

COMMERCIAL SOLUTIONS

POOL, WELLNESS,
FOUNTAINS &
LAGOONS

TECHNOLOGY

'24

FLUIDRA



ASTRALPOOL 

 CEPEX

 ZODIAC

ctx[®]
pro

PISCINE
LAGHETTO

SR Smith

We are a leader in the global pool industry. Our portfolio includes some of the most trusted brands, including Jandy®, AstralPool®, Polaris®, Cepex®, Zodiac®, CTX Professional® and Gre®. We offer our customers an expansive array of products across both the residential and commercial pool and wellness markets, and we have a strong geographical footprint with operations in 47 countries.

We have over 6,500 employees and the necessary resources to accelerate innovation in critical areas like energy-efficiency, robotics and the Internet of Things.

Recently, we introduced our **2020-2026 Environmental, Social and Governance (ESG)** Plan, our Responsibility Blueprint. This plan aims to integrate principles of sustainability, social fairness and responsible corporate governance into the way we conduct our business globally as well as in the local communities we operate within. We are convinced that a company with high ESG standards is a more economically sustainable company and one that is more highly valued by its customers, employees and shareholders.

To reflect our ESG focus, we have made an important change to our company mission, as well as added a new vision.

Our mission, which is what drives us every morning we come to work, is: **To create the perfect pool experience responsibly.**

And our vision, which is the motivating reason why we do what we do every day, is: **To enhance lives through innovative and sustainable solutions that transform the way people enjoy water for recreation and health.**

As part of our ambitious **strategic plan**, we are looking forward with the goal to drive the evolution of the pool and wellness space. This plan puts focus on leveraging our **IT infrastructure** as a competitive advantage; advancing **digital solutions** to make owning and working on a pool easier and more enjoyable; utilizing and commercializing our **data** to generate business opportunities; and simplifying our **internal processes** to make us easier to do business with. By meeting these objectives, we will not only enhance the pool experience for our customers, but also reinforce our dynamic company culture and position our organization for future growth.

Key figures

€2,389MM

Sales

€512MM

EBITDA

+6,500

Employees

47

Countries

+135

Sales
branches

+40

Production
centers

A global powerhouse

40%

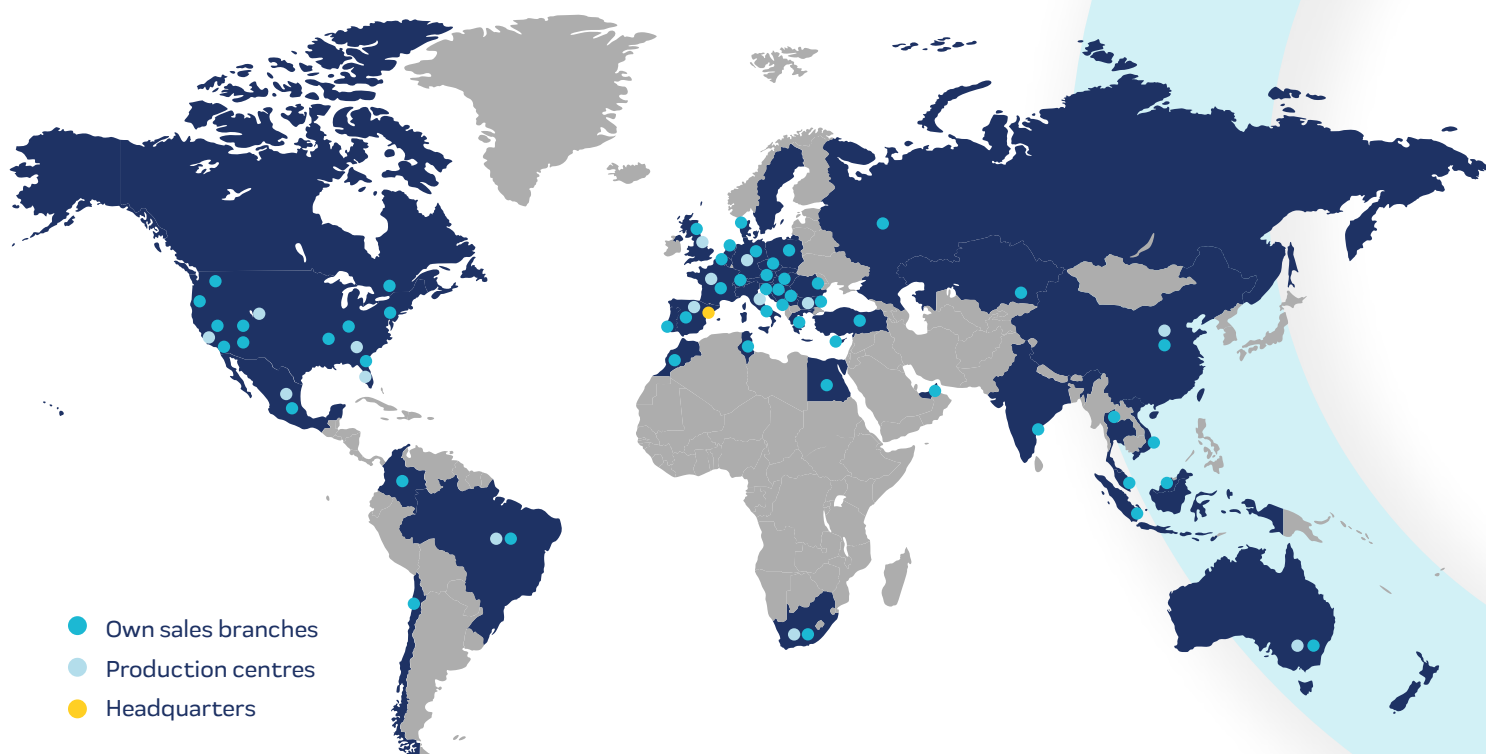
Europe

44%

US

16%

Rest of the world



Highly recognized brands

Jandy

ASTRALPOOL

Polaris

ZODIAC

BARACUDA
THE TRUSTED NAME IN POOL CARE



AQUA
PRODUCTS™

COVER+POOLS

CEPEX

ctx
pro

SR Smith

AQUA
FORTE
PROFESSIONAL WATER PRODUCTS

GRAND EFFECTS
POOL & SPA EQUIPMENT

FLUIDRA
POOL

PISCINE
LAGHETTO

taylor

FLUIDRA



fluidra.com

NEW PRODUCTS 2024



ARAL PLUS C-3000

ASTRALPOOL

- + The pump series ARAL PLUS C-3000 made in cast iron and it specifically designed for public pools. Featuring a standard 2-pole motor design that operates at 3000 rpm, up to 12,5HP.

See page 179



ARAL PLUS C-1500

ASTRALPOOL

- + The ARAL PLUS C-1500 made in cast iron and it specifically designed for public pools. Its four-poles, 1.450rpm, design motor up to 25HP, is meticulously crafted for high-performance, offering large flows optimal for substantial pools while maintaining low level of noise during its operation.

See page 181



EASY SALT NEXT VC

ASTRALPOOL

- + Self-cleaning salt electrolysis systems for application in commercial and public pools up to 190 g. chlorine/hour

See page 233



EXCELLIUM INVERTER 30 - 45

ASTRALPOOL

- + The Excellium Full Inverter heat pump provides maximum energy savings thanks to its Full Inverter technology. It is an ideal solution for large swimming pools in hotels, campsites, sports clubs, public swimming pools, wellness areas, spas and water parks.

See page 364



EXCELLIUM INVERTER 60 - 90 - 130

ASTRALPOOL

- + The Excellium Full Inverter heat pump provides maximum energy savings thanks to its Full Inverter technology. It is an ideal solution for large swimming pools in hotels, campsites, sports clubs, public swimming pools, wellness areas, spas and water parks.

See page 364

NEW PRODUCTS 2024



TRX 8500 IQ - VORTRAX



+ Specifically designed for intensive use in small to medium public pools. Tough, smart and ultra-efficient.

See page 256



TRX 8700 IQ - VORTRAX



+ Specifically designed for intensive use in public pools tough, smart and ultra-efficient.

See page 257

FLUIDRA

Creating **A MORE SUSTAINABLE POOL.**

Fluidra is committed to developing more sustainable products and facilitate maintenance. We have selected a range of equipment to help you create a more sustainable pool experience.



Water
Conservation



Energy
Efficient



Chemical
Reduction



Carbon
Reduction



Circular

A more sustainable pool is one that incorporates key features and equipment to achieve a lower environmental impact, by significantly reducing the consumption of resources (water, energy and consumables), and being viable in terms of maintenance cost and return on the initial investment. From VS Pumps that use less energy to water sanitizers that consume less chemicals to automatic covers that prevent water evaporation and reduce thermal loss, Fluidra offers a wide range of solutions that contribute to a more sustainable pool.

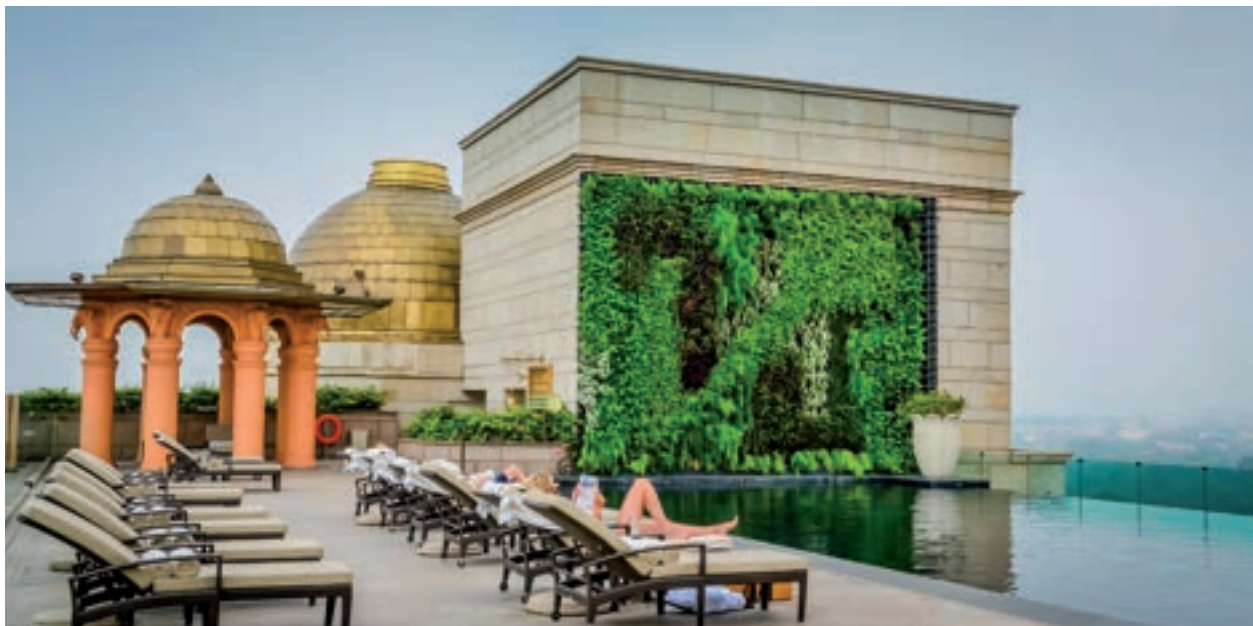
WHAT IS A GREEN CONSTRUCTION AND HOW DOES FLUIDRA CONTRIBUTE?

A green construction is a building that in its design, construction or operation reduces or eliminates negative impacts, and that can have positive impacts on our climate and natural environment. Green buildings preserve precious natural resources and improve our quality of life.

There are a number of features that can make a building green. These include:

- Efficient use of energy, water and other resources
- Use of renewable energy, such as solar energy
- Pollution and waste reduction, and the re-use and recycling of materials
- Good indoor environmental air quality
- Use of materials that are non-toxic, ethical and sustainable
- Consideration of the environment in design, construction and operation
- Consideration of the quality of life of occupants in design, construction and operation
- A design that adapts to a changing environment

Green building certificates and assessment initiatives are a set of rating systems and tools that are used to assess a building or a construction project's performance from a sustainability and environmental perspective.



LEED



BREEAM



LEVEL(S)

Level(s)

Building sustainability
performance

WHAT IS LEED?

LEED (Leadership in Energy and Environmental Design) is an ecology-oriented building certification program run under the auspices of the U.S. Green Building Council (USGBC). It is the most widely used green building rating system in the world.



LEED GREEN BUILDING LEADERSHIP

LEED provides a framework for healthy, efficient, carbon - and cost-saving green buildings. LEED certification is a globally recognized symbol of sustainability achievement and leadership.

HOW LEED WORKS

LEED-certified buildings save money, improve efficiency, lower carbon emissions and create healthier places for people. They are a critical part of addressing climate change and meeting ESG goals, enhancing resilience, and supporting more equitable communities.

To achieve LEED certification, a project earns points by adhering to prerequisites and credits that address carbon, energy, water, waste, transportation, materials, health and indoor environmental quality. Projects go through a verification and review process by GBCI and are awarded points that correspond to a level of LEED certification: Certified (40-49 points), Silver (50-59 points), Gold (60-79 points) and Platinum (80+ points).



Platinum

80+ points earned



Gold

60-79 points earned



Silver

50-59 points earned



Certified

40-49 points earned

LEED CERTIFICATION APPLIED TO FLUIDRA PRODUCTS

Although LEED does not certify products, the correct selection and integration of a product or technology do play a role achieving the desired level of a building's certification. With this aim, Fluidra began to map its products in order to support customers in selecting right product and help earn points toward the desired LEED certification label.

	IPc1	WEp2	WEc2	WEc3	WEc4	EAp1	EAp2	EAp4	EAc1	EAc2	EAc6	MRc2	MRc3	MRc4	EQc2	EQc5	INc1
INTERNET OF POOLS	•			•	•	•	•	•	•	•	•						
POOL SURROUND EQUIPMENT	•	•	•		•												
POOL SHELL EQUIPMENT												•	•	•			
BUILDING SOLUTIONS												•	•	•			
FILTRATION	•			•					•								•
PUMPS	•					•	•	•	•	•	•						
WATER TREATMENT PRODUCTS	•			•													•
WATER TREATMENT EQUIPMENT	•			•	•	•	•	•	•		•						•
CLEANING	•																
POOL LIGHTING	•																
POOL LINING MATERIALS																	
DEHUMIDIFICATION	•				•	•	•		•	•							
SWIMMING POOL HEATING SOLUTIONS	•			•		•	•	•	•	•	•					•	
COMPETITION MATERIALS																	

IPc1 Integrative process

WEp2 Indoor Water Use Reduction

WEc2 Indoor Water Use Reduction

WEc3 Cooling tower water use

WEc4 Water metering

EAp1: Fundamental commissioning and verification

EAp2: Minimum Energy Performance

EAp4: Fundamental Refrigerant Management

EAc1: Enhanced commissioning

EAc2: Optimized Energy Performance

EAc6 Enhanced Refrigerant Management

MRc2 Building product disclosure and optimization - environmental product declarations (EPD)

MRc3 Building product disclosure and optimization - sourcing of raw materials

MRc4 Building product disclosure and optimization - material ingredients

EQc2 Low-emitting materials

EQc5 Thermal comfort

INc1 Innovation

WHAT IS BREEAM?

BREEAM (Building Research Establishment Environmental Assessment Method) is the world's leading science-based suite of validation and certification systems for sustainable built environment.



HOW BREEAM WORKS

Since 1990, BREEAM's third-party certified standards have helped improve asset performance at every stage, from design through construction, to use and refurbishment. Millions of buildings across the world are registered to work towards BREEAM's holistic approach to achieving ESG, health, and net zero goals. It is owned by BRE - a profit-for-purpose organization with over 100 years of building science and research background.

591,000 CERTIFICATES IN 90 COUNTRIES

With more than 591,000 certified buildings in 90 countries, BREEAM promotes a more sustainable construction that translates into greater profitability for those who build, operate and/or maintain buildings, thus reducing their impact on the environment, as well as delivering greater comfort and health for those who live, work or use these buildings.

The scheme evaluates impacts in 10 categories (Management, Health and Well-being, Energy, Transport, Water, Materials, Waste, Ecological Land Use, Pollution, Innovation) and awards a final score after applying an environmental weighting factor that takes into account the relative importance of each impact category. It covers the different phases of design, construction and use of buildings, and has evaluation and certification schemes based on the type and use of a building.

BREEAM provides solutions to deal with the following issues:



Net zero carbon



Whole life performance



Health and social impact



Biodiversity



Circularity and resilience



Disclosures and reporting

BREEAM CERTIFICATION APPLIED TO FLUIDRA PRODUCTS

Although BREEAM does not certify products, the correct selection and integration of a product or technology do play a role in achieving the desired level of a building's certification. With this aim, Fluidra began to map its products in order to support customers in selecting the right product and help earn points toward the desired BREEAM certification label.

	Man 02	Man 04	Man 05	Hea 02	Ene 01	Ene 02	Ene 03	Ene 08	Wat 01	Wat 04	Mat 02	Mat 03	Mat 06	Wst 06	Pol 01	Pol 04
INTERNET OF POOLS	•	•	•		•	•	•	•		•						•
POOL SURROUND EQUIPMENT	•								•		•		•	•		
POOL SHELL EQUIPMENT	•										•		•	•		
BUILDING SOLUTIONS	•										•		•	•		
FILTRATION	•		•					•						•		
PUMPS	•	•	•					•						•		
WATER TREATMENT PRODUCTS																
WATER TREATMENT EQUIPMENT	•							•						•		
CLEANING																
POOL LIGHTING	•	•	•		•		•					•		•		•
POOL LINING MATERIALS	•			•							•		•	•		
DEHUMIDIFICATION	•	•	•	•	•							•		•	•	
SWIMMING POOL HEATING SOLUTIONS	•	•	•		•						•		•	•	•	
COMPETITION MATERIALS																

Man 02: Life cycle cost and service life planning

Man 04: Commissioning and handover

Man 05: Aftercare

Hea 02: Indoor air quality

Ene 01: Reduction of energy use and carbon emissions

Ene 02: Energy monitoring

Ene 03: External lighting

Ene 08: Energy-efficient equipment

Wat 01: Water consumption

Wat 04: Water-efficient equipment

Mat 02: Environmental impacts from construction products – Environmental Product Declarations (EPD)

Mat 03: Responsible sourcing of construction products

Mat 06: Material efficiency

Wst 06: Design for disassembly and adaptability

Pol 01: Impact of refrigerants

Pol 04: Reduction of night-time pollution

WHAT IS LEVEL(S)?

Level(s) is the European framework for sustainable buildings. It provides a common language for assessing and reporting on the sustainability performance of buildings. It is a simple entry point for applying circular economy principles in our built environment.



LEVEL(S) FRAMEWORK

Level(s) offers an extensively tested system for measuring and supporting improvements, from design to end of life. It can be applied to residential buildings or office LEED frameworks. It is a globally recognized symbol of sustainability achievement and leadership.

HOW LEVEL(S) WORKS

Level(s) uses core sustainability indicators to measure carbon, materials, water, health, comfort and climate change impacts throughout a building's full life cycle. It is a flexible solution for identifying sustainability hotspots and for future-proofing your project or portfolio. By using Level(s) you are contributing to EU policy goals to strengthen the sustainability of Europe's buildings, which are responsible for:

- 1/2 of all extracted materials
- 1/2 of total energy consumption
- 1/3 of water consumption
- 1/3 of waste generation.

Level(s) is open source and freely available to all.



Carbon emissions



Materials



Water use



Health

LEVEL(S) FRAMEWORK APPLIED TO FLUIDRA PRODUCTS

Although LEVEL (S) does not certify products, the correct selection and integration of a product or technology do play a role in achieving the desired level of a building's certification. With this aim, Fluidra began to map its products in order to support customers in selecting the right product and help earn points toward the desired LEVEL(S) framework label.

	1.1	1.2	2.1	2.2	2.4	3.1	4.1	4.2	6.1
INTERNET OF POOLS	•	•				•			•
POOL SURROUND EQUIPMENT		•	•	•	•	•			•
POOL SHELL EQUIPMENT		•	•	•	•				•
BUILDING SOLUTIONS		•	•	•	•				•
FILTRATION	•	•			•				•
PUMPS	•	•			•				•
WATER TREATMENT PRODUCTS									
WATER TREATMENT EQUIPMENT	•	•			•	•			•
CLEANING									
POOL LIGHTING	•	•	•	•	•				•
POOL LINING MATERIALS		•	•	•	•		•		•
DEHUMIDIFICATION	•	•	•	•	•	•	•	•	•
SWIMMING POOL HEATING SOLUTIONS	•	•	•	•	•			•	•
COMPETITION MATERIALS									

1.1: Use stage energy performance

1.2: Life cycle global warming potential

2.1 Bill of quantities, materials and lifespans

2.2 Construction and demolition waste and materials

2.4 Design for deconstruction, reuse and recycling

3.1 Use stage water consumption

4.1 Indoor air quality

4.2 Time outside of thermal comfort range

6.1 Life cycle costs

Commercial Pool, Wellness, Fountains & Lagoons

Fluidra develops innovative, highly technical and sustainable water products & solutions designed to create unique facilities for the “Commercial Pool” category.

+ Our team of experts offers 360° solutions that ensure a reliable, efficient and durable installation, designed to deliver optimal performance and a perfect user experience responsibly.

SOLUTIONS



POOL



WELLNESS



FOUNTAINS

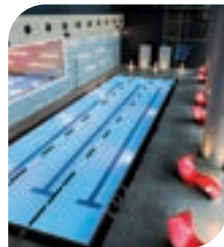


LAKES & LAGOONS

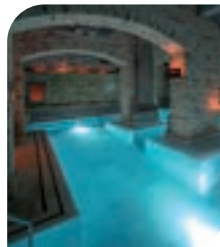
SECTORS



COMPETITION
EVENTS



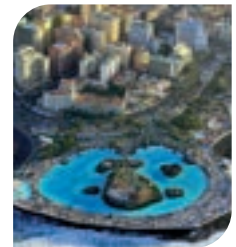
SPORTS CLUB



HOSPITALITY



PUBLIC
ADMINISTRATION



REAL ESTATE &
OTHER

Why choose Fluidra in your Project?



ALL-ROUND POOL, WELLNESS & LAGOONS PARTNER



INNOVATION & TECHNOLOGY



ADDED-VALUE SOLUTIONS



EXPERTISE



PRODUCTS MANUFACTURED BY FLUIDRA

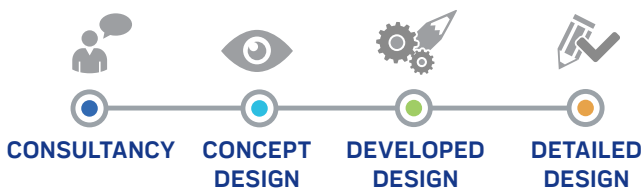
OUR BUSINESS MODEL

+ **Our extensive experience in the development of innovative products and services with prestigious brands is rooted in a comprehensive and efficient business model that adapts to our different regions and markets.**

+ Fluidra is a leader in the aquatic facilities sector. We have a clear mission: to create the perfect pool & wellness experience responsibly.

DESIGN

Design phases:



We have a team of experts with extensive experience in the conception and design of aquatic projects working hand in hand with our clients to imagine your project together right from the start. We use some of the most advanced design tools and technologies throughout this process, including CFD (Computational Fluid Dynamics), Fluidra Live Virtual Reality (VR), and BIM (Building Information Modelling).

PROJECT MANAGEMENT

Project management is the process of planning, managing and leading a team's work and resources in order to achieve shared goals and successfully meet the project's objectives.

Fluidra has a team of on-site project managers specialized in top-level aquatic projects. They are involved from the beginning of the design phase until the delivery of the project to ensure that work is executed correctly, keeping to the schedule and in line with the client's wishes.

TIME · QUALITY · COST



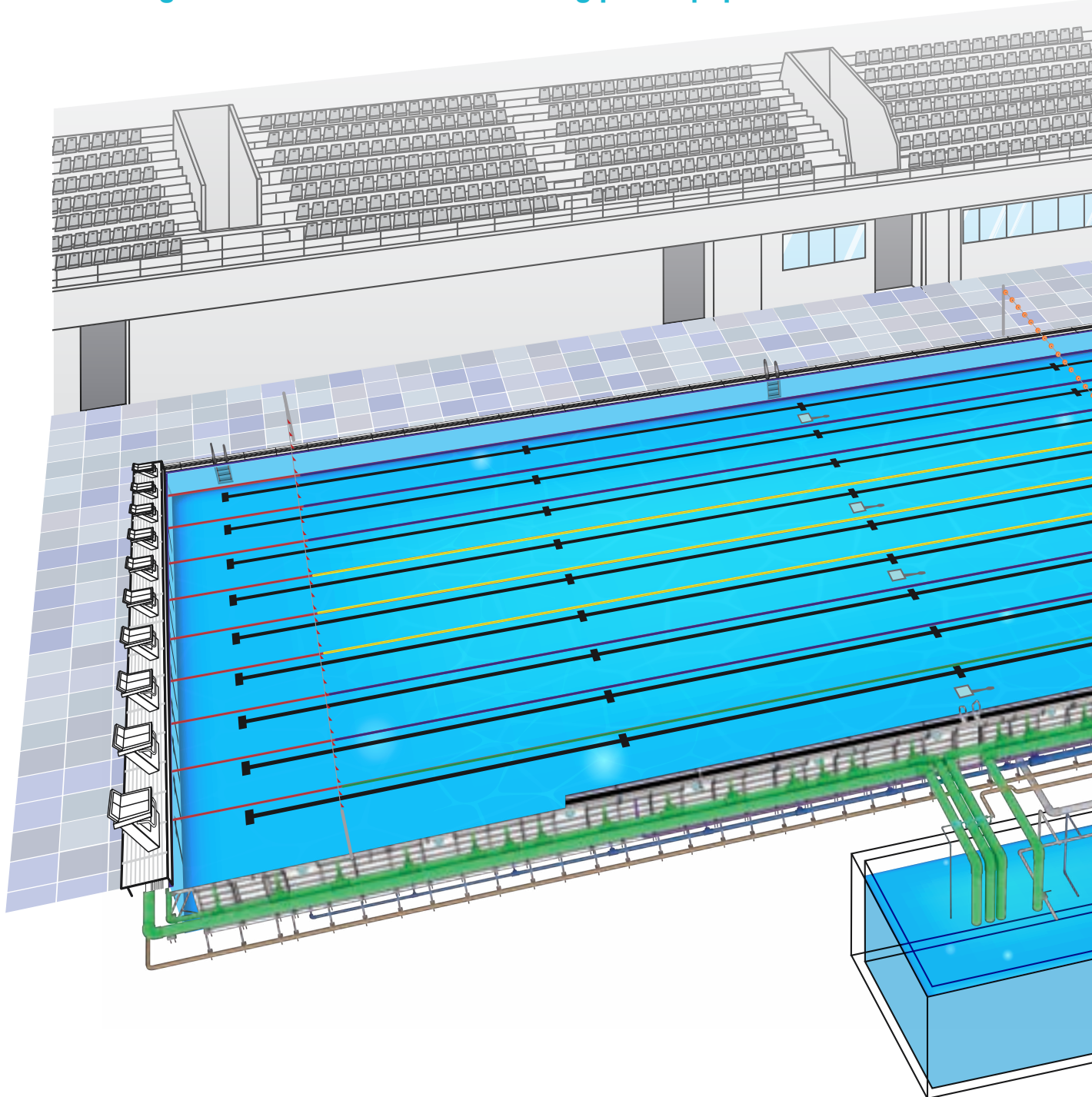
R&D+i

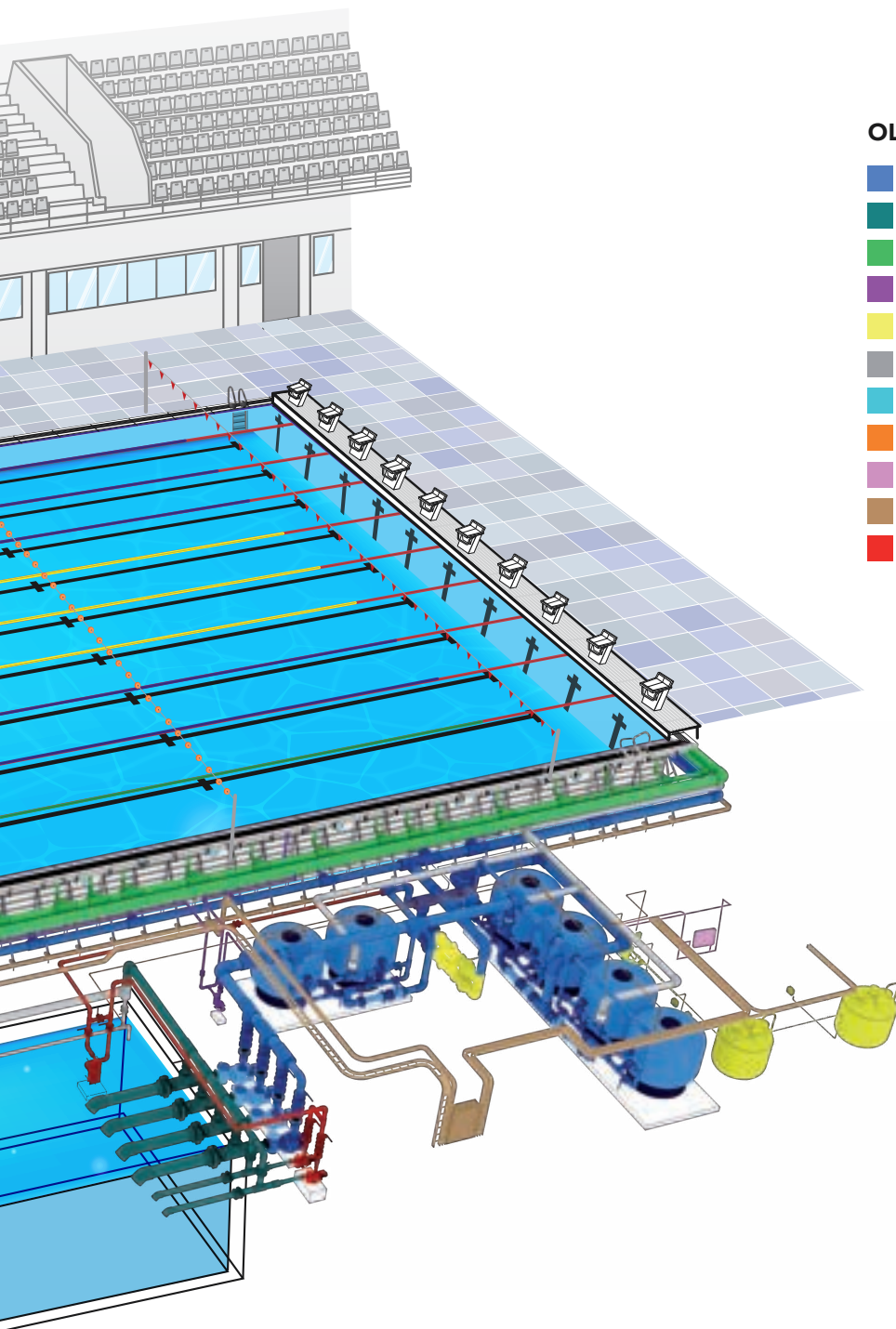
Research, Development and Innovation (R+D+i) is a fundamental part of Fluidra's DNA and a pillar of the company's culture and growth. It has more than 1,400 patents worldwide.

We focus the innovation in the following goal areas:



General diagram of installation of swimming pool equipment





OLYMPIC SWIMMING POOL LEGEND

- FILTRATION SYSTEM
- OUTLET SYSTEM
- OVERFLOW SYSTEM
- CLEAN OUT SYSTEM
- DISINFECTION SYSTEM
- SEWER SYSTEM
- WATERSUPPLY SYSTEM
- RELIEF SYSTEM
- ANALYSIS SYSTEM
- ELECTRICAL SYSTEM
- HEATING SYSTEM

> PICTOGRAMS













Finding your way around the catalogue

	2024 new products		Energy efficient products		Chemical reduction products		World Aquatics
---	-------------------	---	---------------------------	---	-----------------------------	---	----------------


ASTRALPOOL

	3-year warranty		Best in class		Best value for money		Professional advice and/or installation recommended*
	Fluidra Connect compatible		PoolStation compatible		Recommended for public pools		Made in Europe
	Until end of stocks		Heat pump with full inverter technology		Complies with Standards EN 16582-1 and EN 16713-2		Includes R410A gas
	Includes R32 gas		Seawater-proof	* Product recommended for sale in physical stores due to the product's specialized and complex nature and/or its installation.			

ctx[®] pro

	Liquid		Gel		Buoy format		Monodosis
	Granulated		Powder		20 g Pill		30 g Pill
	100 g Tablet		250 g Tablet		Cartridge		All types of pools

SR[®]Smith

	Resin Transfer Molding*		Salt pool friendly
---	-------------------------	---	--------------------

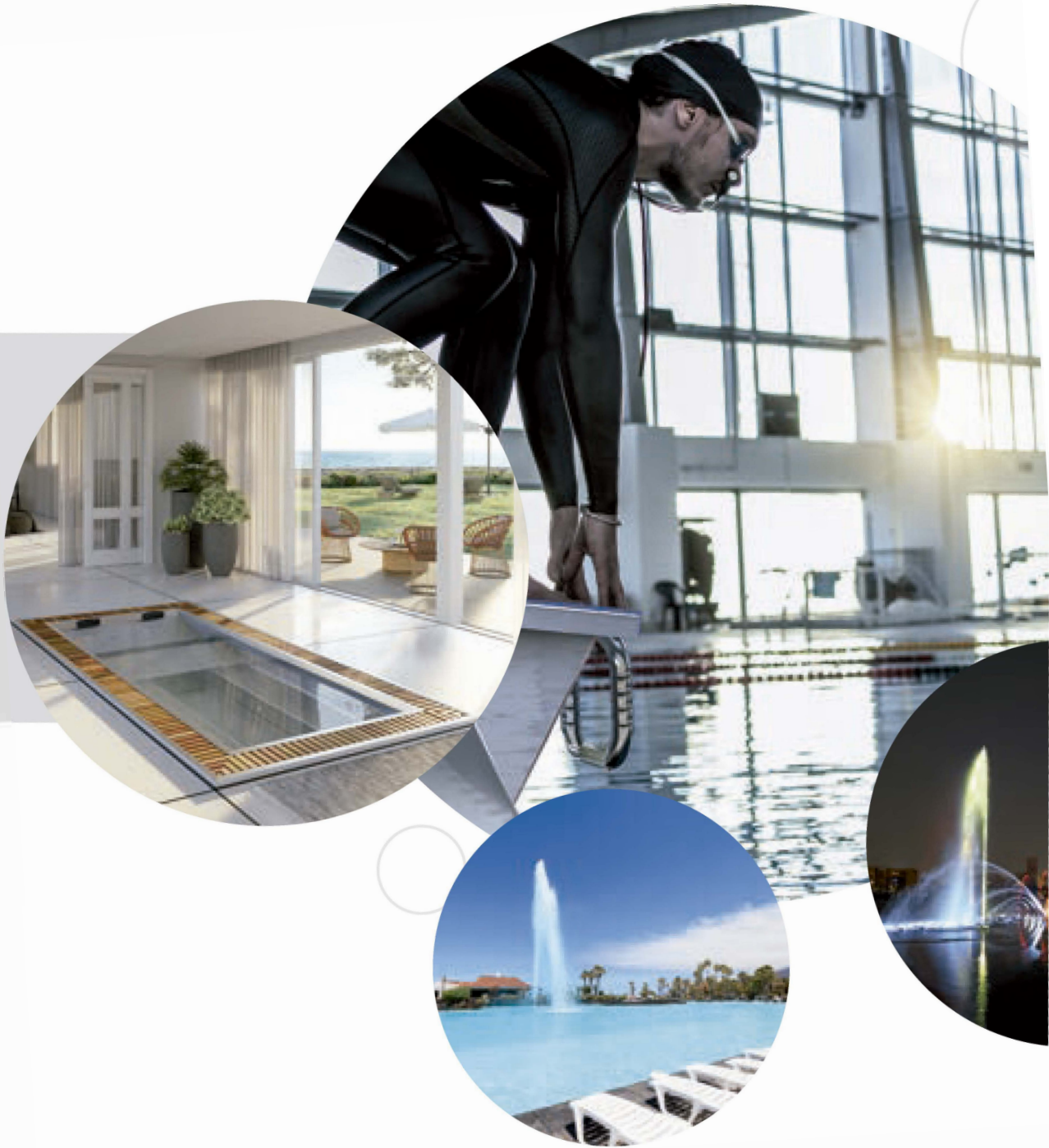
* RTM is an advanced manufacturing process. The RTM process creates a composite material that has a high strength to weight ratio - although lightweight, strong and durable. RTM products are salt pool friendly and UV resistant to protect colors from fading.

> PICTOGRAMS

Finding your way around the catalogue



 OPTIONAL KIT TECHNICAL ROOM	Can be installed in a technical room	 PATENTED LIFT SYSTEM	Easy to remove from the water using the Lift System that expels a powerful jet of water contained in the cleaner.	 PROFESSIONAL ADVICE RECOMMENDED	Professional advice and/or installation recommended*
 Ti ²² TITANE INSIDE	Contains a titanium element	 SWIVEL	Prevents cable tangling	 BIO POOL	Product specific for natural pools ("bio pools")
 HYGRO CONTROL	Control unit available for Hygro Control	 PUSH'N'GO™	Easy access to the filter with Push'nGo™	 LOW SALT	Low salt technology chlorinator
 UNCONDITIONAL WARRANTY UNCONDITIONAL	Whatever the problem, the equipment is repaired or exchanged during the guarantee period	 PATENTED CYCLONE SUCTION	Product fitted with cyclone suction technology.	 4-WHEEL DRIVE	4-Wheel Drive Cleaner
 UPGRADABLE SYSTEM	Additional options can be added to the equipment	 NF HEAT PUMPS	NF-certified guarantees quality and safety of certified products and services	 COVER MODE	Pool cover contact to adapt disinfection when pool is closed
 EASY INSTALLATION	Easy installation of equipment	 REVERSIBLE	Option allowing the heat pump to cool the water in the pool	 HEAT ONLY	Heat function only
 EASY RETROFIT	Easy installation and no need to alter piping	 iAquaLink COMPATIBLE	Product that could be wired to a connected control device to be remotely managed using iAquaLink™ app	 MIN. AIR TEMP	Minimum Air temperature required for optimal performance
 MagnaPool ECOSYSTEM	Compatible with the MagnaPool™ system	 iAquaLink CONTROL	Product with built-in connectivity that can be remotely managed using iAquaLink™ app	 WATER TEMP SENSOR	Water temperature reading
 ALL TYPE OF LININGS	Compatible whit all surfaces	 ENERGY SAVING	Product with low electricity consumption	 ALL TYPES OF SPAS	Compatible with all type of spas
 ABOVE GROUND POOLS	Compatible with above-ground pools		All-in-one control : product embedding both water treatment and pool equipment management	 LOW NOISE LEVEL	Product with very silent operation
 ALL TYPES OF SWIMMING POOLS	Compatible with all types of pools	 Sensor Nav System	Optimization of movements and cleaning time depending on the configuration of the pool	 QUICK FIX	Easy and quick-fix chlorinator cell
 FULL INVERTER	Heatpump with Full Inverter technology	* Product recommended for sale in physical stores due to the product's specialized and complex nature and/or its installation.			





POOLS WELLNESS

21

395



POOLS

FLUIDRA



ASTRALPOOL 

 **CEPEX**

 **ZODIAC**

ctx
pro

PISCINE
L'AGHETTO

SR Smith

POOLS



GBK Aquatic Center for 2018 Asian Games



OUR MISSION IS TO CREATE THE PERFECT POOL EXPERIENCE RESPONSIBLY

Fluidra, with more than 50 years of experience, is a global leader in developing innovative, highly technical and sustainable pool solutions designed to create unique facilities for the "Commercial Pool" category with its own manufactured equipment.

Our team of experts offers 360° solutions that ensure a reliable, efficient and durable installation, designed to deliver optimal performance and a perfect user experience responsibly.

Involved at every stage of a project, from the first sketches to its start-up, working alongside our customers as well as with architects, public authorities, developers and other stakeholders for many sectors of specialization: **competition events, sport clubs, hospitality, real estate, public spaces**, etc.



INTERNET OF POOLS	27
BUILDING SOLUTIONS	97
FILTRATION	121
PUMPS	169
WATER TREATMENT EQUIPMENT	227
CLEANING	255
DEHUMIDIFICATION	333
HEATING & COOLING	353
COMPETITION MATERIALS	375



POOLS

INTERNET OF POOLS

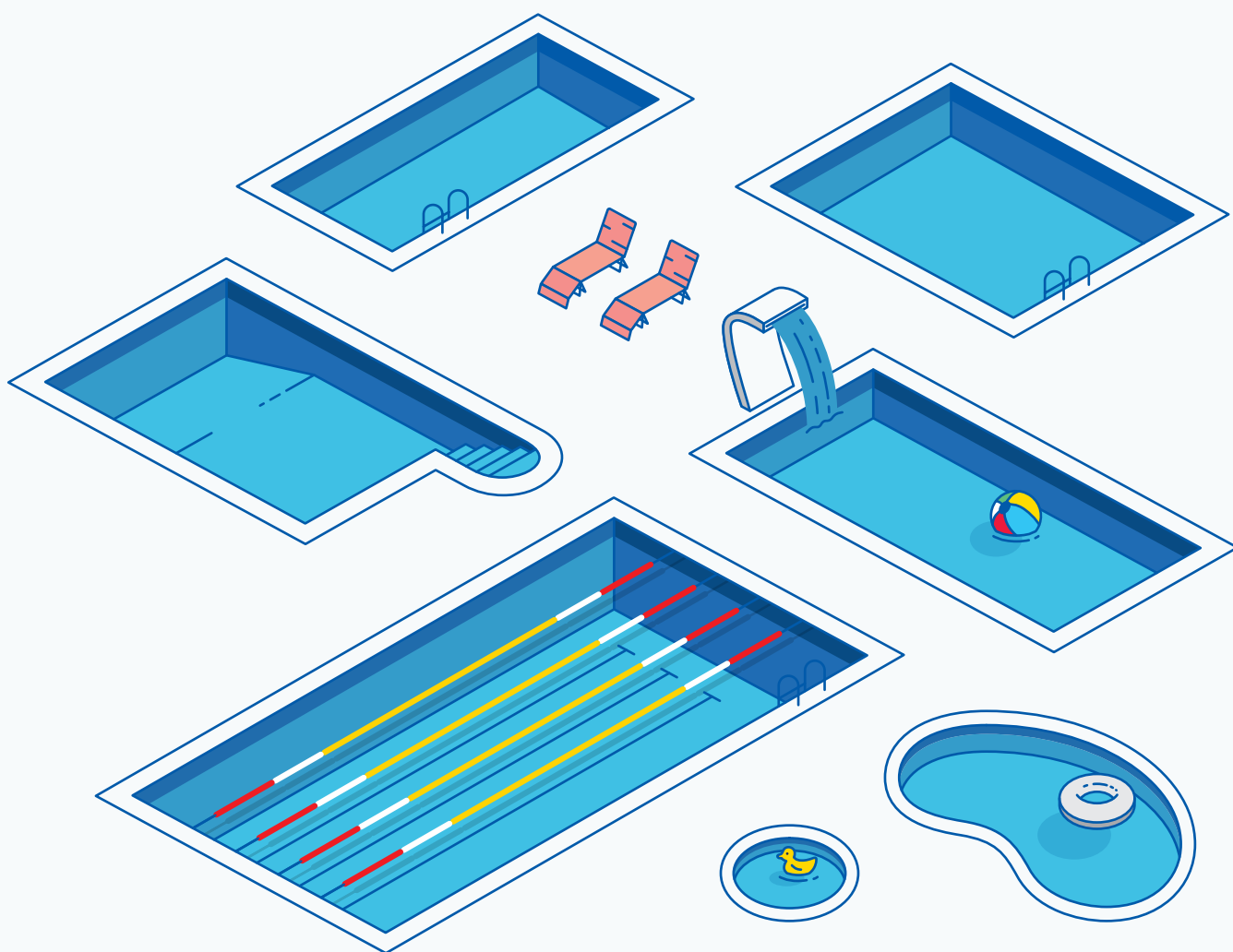
32 CONNECT & GO COMMERCIAL PRODUCTS

- 32 Connect & Go Commercial
EASY
- 32 Connect & Go Commercial
DIRECT
- 33 Connect & Go Commercial
SMART
- 33 Connect & Go VS
CONTROL PUMP CABINET
- 33 Connect & Go Commercial
CONTROL PUMP CABINET

35 FLUIDRA CONNECT ACCESSORIES

- 35 Fluidra Connect accessories

Smart Commercial Pools



Connectivity for automation and monitoring
all types of commercial pools



24/7 Water Quality

Water quality controlled and monitored thanks to the pool equipments synchronized all together in a smart way. Alarm system for real-time corrective maintenance.

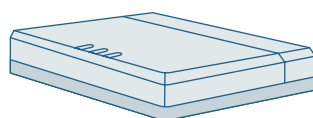


Energy Savings

With a combination of connected products and data assisted preventative maintenance actions to reach optimum energy efficiency.

Smart Pool Assistants for all type of pools

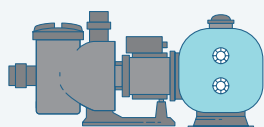
Control, diagnose and manage your pool through the fluidraconnect.com platform



Through the Connect Box from your Connect & Go you will be able to control all types of products, compatible NN as well as the standard ones.

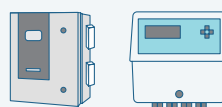


Filtration and recirculation



Set-up and control of pumps for energy-efficient programs and optimum filter cleanliness status.

Water treatment



Integral water treatment strategy between all the pool systems. Recording all the measures as per local legislation requirements.

Lighting



Synchronization with other equipments to generate smart ambient.

Surround & Garden Equipment



Control all the pool and garden accessories easily: Covers, fountains, IP Cams, even irrigation systems.

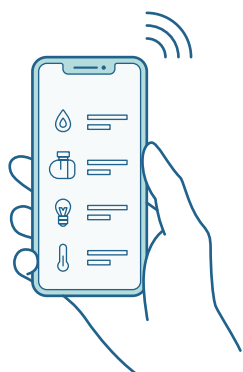
Heating, Cooling and Dehumidification



Smart heating strategy for energy optimization together with the filtration and the water treatment equipment.

Control the pools under your supervision from anyplace, whenever you want with our pool assistants platform Fluidra Connect.

www.fluidraconnect.com



FLUIDRA CONNECT AUTOMATION AND NN PRODUCTS for Commercial Pools

Fluidra Connect is a smart automation solution that allows both users and pool professionals to control pools remotely.

Different levels of remote control are offered depending on user profile:



▪ **End user:**

- User friendly NN app to remotely monitor and control the pool



▪ **Pool professional:**

- Intuitive and versatile NN PRO app to set up each pool and allows to monitor all installed pool sites.
- Advanced remote control of all installed pool sites using the dedicated pool professional website www.fluidraconnect.com.





THE FUTURE
IS HERE

All product platforms below are NN compatible to allow a smart control & exchange with Fluidra Connect and associated smartphone apps and website.

User(s) can see more operating data and be able to access to more settings compared to standard products.

WATER TREATMENT EQUIPMENT

					
	Salt Water Chlorinators and Hybrid systems				
	Freepool²	Easy Salt Next VC	Pro-Chlore Salt	Nature Salt Plus	Neolysis
More info on page	228	233	230	231	234

				
	Automatic Regulation and Control Equipment			Dosing Pumps
	Guardian Pool	AP PR-200 Compatible Electrolysis	Controller	Acqua Dos pH/ORP
More info on page	250	248	251	242

POOL LIGHTING

RGB LED lighting becomes "NN" with Lumiplus Modbus and modulator (57435)



	LED Lighting
	RGB lights
More info on page	273

DEHUMIDIFICATION



	Dehumidification
	Airpool
More info on page	346

HEATING



	Heat Pumps
	ProHeat II
More info on page	360

FLUIDRA
CONNECT
INTERNET OF POOLS



THE FUTURE
IS HERE



FLUIDRA
CONNECT
INTERNET OF POOLS



CONNECT & GO COMMERCIAL PRODUCTS

- + Convenience & easy installation
- + A range of Connect & Go power center cabinets is offered to suit most commercial pools configurations.
- + Connect & Go Commercial power center cabinets contain all electrical protections and switches to manage pool equipment. Everything is pre-wired to ease installation process so it is the perfect solution for new pools, while also being adapted to retrofit situation (simply replace the whole cabinet with Connect & Go Commercial).
- + Fluidra Connect is a smart solution that enables end users and pool dealers to control a pool remotely. This makes it possible for pool dealers to check out, manage and control all the pools they have installed from a PC.

CONNECT & GO COMMERCIAL

EASY



Control and power devices for up to 3 pump sets with direct start and control devices for balancing tank. The panel includes control devices for lightning.

- 3 Filtration Pumps (3-phase).
- 1 Lighting Control.
- Balancing tanks minimum level, filling level and maximum level.
- Transformer 24VAC filling valve.
- 3 Control pump switches M-0-A.
- 1 Lighting switch M-0-A.
- 1 Filling switch 0-A.
- 1 Digital input to monitor the filtration status and 1 digital inputs to monitor the motor circuit breakers.
- 2 Digital inputs to monitor maximum and minimum balancing tank level.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Easy (2 HP)	72272	1	-	-
Easy (3 HP)	72271	1	-	-

CONNECT & GO COMMERCIAL

DIRECT



Control and power devices for up to 3 pump sets with direct start and control devices for balancing tank. The panel includes analog inputs, control of motorized valves in suction manifold and control devices for lightning.

- 3 Filtration Pumps (3-phase).
- 1 Lighting Control.
- 1 Aux. Output (max 10A).
- Balancing tanks minimum level, filling level and maximum level.
- Transformer 24VAC filling valve.
- 3 Control valves inlet pumps.
- 3 Control pump switches M-0-A.
- 1 Lighting switch M-0-A.
- 1 Filling switch 0-A.
- Real energy / Reactive energy / Apparent energy meter.
- 4 Analog inputs (4-20mA).
- 3 Digital inputs to monitor filtration pump status and 3 digital inputs to monitor the motor circuit breakers.
- 3 Digital inputs to monitor end of stroke.
- 2 Digital inputs to monitor maximum and minimum balancing tank level and 2 digital inputs for water-meter by pulses.
- 3 Available digital inputs and 4 available digital outputs (max 2A).

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Direct (1 HP)	72720	1	-	-
Direct (2 HP)	72718	1	-	-
Direct (3 HP)	72719	1	-	-

CONNECT & GO COMMERCIAL PRODUCTS

FLUIDRA
CONNECT
INTERNET OF POOLS



CONNECT & GO COMMERCIAL

SMART

ASTRALPOOL

Control and power devices for up to 3 pump sets with soft start and control devices for balancing tank. The panel includes analog inputs, control of motorized valves in suction manifold and control devices for lightning.

- 3 Filtration Pumps (3-phase).
- 1 Lighting Control.
- 1 Aux. Output (max 10A).
- Balancing tank minimum level.
- Balancing tank filling level.
- Balancing tank maximum level.
- Transformer 24VAC filling valve.
- 3 Control valves inlet pumps.
- 3 Control pump switches M-0-A.
- 1 Lighting switch M-0-A.
- 1 Filling switch 0-A.
- Real energy / Reactive energy / Apparent energy meter.
- 4 Analog inputs (4-20mA).
- 3 Digital inputs to monitor filtration pump status.
- 3 Digital inputs to monitor the motor circuit breakers.
- 3 Digital inputs to monitor end of stroke.
- 2 Digital inputs to monitor maximum and minimum balancing tank level.
- 2 Digital inputs for water-meter by pulses.
- 3 Available digital inputs and 4 Available digital outputs (max 2A).

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Smart (3 HP)	72713	1	-	-
Smart (5.5 HP)	72714	1	-	-
Smart (7.5 HP)	72715	1	-	-
Smart (10 HP)	72716	1	-	-
Smart (12 HP)	72717	1	-	-

FLUIDRA
CONNECT
INTERNET OF POOLS



CONNECT & GO VS

CONTROL PUMP CABINET

ASTRALPOOL

The Connect & Go VS pre-wired cabinet is a Plug & Play solution conceived as the control center of the pool allowing to easily vary the speed of the filtration pump.

- Power range from 3HP to 10HP.
- Pump control modes:
 - Manual (with button switch).
 - Automatic (Automation and programming times and speed through Fluidra Connect).
- Superimmunized residual current circuit breaker.
- Forced ventilation system.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Connect & Go Commercial - VS (3HP III 400V)	75491	1	-	-
Connect & Go Commercial - VS (5.5HP III 400V)	75492	1	-	-
Connect & Go Commercial - VS (7.5HP III 400V)	75493	1	-	-
Connect & Go Commercial - VS (10HP III 400V)	75494	1	-	-

FLUIDRA
CONNECT
INTERNET OF POOLS



CONNECT & GO COMMERCIAL

CONTROL PUMP CABINET

ASTRALPOOL

Control pump devices for commercial pools.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Control pump (up to 4 pumps)	70745	1	-	-
Control pump (up to 8 pumps)	70746	1	-	-

FLUIDRA CONNECT®

CONNECT & GO

**SMART
POOL**
Connected
hubs

Installation Diagram



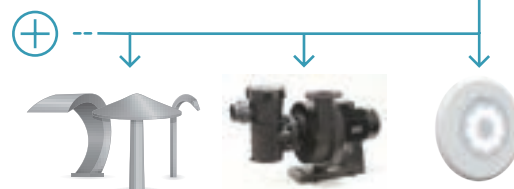
CONNECT & GO
POWER CENTER CABINET



Smart control of "NN Thing" compatible products
(in addition to standard control: bilateral communication,
advanced status and messages, operational mode selection...)

GPIO*

Device with inputs &
outputs provided with
Connect & Go power
center cabinet to manage
standard products



Standard control of any standard product
(on / off / scheduling / status)



Did you know?

Fluidra provides more than 100 products
able to offer a smart control and exchange
with Connect & Go pool automation.
Simply look for the "NN Thing" icon
in the product pages.

FLUIDRA CONNECT ACCESSORIES

FLUIDRA CONNECT ACCESSORIES

ASTRALPOOL 

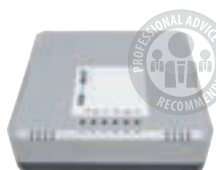
**FLUIDRA
CONNECT**
INTERNET OF POOLS


	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Connect box	66671	1	-	-
GPIO	62368	1	-	-
230 VAC opto-isolator	66395	1	-	-
24 VAC opto-isolator	66396	1	-	-
Switch - 5 ports	66390*	1	-	-
Power Line Communications - 2 ports	66391*	1	-	-
Indoor Wi-Fi access point	66392*	1	-	-
Outdoor router	66393*	1	-	-
Portable router	66394*	1	-	-
3G router (requires SIM card)	67297*	1	-	-
3G router for DIN rail (requires SIM card)	67298*	1	-	-
SEM1 single-phase meter with transformer	68441	1	-	-
SEM3 single-phase meter with 3 transformers	68442	1	-	-
Bridge Modbus TCP/RTU	68168	1	-	-
Modbus temperature sensor kit	69682	1	-	-

* Available while stock lasts.



66395 - 66396



66671



62368



66392



66393



66394



67297



68441-68442



68168



POOLS

BUILDING SOLUTIONS

98 INOX POOL

98 Inoxpool

104 SKYPOOL COMMERCIAL POOLS

104 SkyPool

EPS & INOX POOL

INOXPOOL

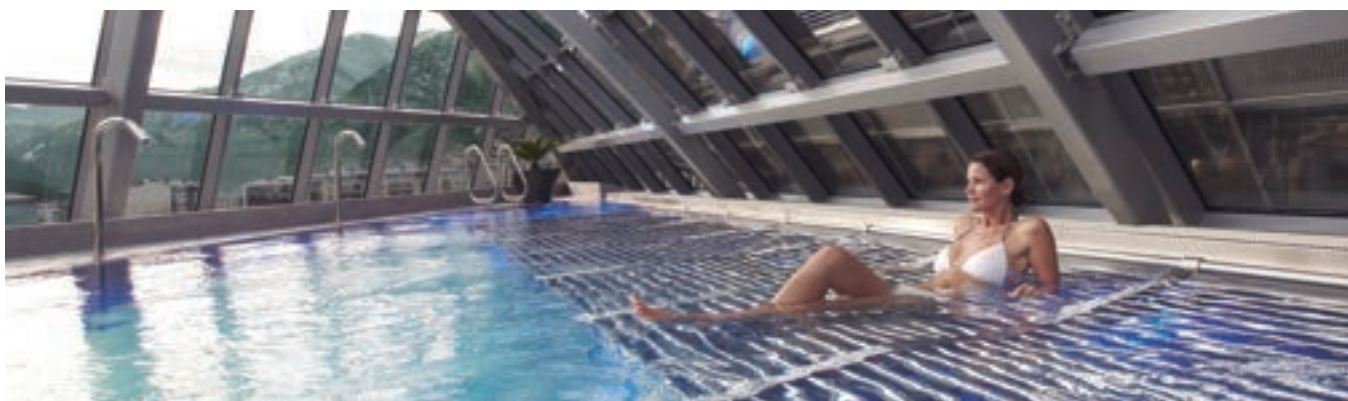
ASTRALPOOL 

- + Constructed in one piece of AISI-316L satin stainless steel. Thickness of 2 mm. With overflow channel. Non-slip floor. Hydraulic pre-installation included. Ready to connect. Easy installation, without building work.
- + Total security and quality. In order to satisfy all your needs we have designed these models of stainless steel pools for those looking for an elegant and sober lifestyle. The quality of their materials and finishes set them apart. They are a gift for the senses!
- + 2 Different models:

COMFORT



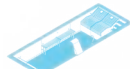
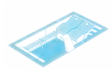
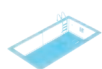
SPORT



INOXPOOL - Models



MODEL COMPARISON



	5 x 3 x 1.2 m	7 x 3 x 1.2 m		9 x 3 x 1.2 m		12 x 3 x 1.2 m	
MODELS	Sport	Comfort	Sport	Comfort	Sport	Comfort	Sport
Code	71503	71509	71510	71516	71517	71523	71524

General specifications

Internal dimensions (m)	5 x 2.85 x 1.2	7 x 2.85 x 1.2		8.84 x 2.85 x 1.2		11.84 x 2.85 x 1.2	
External dimensions (m)	5.7 x 3.6 x 1.3	7.7 x 3.6 x 1.3		9.6 x 3.6 x 1.3		12.6 x 3.6 x 1.3	
Water capacity (m³)	18	24		31		41	
Empty weight / Full weight (kg)	2300 / 20300	3300 / 27300	2550 / 26550	3700 / 34700	3050 / 34050	4500 / 45500	3850 / 44850

Characteristics

Skimmers	-	-	-	-	-	-	-
Overflow suction	2	2	2	3	3	4	4
Return inlet	3	4	3	5	4	6	5
Bottom cleaner nozzle	1	1	1	1	1	2	2
Main drains	2	2	2	2	2	2	2
Projectors	2	2	2	2	2	3	3

Accessories

Ladder (3 steps)	•	-	•	-	•	-	•
Steps	-	•	-	•	-	•	-
Hydromassage bench	-	•	-	•	-	•	-
Hydromassage cascade	-	•	-	•	-	•	-
Hydromassage water jet	-	•	-	•	-	•	-
Hydromassage beds	-	•	-	•	-	•	-
Countercurrent	•	-	•	-	•	-	•
Cover	-	•	-	•	-	•	-

Recommended equipment

Hydraulic button and timer	-	45218 + 35761	-	45218 + 35761	-	45218 + 35761	-
Blower pump for hydro beds	-	31091	-	31091	-	31091	-
Blower pump for hydro bank	-	35388	-	35388	-	35388	-

EPS & INOX POOL

INOXPOOL - Installation



PREPARATION OF THE GROUND



The base the spa or pool must be prepared.

TRANSFER TO LOCATION



Manufactured in one piece, your transfer must be made by an authorized mode of transport.



The transfer must be made in a reinforced trailer or truck so that it arrives at its destination in perfect condition.

TRANSFER BY CRANE



Facilities must have easy access (outside) to be able to install the crane that will help to unload the Spa or Pool and put it in place.

UNLOADING THE POOL



The installation must be checked and secured so that everything is in perfect order.

LEVELING AND ADJUSTMENTS



Assembling the connections and putting it into operation is the last step before you can enjoy a relaxing and dreamed of space of well-being.

Ask for your new **Spa & Pool INOX SOLUTION** catalogue by AstralPool

SPA & POOL INOX SOLUTION



SKYPOOL



PANEL POOLS, THE VERY LATEST TECHNOLOGY THAT ENSURES PRECISION AND ACCURACY

The easiest, quickest and surest way of building any required residential and commercial pool. SkyPool is AstralPool's range of prefabricated panel pools that can be adapted to fit existing infrastructures or new ones.



The use of these totally prefabricated panels that are easy to fasten and assemble together means that an in-ground or above-ground pool can be built in record time.

The steel panels undergo hot-dip galvanization in a bath of zinc, which gives them excellent protection against rusting so that they last longer and their safety is guaranteed throughout their service life.

SKYPOOL - Experts in end-to-end solutions

Thanks to SkyPool, AstralPool is the undisputed world leader in prefabricated pools made of galvanized steel panels. Our flexibility and drive, in addition to the way we adapt to the needs and regulations of each market have led us to build pools in more than 60 countries, which has made us one of the companies with the greatest international outreach in the sector.

Award-winning competition pools.

As leaders in this sector, we have longstanding experience in the development of solutions for the world of competition. We make pools of any size including the required by World Aquatics standards and regulations.

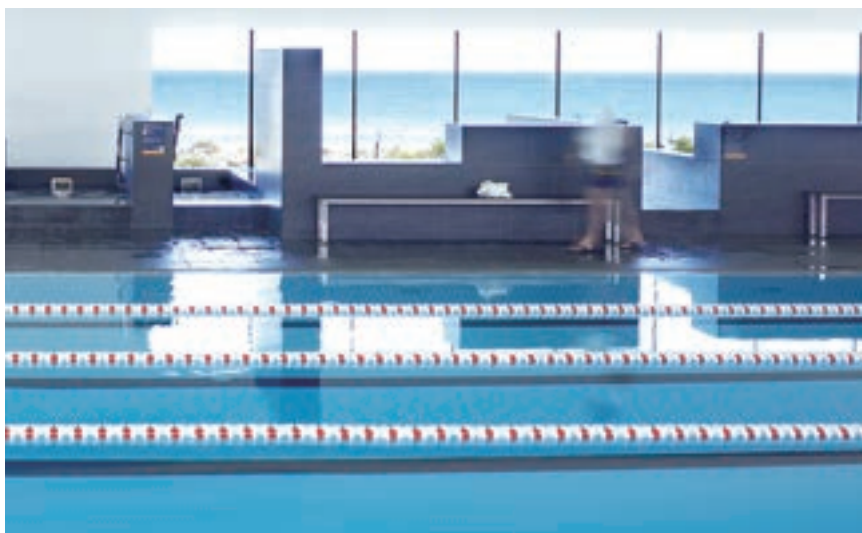
End-to-end solutions.

AstralPool has a multidisciplinary team able to give you support in the development of your project from beginning to end, as well as the degree of experience and know-how expected of a world leader:

- Project analysis.
- Preliminary design study and quote.
- Advice and water treatment.
- Manufacture.
- Worksite management.
- Installation of complete solutions.



World Aquatics



SKYPOOL COMMERCIAL POOLS

SKYPOOL - The best choice for many reasons

**Quick**

The use of completed prefabricated components together with the easy assembly system considerably reduces the time required to build a pool.

**Versatile**

This system can be used for any design, whatever a pool's shape.

**Long-lasting**

New design and manufacturing systems are used to obtain maximum quality, functionality and durability of all pool components. The metal structure has a 20-year warranty.

**Lightweight**

Choose a place and we'll build a pool there! The advantage of the lightweight structure that is easily adaptable is that pools can be built even in awkward conditions. Small spaces, rooftops, stadiums, etc.

**Inexpensive**

As no complex infrastructure has to be built, a high performance pool can be obtained at a lower cost.

**Reliable**

The use of the very best components, together with a totally safe construction system, delivers the reliability required in this type of facility.

**Sustainable**

All components can be recycled, are non-contaminating and are manufactured using processes with a low environmental impact.

SKYPOOL - Advantages

**1. Technology.**

Thanks to the technology used in the construction of SkyPool panels, they are fully compliant with World Aquatics regulations. There is an extremely easy and efficient system for adjusting the level and angles of a pool. The access through the system's manholes enables all adjustment to be made.

2. Watertight. No leaks.

There are no cracks. The perfect fit of the assembled SkyPool panels covered by the liner ensure the pool shell is completely watertight. Furthermore, the system has been designed to withstand land movements and subsidence, in addition to the pressure exerted when a pool is emptied or filled.

3. High resistance finishes.

The PVC-P reinforced liner used by SkyPool is watertight, which gives these pools a high level of safety, protection, robustness and durability. Furthermore, it is resistant to chlorinated water and aging caused by external agents. The liner ensures elasticity and is available with a wide range of optional features (colours, etc.).

4. Quicker installation time.

It can take as much as two months off the time to manufacture and install an Olympic SkyPool (50 x 25 x 2 m) in comparison with a concrete pool. This considerably reduces indirect and opportunity costs.

5. Low maintenance.

As there is access to the pool perimeter, any problems are more quickly located, so repair and maintenance work is easier and costs less.

6. Earthquakes resistant.

Build earthquake-resistant pools. The team of Skypool engineers calculates and adapts the system according to the seismic regulations of each country. Under request.



World Aquatics

SKYPOOL - The best performance

**Technology**

Thanks to the technology used in the construction of SkyPool panel pools, their precision and accuracy comply with World Aquatics regulations.

We have leveling and dimensional tolerance adjustment systems, in addition to materials resistant to subsidence and expansion.

A SkyPool is the result of experience and the use of cutting-edge technologies for the design, manufacture and installation of our pools.

Readily accessible pools that are easy to run

A typical pool installation can be checked from a technical gallery that provides access to the back of the panels for inspection, maintenance and repair work. This means that pools do not have to be emptied for such work, so they are easy and profitable to be run as a business concern.

Engineering calculations

The structural calculations for SkyPool panels are made to ensure the resistance of our installations and compliance with European and local standards. We make specific seismic calculations in order to comply with the most rigorous standards and to ensure resistance to potential earthquakes.

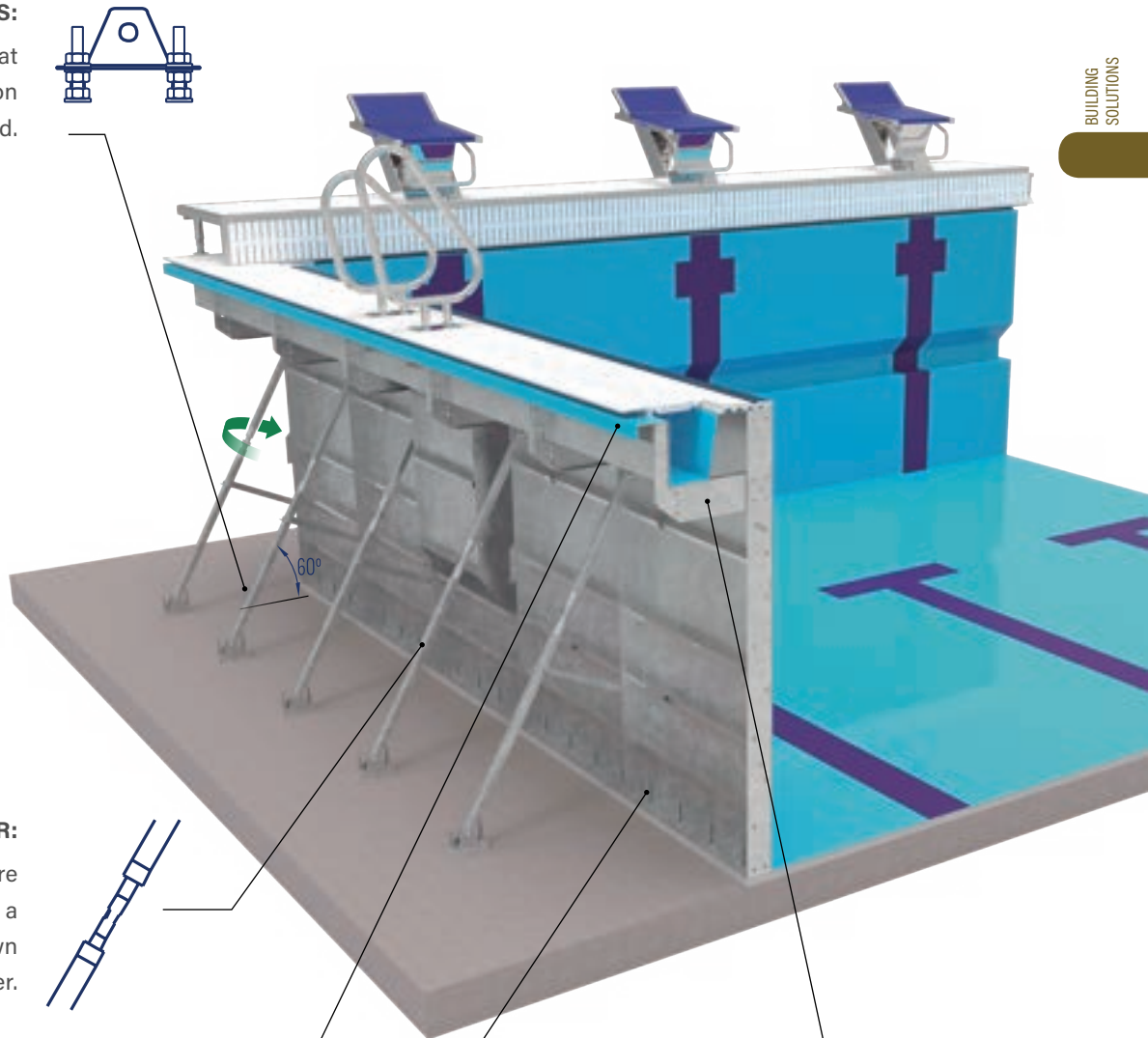
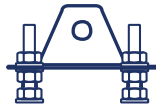


SKYPOOL COMMERCIAL POOLS

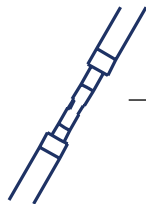
SKYPOOL - The best performance

ASTRALPOOL **STANDS:**

System of stands that provide better stability on the ground.

**TENSIONER:**

The tensioners are adjustable and enable a pool to be assembled down to the last millimeter.

**OVERFLOW CHANNEL:**

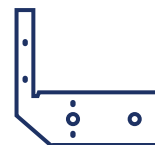
Totally modular. Can be made to be used with different grill and tile sizes.

**LEVELING:**

With a chemical anchoring fixture (30 mm)

**REINFORCED BRACKETS:**

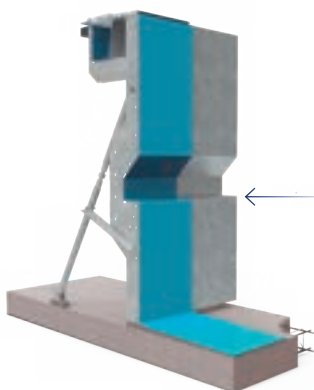
The brackets deliver greater resistance and stability in the overflow channel and panel area.



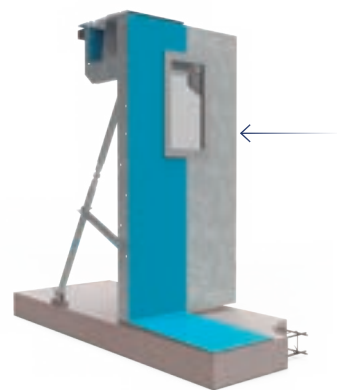
SKYPOOL - Specific panel types

**STEP PANELS**

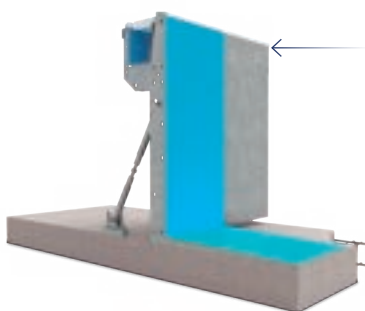
Panels with built-in ladders that comply with World Aquatics standard. Supplied with split ladder, fastenings and asymmetric handrails to make it easy for swimmers to get in and out of a pool.

**SWIMMER FOOTHOLD PANEL**

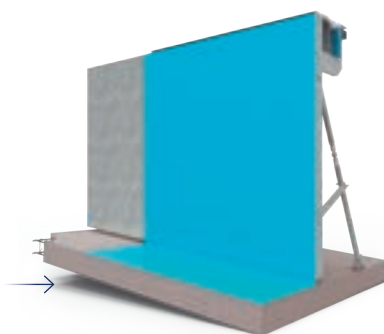
Built-in foothold at a depth of 1.2 m for swimmers to rest.

**GLASS SIGHT PANEL**

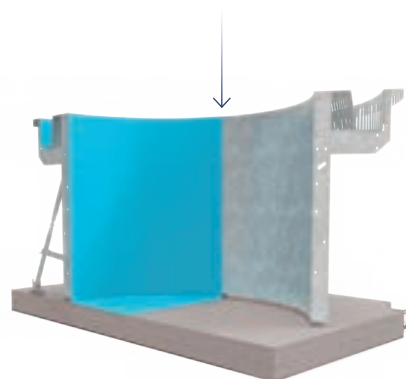
Glass windows so that trainers and physiotherapists at high performance and rehabilitation centers are able to observe swimmers underwater.

**WITHOUT CERAMICS PANEL**

Specially designed panel which does not need the front edge ceramic tile.

**INCLINED PANEL**

Inclined panels can be supplied to the specifications of an architectural project.

**CURVED PANEL**

Round and semicircular panels.

Ideal for wellness centers and leisure areas.

SKYPOOL COMMERCIAL POOLS

SKYPOOL - Panel models

**BARCELONA PANEL**

Freestanding galvanized steel panel suitable for pools of up to 2.2 m. Fastenings are only required at the bottom.

The Barcelona panel was designed for the first time for the 2003 World Swimming Championships in Barcelona. The pool was installed inside the Sant Jordi palace, on the basketball court without damaging the ground.

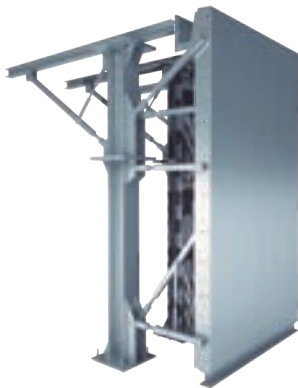
Its self-supporting system allows it to be anchored to a concrete slab without the need to fasten a pool's outer decking to the slab. This design makes possible the differential absorption of the subsidence of the slab at the base of a pool. The panels can be supplied in hot-dip galvanized steel and stainless steel.

**CAR PANEL**

Freestanding galvanized steel panel suitable for pools of up to 5 m. Fastenings are required at the top and on the bottom.

The range of prefabricated panels CAR (High Performance Center) for the training of elite athletes, are specifically designed for large pool heights with the aim of meeting all standards for Olympic, semi-Olympic, Paralympic, world swimming championships and water sports, such as water polo, jumping and synchronized swimming.

They are designed with a strong metal lattice framework anchored both to the concrete slab and to the formwork of a pool's decking.

**MELBOURNE PANEL**

Freestanding galvanized steel panel suitable for pools of up to 3.5 m with structure to install the surround of the pool.

The prefabricated Melbourne panels were designed for the 2007 Swimming World Championship in Melbourne. The main characteristic of these panels is their heights that vary between 2.5 to 3.5m. The self-supporting framework is anchored to the base slab and has a structure for building the outer decking. Ideal for building Olympic and synchronized swimming pools.

Temporary events. This type of panel is suitable for use in temporary events. The design of these pools makes it perfectly feasible to add bleachers in a stadium and they have an outer decking.

**RENOVATION PANEL**

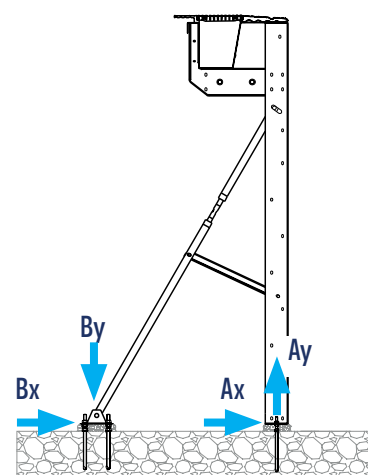
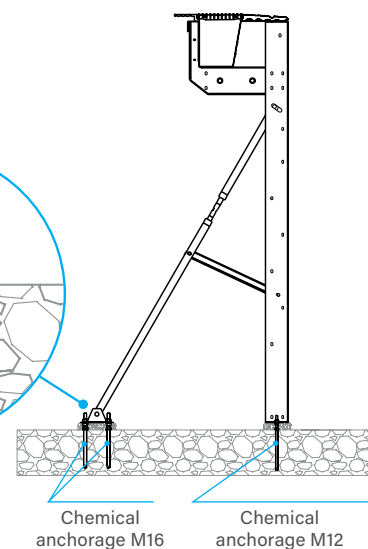
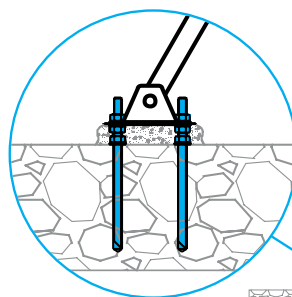
Renovation panels are the ideal solution for any old pools that have to be renovated to adapt to current standards and to give them a new lease of life.

Quick and easy to fit without the need to demolish the whole of a pool. Using galvanized steel renovation panels, only the pool's coping has to be demolished and a new overflow channel installed. Ceramic and non-ceramic finishes are available, and they have built-in drainage outlets. The most inexpensive solution to give your pool a new lease of life.

BARCELONA - Panel model



SkyPool galvanized steel self-supporting panels suitable for pools of up to 2.2 m.



STRAIN ON THE SLAB

GENERAL SPECIFICATIONS

Panel	Height (m)	0.8	1.0	1.2	1.4	1.5	1.6	1.8	2.0	2.2
	Width (m)	1.0 m standard size (special sizes available on request)								
Panel weight	(Kg)	56	62	70	76	80	87	96	104	113
Tensioner		M16				M20			M24	
Panel anchors	Chemical type	M12								
Reinforcement anchors	Chemical type	M12							M16	
Panel fastening screws	(8.8)	M10								

*LOADS

On panel	A	Ax (kN)	-1.79	-2.56	-3.01	-4.59	-5.52	-6.44	-8.47	-10.73	-12.99
		Ay (kN)	-4.54	-5.72	-8.58	-10.18	-11.14	-12.1	-14.23	-16.6	-18.97
On tensioner	B	Bx (kN)	-3.54	-4.67	-5.02	-5.98	-6.55	-7.11	-8.42	-9.88	-11.34
		By (kN)	4.07	5.25	8.7	10.34	11.32	12.29	14.46	16.86	19.26

FINISHES AND MATERIALS

Panel materials	S235JR steel according to standard UNE EN 10025
Panel finish	Hot-dip galvanized steel according to standard UNE-EN-ISO 1461: 2009
Waterproofing	Reinforced ALKORPLAN-2000 liner
Ceramic finish	ERGO 216 non-slip + 035 non-slip

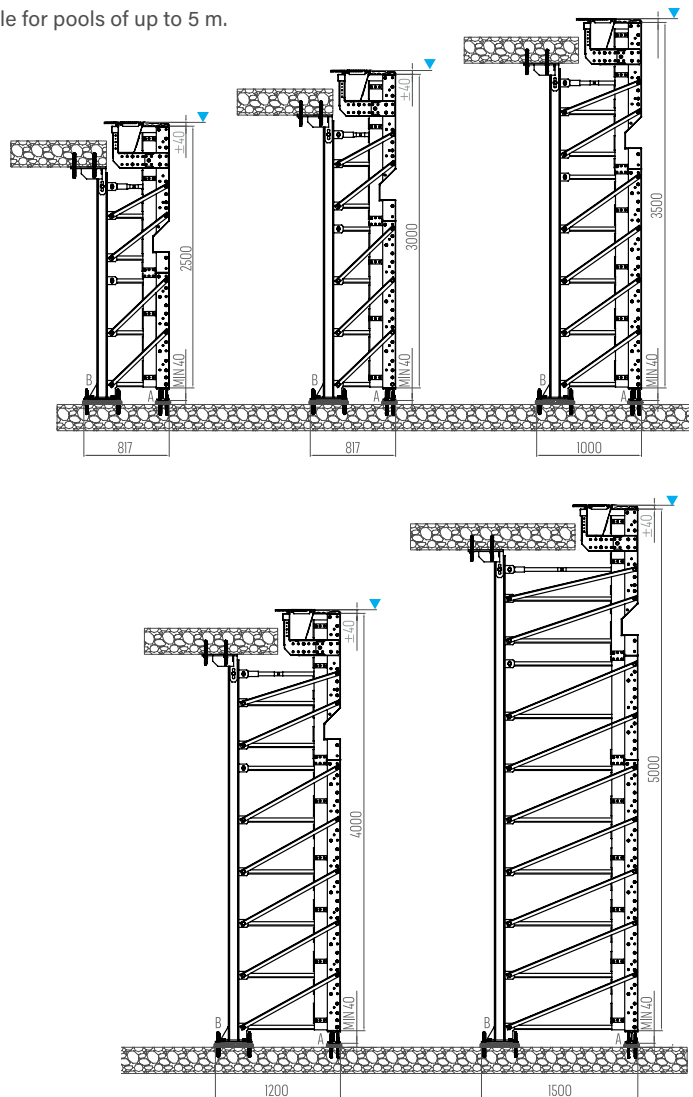
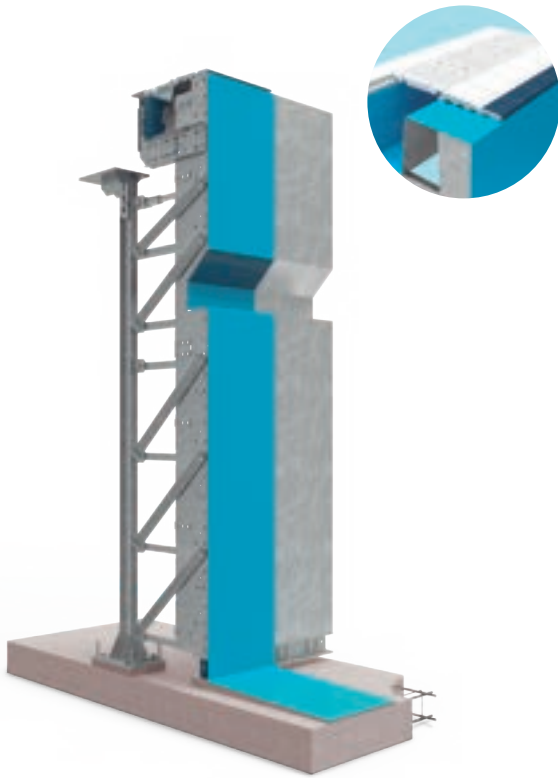
* Considered water level hydrostatic load and variable loads according to standard UNE-EN-ISO 13451-1 on pool equipment

SKYPOOL COMMERCIAL POOLS

CAR - Panel model



Self-supporting galvanized SkyPool steel panel suitable for pools of up to 5 m. Fastenings are required at the top and on the bottom.



GENERAL SPECIFICATIONS

Panel	Height (m)	2.5	3.0	3.5	4.0	5.0
	Width (m)	1.0 m standard size (special sizes available on request)				
Panel weight	(Kg)	245	290	340	395	500
Panel anchors	Chemical type	M12			M16	
Reinforcement anchors	Chemical type	M16			M20	
Panel fastening screws	(8.8)	M12				

*LOADS

On panel	A	Ax (kN)	Ask for details
		Ay (kN)	
On tensioner	B	Bx (kN)	
		By (kN)	

FINISHES AND MATERIALS

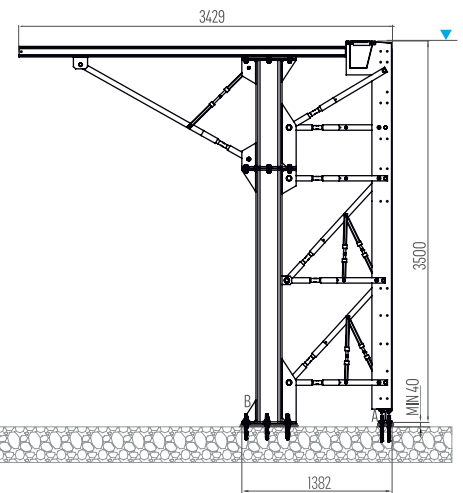
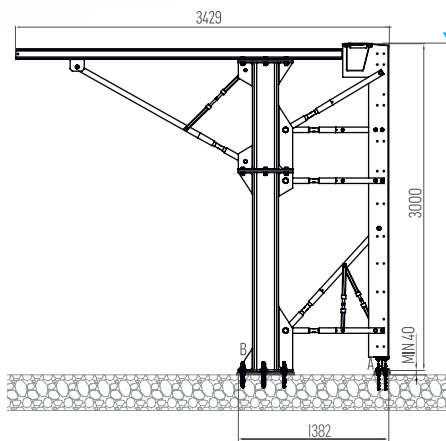
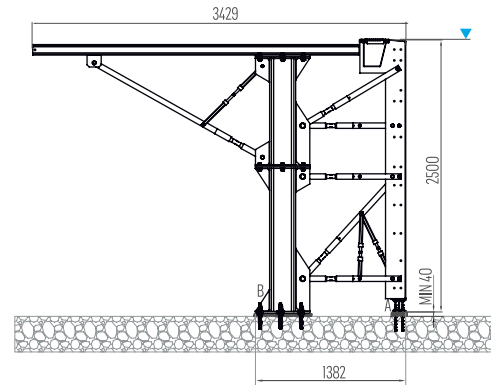
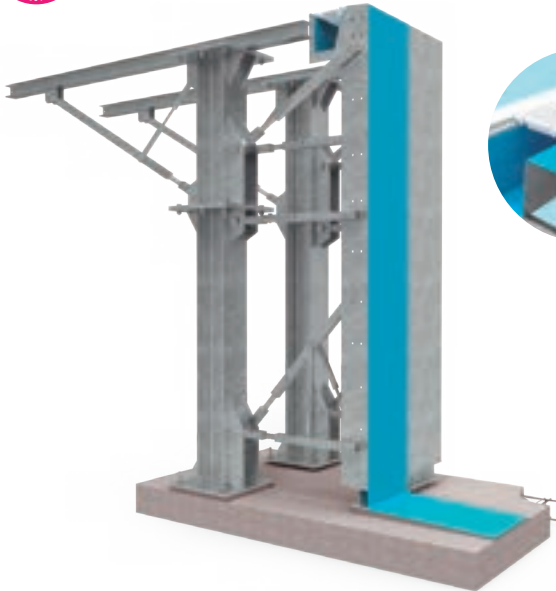
Panel materials	S235JR steel according to standard UNE EN 10025
Panel finish	Hot-dip galvanized steel according to standard UNE-EN-ISO 1461: 2009
Waterproofing	Reinforced ALKORPLAN-2000 liner
Ceramic finish	ERGO 216 non-slip + 035 non-slip

* Considered water level hydrostatic load and variable loads according to standard UNE-EN-ISO 13451-1 on pool equipment

MELBOURNE - Panel model



Galvanized SkyPool steel panel suitable for pools of up to 3.5 m with structure to install the pool decking.



GENERAL SPECIFICATIONS

Panel	Height (m)	2.5	3.0	3.5
	Width (m)	1.0 m standard size (special sizes available on request)		
Panel weight	(Kg)	1255	1370	1545
Panel anchors	Chemical type	M12		M16
Reinforcement anchors	Chemical type	M16		M20
Panel fastening screws	(8.8)	M12		

*LOADS

On panel	A	Ax (kN)	Ask for details
		Ay (kN)	
On tensioner	B	Bx (kN)	
		By (kN)	

FINISHES AND MATERIALS

Panel materials	S235JR steel according to standard UNE EN 10025
Panel finish	Hot-dip galvanized steel according to standard UNE-EN-ISO 1461: 2009
Waterproofing	Reinforced ALKORPLAN-2000 liner
Ceramic finish	ERGO 216 non-slip + 035 non-slip

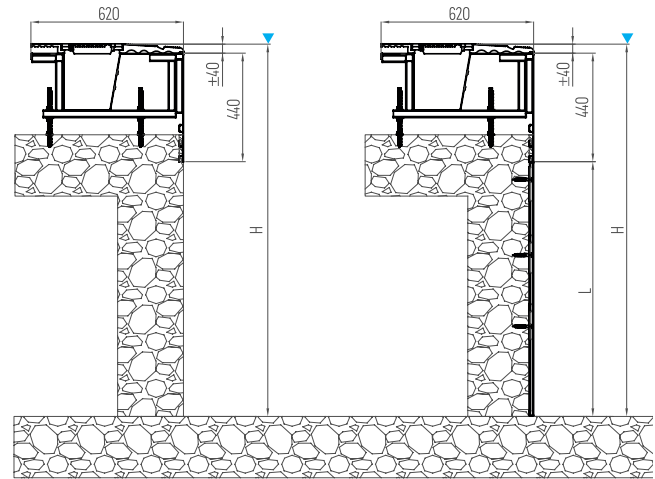
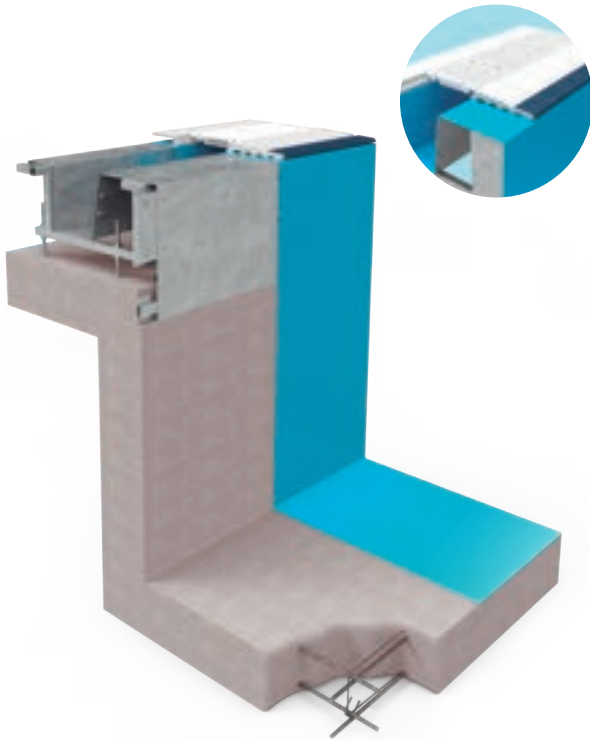
* Considered water level hydrostatic load and variable loads according to standard UNE-EN-ISO 13451-1 on pool equipment

SKYPOOL COMMERCIAL POOLS

RENOVATION - Panel model

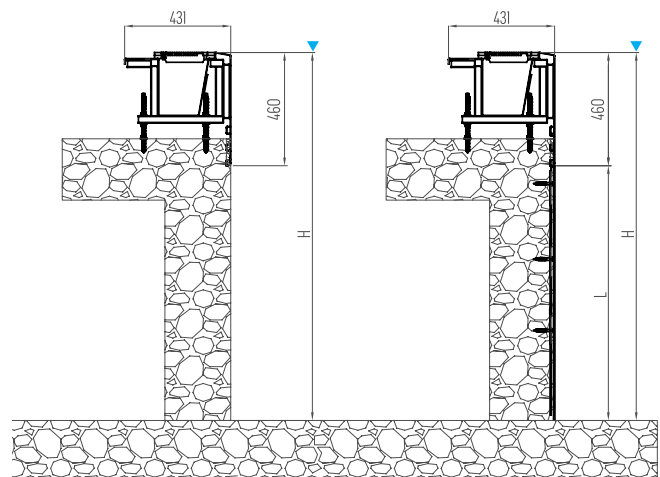


Galvanized steel SkyPool panel suitable for renovating any existing pool.



Ceramic overflow channel

Ceramic overflow channel & wall



Non-ceramic overflow channel

Non-ceramic overflow channel & wall

GENERAL SPECIFICATIONS

Panel	Type	CERAMIC		NON-CERAMIC	
	Depth H (m)	Overflow channel	Overflow channel & wall	Overflow channel	Overflow channel & wall
	Depth L (m)	-	-	-	-
	Width (m)	1.0 m standard size (special sizes available on request)			
	Panel weight (Kg)	36	55	32	51
Panel anchors	Chemical type	M12			
Panel fastening screws	(8.8)	M6			

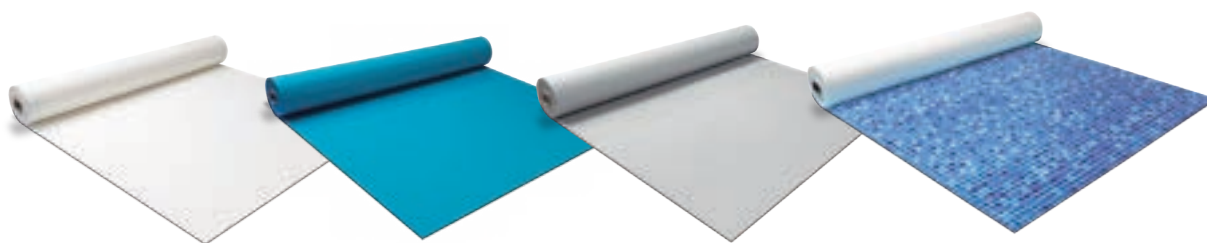
FINISHES AND MATERIALS

Panel materials	S235JR steel according to standard UNE EN 10025				
Panel finish	Hot-dip galvanized steel according to standard UNE-EN-ISO 1461: 2009				
Waterproofing	Reinforced ALKORPLAN-2000 liner				
Ceramic finish	ERGO 216 non-slip + 035 non-slip		Does not apply		

WATERPROOFING OF THE POOL using a reinforced PVC-P liner



The liner made of 150/100 reinforced PVC-P (plasticized polyvinyl chloride) is the most commonly used system for covering liner pools as it is extremely flexible, resistant to tearing, easy to weld, resistant to bleaching from UV rays and because it comes in a wide range of colors.



Roll-2000-White

Roll-2000-Adriatic Blue

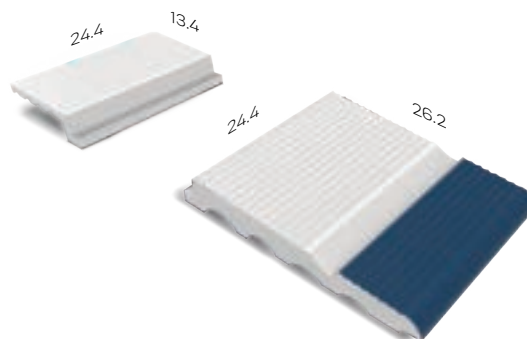
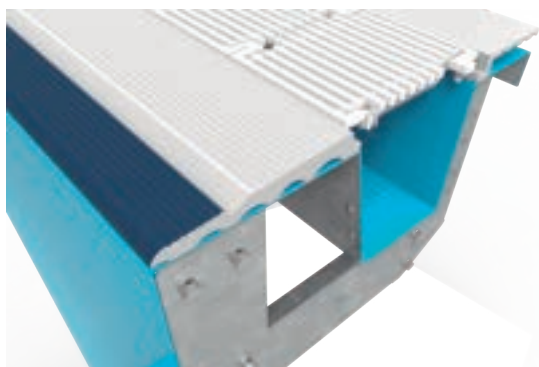
Roll-2000-Light grey

Roll-3000-Persia Blue

COPING FINISHES



Porcelain stoneware enhances a pool's design and embellishes its finishing.

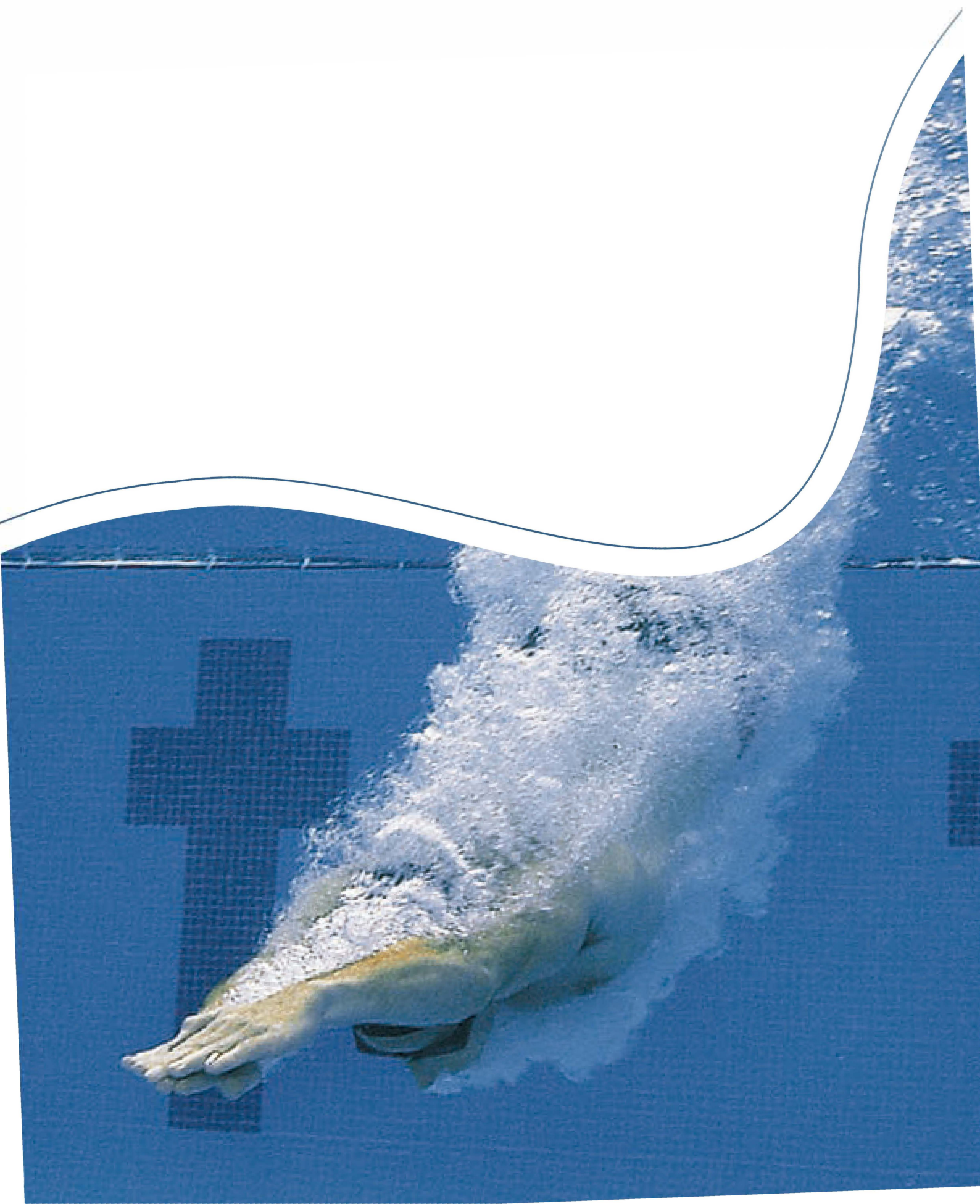


SkyPool warranty

All our pools are certified and under warranty for 25 years. Their materials comply with EU standards.

Our quality management system is certified (S/UNE-EN ISO 9001: 2015).





FILTRATION

122 LAMINATED FILTERS

122 Begur filters

138 BOBBIN WOUND FILTERS

138 Olot filters

156 COMMERCIAL POOL FILTRATION

156 Coding

156 Head loss curve

157 FILTER MEDIA

157 Vertical Filter Media

159 Horizontal Filter Media

160 VALVES MANIFOLD

160 Valves manifold

161 Valves manifold Codification

162 REGENERATIVE MEDIA FILTERS

162 FMR Regenerative media filters

162 Manual kit bypass

163 Automatic kit bypass

163 Automatic Pro kit bypass

164 Basic FMR control panel

164 Pro FMR control panel

165 Pro VFD FMR control panel

166 Automatic purge kit

166 Balance tank control kit

166 Regenerative media perlite

LAMINATED FILTERS

BEGUR FILTERS



- Designed following the guidelines of the standards DIN 19605/19643.
- Filters are made of polyester resin and fibreglass.
- Equipped with pressure gauge, and water purge valves.
- Nozzle plate included with 65 nozzles/m².
- Maximum temperature 50°C.
- Bed depth 1,2 m.
- Freeboard 0,5 m.
- Fibreglass polyester flanges.
- Colour RAL 5015.
- Hardware stainless steel AISI 316.

Bed depth 1.2 m

Maximum pressure:
2.5 kg/cm².

Ø Internal diameter	Filtration Area	Filtration velocity	Recommended flow	Input connection	Output connection	Code filter ⁽¹⁾	
						Outlet water under nozzle plate	
mm	m ²	m ³ /h/m ²	m ³ /h	mm		Monolayer (1 sight glass)	Multilayer (2 sight glasses)
650	0.33	20	7	90	75	66033	66033
		30	10			126 000	127 000
800	0.5	20	10	110	90	66034	66034
		30	15			126 000	127 000
1000	0.86	20	16	140	110	66035	66035
		30	23			126 000	127 000
1200	1.13	20	23	160	140	66036	66036
		30	34			126 000	127 000

(1) Example of Interpretation of the code: 66033 126 000
The filter code does not include filter media

LAMINATED FILTERS

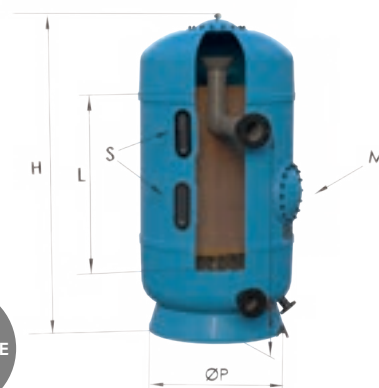
BEGUR FILTERS



TECHNICAL FEATURES

Filter Media Loads
on page 157

FILTER
WITH NOZZLE
PLATE



FILTRATION

STANDARD EQUIPMENT

Filter with nozzle plate

Pressure (bar)

Nozzle plate	0.5 mm slots	Ø 650 - Ø 1200	2.5
Lateral manhole	Ø 200	Ø 650	2.5
	Ø 400	Ø 800 - Ø 1200	2.5
Sight glass	50 x 300 mm	Ø 650 - Ø 1200	2.5
Air relief	1/4"	Ø 650 - Ø 1200	2.5
Water drain	3/4"	Ø 650 - Ø 1200	2.5
Airscouring connection	DN50	Ø 650 - Ø 1200	2.5
Top manhole	Ø 200	Ø 650 - Ø 800	2.5
	Ø 400	Ø 1000 - Ø 1200	2.5

OPTIONS TABLE

Ø (mm)

Vinylester. Ozone use ⁽¹⁾	Ø 650 - Ø 1200
Use with salt water ⁽²⁾	
Use with drinking water ⁽³⁾	

⁽¹⁾ Maximum concentration of ozone 0.5 ppm in the water and maximum temperature 40°.

⁽²⁾ Maximum allowed concentration of salt 45 gr/l (seawater).

⁽³⁾ A certificate of the material suitable for use with drinking water is included.

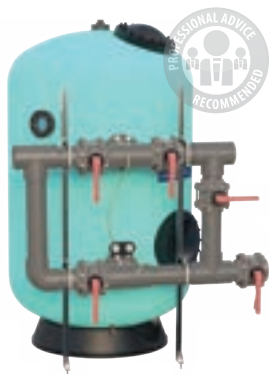
Ø (mm)	A (H) (mm)	B (M) (mm)	H (mm)	L (mm)	Ø P (mm)	Net Weight kg	Standard Volume m³	Weight in service kg
650	270	1400	2411	1200	580	110	1.88	845
800	270		2442		700	150	2.70	1490
1000	355		2617		890	160	4.30	2190
1200	385		2752		1085	180	4.98	3320

BOBBIN WOUND FILTERS

OLOT FILTERS

Designed following the guidelines of the standards DIN 19605/19643

- Bobbin wound filters made of polyester resin and fibreglass.
- Equipped with pressure gauge, and water purge valves.
- Ø 400 mm top lid and Ø 400 lateral manhole included.
- All filters can be assembled with valve manifold.
- Nozzle plate included.



Bed depth 1.2 m and 1.5 m

Does not include valve manifold

Other specific heights may be made to order

All Ø 3000 mm filters need special shipping

Coding options according to table on page 156

					Bed depth 1.2 m		Bed depth 1.5 m		
Ø Internal diameter	Filtration Area	Filtration velocity	Recommended flow	Outlet Ø	Code filter ⁽¹⁾				Valve manifold Manual, 5-valve code for 1 filter
					Bed depth 1.2 m		Bed depth 1.5 m		
					2.5 bar	4 bar	2.5 bar	4 bar	
mm	m²	m³/h/m²	m³/h	mm	2.5 bar	4 bar	2.5 bar	4 bar	
1050	0.87	30	25	110	07355-120	07355-120 PR 04	18227-120	18227-120 PR 04	00780 OL 10
1200	1.13	30	33	125	07356-120	07356-120 PR 04	18228-120	18228-120 PR 04	00785 OL 12
1400	1.54	30	46	140	07447-120	07447-120 PR 04	18229-120	18229-120 PR 04	00789 OL 14
1600	2.01	30	60	160	07357-120	07357-120 PR 04	18230-120	18230-120 PR 04	09177 OL 16
1800	2.54	30	76	200	07448-120	07448-120 PR 04	18231-120	18231-120 PR 04	09180 OL 18
2000	3.14	30	94	225	07358-120	07358-120 PR 04	18232-120	18232-120 PR 04	09185 OL 20
2200	3.80	30	114	225	56934-120	56934-120 PR 04	65547-120	65547-120 PR 04	09185 OL 22
2350	4.34	30	130	250	07359-120	07359-120 PR 04	18233-120	18233-120 PR 04	19133 OL 23
2500	4.91	30	150	250	19335-120	19335-120 PR 04	19337-120	19337-120 PR 04	19133 OL 25
2600	5.31	30	160	250	23969-120	23969-120 PR 04	23971-120	23971-120 PR 04	19133 OL 26
2800	6.16	30	185	250	23970-120	23970-120 PR 04	23972-120	23972-120 PR 04	19133 OL 28
3000	7.07	30	212	250	19336-120	19336-120 PR 04	19338-120	19338-120 PR 04	19133 OL 30

⁽¹⁾ The filter code does not include filter media or Valve manifold.

*Filters with a diameter greater than 2500 require special transport.

BOBBIN WOUND FILTERS

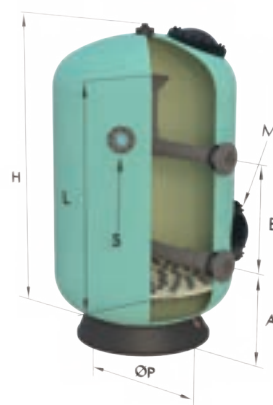
OLOT FILTERS



TECHNICAL FEATURES



STANDARD EQUIPMENT



Filter with laterals

Nozzle plate 0.5 mm Slots	Ø 1050 - 3000
Top manhole Ø 400	Ø 1050 - 3000
Air relief 2" Male thread	Ø 1050 - 1400
Air relief 2" Female thread	Ø 1600 - 3000
Water drain 3/4"	Ø 1050 - 3000
Airscouring connection 2"	Ø 1050 - 1600
Airscouring connection Ø 75	Ø 1800 - 2500
Airscouring connection Ø 90	Ø 2600
Airscouring connection Ø 110	Ø 2800
Airscouring connection Ø 140	Ø 3000

OPTIONS TABLE	Ø (mm)	Pressure (bar)
Lateral manhole Ø 500 mm ^(M)	1050 - 3000	2.5 - 4
Sight glass Ø 135 mm ^(S)		
Sight glass Ø 200 mm ^(S)		
Vinylester. Ozone use ⁽⁴⁾		
Use with salt water ⁽⁵⁾		
Use with drinking water ⁽⁶⁾		
UV resistant. Outdoor use		
Top manhole Ø 500 mm		

⁽¹⁾ Nozzle plate with 0.5 mm slots suitable for air scouring. Consult for nozzles with 0.2 mm slots.

^(M) Recommendation: The lateral manhole option is for all filters with nozzle plate or with laterals, whose height (H) is higher than 2 m. The main reason is to facilitate the access to the interior without working at height. More than one lateral manhole can be installed. The distance between the inlet/outlet ports and the manhole is always the same, rotated 45° to the right by default. It can be modified as per your requirements.

^(S) More than one Sight Glass can be placed. The vertical position is standard and the center of the sight glass is placed at the height of the Bed depth. The position for the connections can vary and, by default, it is placed 45° left to the connections.

⁽⁴⁾ Maximum concentration of ozone 0.5 ppm in the water and maximum temperature 40°.

⁽⁵⁾ Maximum allowed concentration of salt 45 gr/l (seawater).

⁽⁶⁾ A certificate of the material suitable for use with drinking water is included.

Ø	A (H)	B (M)	H		L		Ø P	Net Weight	Standard Volume	Weight in service
			Bed depth 1.2 m	Bed depth 1.5 m	Bed depth 1.2 m	Bed depth 1.5 m				
(mm)	(mm)	(mm)	(mm)		(mm)		(mm)	kg	m ³	kg
1050	700	1000	2380	2680	1700	2000	730	285	3.21	3000
1200	700	1000	2400	2700			940	385	4.2	3900
1400	830	900	2420	2720			1080	420	5.68	5300
1600	830	950	2520	2820			1230	460	7.69	7150
1800	900	920	2570	2870			1390	515	9.58	8750
2000	950	760	2660	2960			1550	625	12.9	11250
2200	950	750	2690	2990			1860	774	15.3	13130
2350	1050	680	2800	3100			1850	920	17.5	15800
2500	1100	600	2850	3150			2050	1010	25.87	17950
2600	1160	600	2920	3220			2050	1144	26.51	19400
2800	1230	650	3030	3330			2200	1264	30.63	22600
3000	1140	600	2900	3200			2360	1590	32.12	26250

CODING

The filter code is composed of eight digits. The first five digits correspond to the filter code and the last three digits correspond to the model – this information is given in the tables below.

This codification system is used for the Praga, Oslo, Olot, Rodas, Vic, Europe, Vesubio and Delta filters.

Position	1	2	3	4	5	-	6	7	8
----------	---	---	---	---	---	---	---	---	---

Position 1 to 5: Five digit code of the standard product.

Position 6 Specifies the nozzle plate and vinylester options		Position 7 Specifies side opening options		Position 8 Specifies sightglass options	
0	Filter without nozzle plate	0	Without nozzle plates	0	Without sightglasses
1	Filter with nozzle plate	1	1 Ø 225 mm manhole	1	1 sightglass for laminated filter
2	Vinylester finish	2	1 Ø 400 mm manhole	2	1 Ø 135 mm sightglass
3	With plate and vinylester	3	2 Ø 225 mm manholes	3	2 Ø 135 mm sightglasses
4	1" double effect priming valve kit	4	2 Ø 400 mm manholes	4	2 Ø 225 mm manholes
5	1" double effect priming valve kit + plate	5	1 Ø 500 mm manhole		
6	1" double effect priming valve kit + plate and vinylester				
7	2" double effect priming valve kit				
8	2" double effect priming valve kit + plate				
9	2" double effect priming valve kit + plate and vinylester				

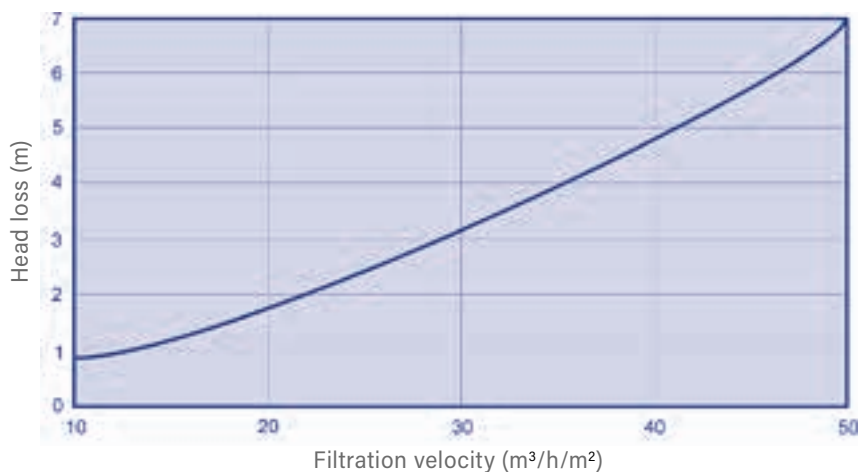
Notes: Rodas filters with nozzle plates are not available.
Ø 500 mm side opening for filters as of Ø 1050 mm.
Maximum vinylester option of 0.5 ppm.

Please enquire pricing for various options:

- Vinylester finish
- Ø 225 mm and Ø 400 mm manhole
- Sightglass
- Plate

HEAD LOSS CURVE

Filters from Ø 1050 mm to Ø 3000 mm



FILTER MEDIA

VERTICAL FILTER MEDIA

Apparent Density (kg/m³)

Anthracite 0.8-1.6	800
Sand 0.4-0.8	1400
Gravel 1-2	1500
Grade 1 glass	1250
Grade 2 glass	1250
Grade 3 glass	1250



Anthracite



Gravel



Glass

			Ø D (mm)					
Model	Media (m³)		500	650	800	950	1000	1200
ARTIC	single-layer	Sand 0.4-0.8	225	380	530	830	1015	1360
		Gravel 1-2	50	100	165	260	320	410
	glass media	Grade 1 glass	150	275	375	600	750	1000
		Grade 2 glass	50	75	125	200	250	325
		Grade 3 glass	50	100	150	225	275	350
ARTIC PLUS	single-layer	Sand 0.4-0.8		470	660	1015	1240	1665
		Gravel 1-2		100	165	260	320	410
	glass media	Grade 1 glass		325	475	725	875	1175
		Grade 2 glass		100	150	225	275	375
		Grade 3 glass		125	150	250	300	400
DELTA 1000	single-layer	Sand 0.4-0.8	245	400	640		990	1425
		Gravel 1-2	60	85	156		300	350
	glass media	Grade 1 glass	175	275	450		725	1000
		Grade 2 glass	50	75	150		225	325
		Grade 3 glass	75	100	150		250	350
DELTA 1200	single-layer	Sand 0.4-0.8		450	765		1325	1765
		Gravel 1-2		85	156		300	350
	glass media	Grade 1 glass		325	500		850	1125
		Grade 2 glass		100	175		275	375
		Grade 3 glass		100	175		300	400
DELTA 1000 NOZZLE PLATE	single-layer	Sand 0.4-0.8		400	640		990	1425
		Gravel 1-2		45	80		120	175
	glass media	Grade 1 glass		275	450		725	1000
		Grade 2 glass		75	100		125	225
		Grade 3 glass		75	100		150	225
DELTA 1200 NOZZLE PLATE	single-layer	Sand 0.4-0.8		450	765		1325	1765
		Gravel 1-2		45	80		300	175
	glass media	Grade 1 glass		325	500		850	1125
		Grade 2 glass		75	125		200	300
		Grade 3 glass		75	125		225	350
NORMA	single-layer	Sand 0.4-0.8		450	765		1325	1765
		Gravel 1-2		45	80		300	175
	glass media	Grade 1 glass		325	500		850	1125
		Grade 2 glass		75	125		200	300
		Grade 3 glass		75	125		225	350
	multi-layer	Anthracite 0.8-1.6		120	200		315	450
		Sand 0.4-0.8		160	270		420	610
BEGUR (NORMA DIN)	single-layer	Gravel 1-2		90	150		240	350
		Sand 0.4-0.8		535	815		1270	1830
	glass media	Gravel 1-2		50	80		120	175
		Grade 1 glass		350	550		850	1125
		Grade 2 glass		75	125		200	300
	multi-layer	Grade 3 glass		75	125		225	350
		Anthracite 0.8-1.6		160	240		375	540
	Sand 0.4-0.8		270	410		635	915	
	Gravel 1-2		100	160		240	350	

Recommended weights. It can vary depending on the density of the product.

FILTER MEDIA

VERTICAL FILTER MEDIA

Apparent Density (kg/m³)

Anthracite 0.8-1.6	800
Sand 0.4-0.8	1400
Gravel 1-2	1500
Grade 1 glass	1250
Grade 2 glass	1250
Grade 3 glass	1250



Anthracite



Gravel



Glass

			Ø D (mm)											
Model	Media (m³)		1050	1200	1400	1600	1800	2000	2200	2350	2500	2600	2800	3000
BERLIN 1.2 m bed depth collector arms	single-layer	Sand 0.4-0.8	575	800										
		Gravel 1-2	300	325										
	glass media	Grade 1 glass	500	700										
		Grade 2 glass	275	300										
VESUBIO 1 m bed depth collector arms	single-layer	Sand 0.4-0.8	1125	1350	1850	2723	3175	3650						
		Gravel 1-2	175	275	350	450	550	675						
	glass media	Grade 1 glass	650	775	1075	1575	1850	2125						
		Grade 2 glass	325	400	550	800	925	1075						
		Grade 3 glass	150	250	300	400	475	600						
EUROPA, PRAGA, VIC 1 m bed depth collector arms	single-layer	Sand 0.4-0.8	950	1375	1650	2150	2800	3800	4650	5275	6000			8600
		Gravel 1-2	300	325	450	675	750	1050	1800	1900	2200			3300
	glass media	Grade 1 glass	550	800	975	1250	1625	2225	2725	2075	3500			5025
		Grade 2 glass	275	400	475	625	825	1100	1350	1550	1750			2500
		Grade 3 glass	275	300	400	600	650	925	1575	1675	1925			2900
EUROPA, OSLO 1.2 m bed depth collector arms	single-layer	Sand 0.4-0.8	1300	1775	2300	3000	3800	4650	5625	6300	7075			10575
		Gravel 1-2	300	350	500	775	850	1150	1400	1800	1975			3850
	multi-layer	Anthracite 0.8-1.6	450	575	775	1000	1275	1575	1900	2175	2450			3550
		Sand 0.4-0.8	700	800	1025	1375	1750	2125	2550	2925	3350			4825
		Gravel 1-2	300	350	500	775	850	1150	1400	1800	1975			3850
	glass media	Grade 1 glass	1700	2325	3025	3950	5000	6100	7375	8275	9275			13875
		Grade 2 glass	375	525	675	875	1100	1350	1650	1850	2050			3100
		Grade 3 glass	275	300	450	675	750	1000	1225	1575	1725			3375
EUROPA, PRAGA, VIC 1 m bed depth nozzle plate	single-layer	Sand 0.4-0.8	950	1375	1650	2150	2800	3800	4650	5275	6000			8600
		Gravel 1-2	150	175	250	300	400	500	600	675	775			1100
	glass media	Grade 1 glass	650	900	1100	1425	1875	2500	3075	3475	3950			5675
		Grade 2 glass	325	450	550	725	925	1250	1525	1750	1975			2825
EUROPA, OSLO, OLOT 1.2 m bed depth nozzle plate	single-layer	Sand 0.4-0.8	1300	1775	2300	3000	3800	4650	5625	6300	7075	8175	9500	10575
		Gravel 1-2	150	175	250	300	400	500	600	675	775	800	925	1100
	multi-layer	Anthracite 0.8-1.6	450	575	775	1000	1275	1575	1900	2175	2450	2550	2950	3550
		Sand 0.4-0.8	700	800	1025	1375	1750	2125	2550	2925	3350	3700	4300	4825
		Gravel 1-2	150	175	250	300	400	500	600	675	775	800	925	1100
	glass media	Grade 1 glass	850	1150	1475	1925	2450	3000	3625	4075	4575			6800
		Grade 2 glass	425	575	750	975	1225	1500	1825	2050	2300			3400
OLOT 1.5 m bed depth nozzle plate	multi-layer	Anthracite 0.8-1.6	450	575	775	1000	1275	1575	1900	2175	2450	2550	2950	3550
		Sand 0.4-0.8	725	950	1250	1650	2100	2550	3100	3525	4025	4450	5175	2775
		Gravel 1-2	150	175	250	300	400	500	600	675	775	800	925	1100
		Gravel 2-3	150	175	250	300	400	500	600	675	775	800	925	1100
		Gravel 3-5	150	175	250	300	400	500	600	675	775	800	925	1100
BLANES (EUROPA DIN)	single-layer	Sand 0.4-0.8			2500	3250	4125	5100						
		Gravel 1-2			250	300	400	475						
	glass media	Grade 1 glass												
		Grade 2 glass												
		Grade 3 glass												
	multi-layer	Anthracite 0.8-1.6			600	775	975	1200						
		Sand 0.4-0.8			1250	1650	2100	2550						
		Gravel 1-2			475	625	800	975						

Recommended weights. It can vary depending on the density of the product.

FILTER MEDIA



HORIZONTAL FILTER MEDIA

Apparent Density (kg/m³)

Anthracite 0.8-1.6	800
Sand 0.4-0.8	1400
Gravel 1-2	1500
Grade 1 glass	1250
Grade 2 glass	1250
Grade 3 glass	1250



Anthracite



Gravel



Glass

			Ø D (mm)								
Model	Media (m³)		1900	2300	2500	2700	3000	3500	4000	4500	5000
1050	single-layer	Sand 0.4-0.8	950	1250	1525	1800	2025				
		Gravel 1-2	350	475	575	700	775				
	glass media	Grade 1 glass	625	825	1000	1175	1325				
		Grade 2 glass	200	275	325	400	450				
		Grade 3 glass	300	425	500	625	675				
1200	single-layer	Sand 0.4-0.8	1100	1425	1750	2075	2325				
		Gravel 1-2	425	550	700	825	925				
	glass media	Grade 1 glass	725	925	1150	1350	1525				
		Grade 2 glass	250	300	375	450	500				
		Grade 3 glass	375	475	625	725	800				
1400	single-layer	Sand 0.4-0.8	2100		2825		3450				
		Gravel 1-2	575		800		1000				
	glass media	Grade 1 glass	1375		1850		2250				
		Grade 2 glass	450		625		750				
		Grade 3 glass	500		700		875				
1600	single-layer	Sand 0.4-0.8	2850		3875		4750				
		Gravel 1-2	600		850		1050				
	glass media	Grade 1 glass	1875		2550		3100				
		Grade 2 glass	625		850		1050				
		Grade 3 glass	700		975		1200				
1800	single-layer	Sand 0.4-0.8			4850		5925	7000	8075		
		Gravel 1-2			975		1225	1475	1700		
	glass media	Grade 1 glass			3175		3875	4600	5300		
		Grade 2 glass			1050		1300	1525	1750		
		Grade 3 glass			850		1075	1300	1500		
2000	single-layer	Sand 0.4-0.8			6575		8025	9475	10925	12375	13825
		Gravel 1-2			1050		1300	1550	1800	2075	2350
	glass media	Grade 1 glass			4325		5275	6225	7175	8125	9075
		Grade 2 glass			1450		1750	2075	2400	2700	3024
		Grade 3 glass			925		1150	1350	1575	1825	2050
2350	single-layer	Sand 0.4-0.8					9300	11050	12800	14525	16250
		Gravel 1-2					2575	3125	3650	4200	4750
	glass media	Grade 1 glass					6100	7250	8400	9525	10675
		Grade 2 glass					2025	2425	2800	3175	3550
		Grade 3 glass					2250	2750	3200	3675	4150
2500	single-layer	Sand 0.4-0.8						11675	13500	15350	17200
		Gravel 1-2						3175	3725	4300	4850
	glass media	Grade 1 glass						7650	8850	10075	11275
		Grade 2 glass						2550	2950	3350	3750
		Grade 3 glass						2775	3250	3775	2450

Recommended weights. It can vary depending on the density of the product.

VALVES MANIFOLD

Manual Manifold. 5 Butterfly Valves

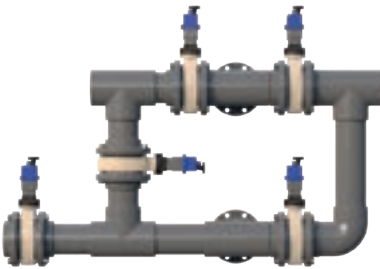


Split-up

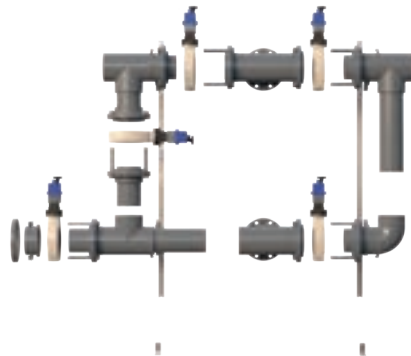


- Butterfly valve.
- Regulable opening every 15° with position holding.
- One piece body in PVC-U.
- Fixed in the set with galvanized steel screws.
- Standard flanges DIN 2501.

Electric Manifold. 5 Butterfly Valves



Split-up

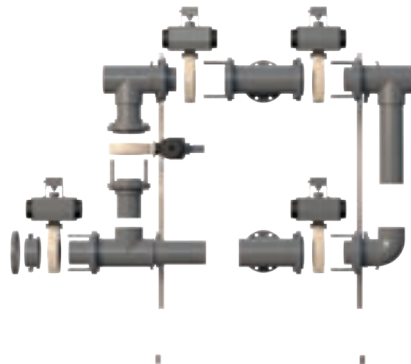


- Butterfly valve with electric actuator J+J 80-240V.
- Electronic torque control, with limitation of maximum torque.
- Anti-condensation heating resistor.
- Automatic / manual lever, with manual override.
- Open and closed volt free contacts.
- Indicator LED operating / error.
- Enclosure in anticorrosive polyamide.
- Standard flanges DIN 2501.
- Fixed in the set with galvanized steel screws.

Pneumatic Manifold. 5 Butterfly Valves



Split-up



- Butterfly valve with pneumatic actuator CH-air with limit switch box.
- Rack and pinion drive.
- Valve position visualization.
- NAMUR connection that allows the assembly of the solenoid valve.
- Final position regulation in the actuator (+/- 5°).
- Fixed in the set with galvanized steel screws.
- Standard flanges DIN 2501.

Installation details

Tightening torques (Installation)

D (mm)	63	75	90	110	125 - 140	160	200 - 225	250 - 280	315
DN (mm)	50	65	80	100	125	150	200	250	300
Screws	4xM16x120	4xM16x120	4xM16x150	4xM16x160	4xM16x170	4xM20x200	4xM20x210	4xM20x270	4xM20x310
(N.m)	25	25	25	30	35	40	50	80	80

VALVES MANIFOLD

VALVES MANIFOLD CODIFICATION

Ø OUTLET + MODEL + Ø FILTER

CODING EXAMPLES FOR 1 FILTER

-5 valves, manual. Olot filter Ø1200-125 00785 OL 12

CODING EXAMPLES FOR 2 FILTERS

-5 valves, manual 2 filters Prague Ø1600-125 09180 2BS 516

In this case, it's necessary to search the equivalent outlet for two filters with Ø125 according to the filtration speed. For this example, the speed is 50 (indicated by a 5 at the beginning of the last two digits) and the outlet is Ø200. The number of filters is indicated in front of the filter model, in this case, 2.

Model Filter

Model	Code
Berlin	BB
Praga	BS
Vic	VI
Oslo	BA
Olot	OL
Europe	EU
Vesubio	VO
Rodas	HZ

Ø Filter

Model	Code
1050	10
1200	12
1400	14
1600	16
1800	18
2000	20
2350	23
2500	25
2600	26
2800	28
3000	30

Ø Outlet

Manual Manifolds - 4 Valves

63	00747	Manual Manifold 4 Val. D. 63
75	00749	Manual Manifold 4 Val. D. 75
90	00754	Manual Manifold 4 Val. D. 90
110	00758	Manual Manifold 4 Val. D. 110
125	00763	Manual Manifold 4 Val. D. 125
140	00767	Manual Manifold 4 Val. D. 140
160	09205	Manual Manifold 4 Val. D. 160
200	09160	Manual Manifold 4 Val. D. 200
225	09164	Manual Manifold 4 Val. D. 225
250	26244	Manual Manifold 4 Val. D. 250

Electric Manifolds - 4 Valves

63	00747E	Electric Manifold 4 Val. D. 63
75	00749E	Electric Manifold 4 Val. D. 75
90	00754E	Electric Manifold 4 Val. D. 90
110	00758E	Electric Manifold 4 Val. D. 110
125	00763E	Electric Manifold 4 Val. D. 125
140	00767E	Electric Manifold 4 Val. D. 140
160	09205E	Electric Manifold 4 Val. D. 160
200	09160E	Electric Manifold 4 Val. D. 200
225	09164E	Electric Manifold 4 Val. D. 225
250	26244E	Electric Manifold 4 Val. D. 250

Pneumatic manifolds - 4 Valves

63	00747N	Pneumatic Manifold 4 Val. D. 63
75	00749N	Pneumatic Manifold 4 Val. D. 75
90	00754N	Pneumatic Manifold 4 Val. D. 90
110	00758N	Pneumatic Manifold 4 Val. D. 110
125	00763N	Pneumatic Manifold 4 Val. D. 125
140	00767N	Pneumatic Manifold 4 Val. D. 140
160	09205N	Pneumatic Manifold 4 Val. D. 160
200	09160N	Pneumatic Manifold 4 Val. D. 200
225	09164N	Pneumatic Manifold 4 Val. D. 225
250	26244N	Pneumatic Manifold 4 Val. D. 250

Manual Manifolds - 5 Valves

63	00769	Manual Manifold 5 Val. D. 63
75	00771	Manual Manifold 5 Val. D. 75
90	00776	Manual Manifold 5 Val. D. 90
110	00780	Manual Manifold 5 Val. D. 110
125	00785	Manual Manifold 5 Val. D. 125
140	00789	Manual Manifold 5 Val. D. 140
160	09177	Manual Manifold 5 Val. D. 160
200	09180	Manual Manifold 5 Val. D. 200
225	09185	Manual Manifold 5 Val. D. 225
250	19133	Manual Manifold 5 Val. D. 250

Electric Manifolds - 5 Valves

63	00769E	Electric Manifold 5 Val. D. 63
75	00771E	Electric Manifold 5 Val. D. 75
90	00776E	Electric Manifold 5 Val. D. 90
110	00780E	Electric Manifold 5 Val. D. 110
125	00785E	Electric Manifold 5 Val. D. 125
140	00789E	Electric Manifold 5 Val. D. 140
160	09177E	Electric Manifold 5 Val. D. 160
200	09180E	Electric Manifold 5 Val. D. 200
225	09185E	Electric Manifold 5 Val. D. 225
250	19133E	Electric Manifold 5 Val. D. 250

Pneumatic manifolds - 5 Valves

63	00769N	Pneumatic Manifold 5 Val. D. 63
75	00771N	Pneumatic Manifold 5 Val. D. 75
90	00776N	Pneumatic Manifold 5 Val. D. 90
110	00780N	Pneumatic Manifold 5 Val. D. 110
125	00785N	Pneumatic Manifold 5 Val. D. 125
140	00789N	Pneumatic Manifold 5 Val. D. 140
160	09177N	Pneumatic Manifold 5 Val. D. 160
200	09180N	Pneumatic Manifold 5 Val. D. 200
225	09185N	Pneumatic Manifold 5 Val. D. 225
250	19133N	Pneumatic Manifold 5 Val. D. 250

REGENERATIVE MEDIA FILTERS

FMR Regenerative media filters



FMR regenerative filters are based on a regenerative filtration system designed for efficient and sustainable water purification in public swimming pools. The water filtration system uses perlite as filter media, filtering capacity down to 1 micron and with a low water requirement for backwashing.

The FMR filters are composed of:

- Cylinder and inner collector body made of stainless steel AISI-316.
- Electric vibrator for regeneration.
- Vortex candle cleaning system. (NEW IN 2024)
- Perlite suction system.
- Pressure gauge panel to display the pressure.

Complementary options:

- MANUAL basic control panel.
- AUTOMATIC BYPASS basic control panel.
- Monitored control panel (PRO FMR CONTROL PANEL).
- Control panel monitored with VFD (PRO VFD FMR CONTROL PANEL).
- MANUAL bypass kit.
- AUTOMATIC bypass kit (allows regeneration without stopping recirculation).
- Bypass kit AUT. PRO (Non-stop regeneration of recirculation and sensor monitoring)

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
FMR FILTER AISI-316 HI450 D.90mm - 7,3m ² - 2,5KG	442101	-	-	-
FMR FILTER AISI-316 HI600 D.110mm - 14m ² - 5KG	442102	-	-	-
FMR FILTER AISI-316 HI600L D.125mm - 18m ² - 6KG	442103	-	-	-
FMR FILTER AISI-316 HI800 D.160mm - 25m ² - 9KG	442104	-	-	-
FMR FILTER AISI-316 HI800L D.200mm - 32m ² - 12KG	442105	-	-	-
FMR FILTER AISI-316 HI1000 D.225mm - 41m ² - 15KG	442106	-	-	-
FMR FILTER AISI-316 HI1000L D.250mm - 53m ² - 19KG	442107	-	-	-
FMR FILTER AISI-316 HI1200 D.250mm - 58m ² - 20KG	442108	-	-	-
FMR FILTER AISI-316 HI1200L D.315mm - 75m ² - 27KG	442109	-	-	-
FMR FILTER AISI-316 HI1400 D.315mm - 81m ² - 28KG	442110	-	-	-
FMR FILTER AISI-316 HI1400L D.315mm - 105m ² - 37KG	442111	-	-	-
FMR FILTER AISI-316 HI1600 D.315mm - 105m ² - 37KG	442112	-	-	-
FMR FILTER AISI-316 HI1600L D.400mm - 136m ² - 48KG	442113	-	-	-

MANUAL KIT BYPASS



The manual bypass allows any filter maintenance operation to be carried out without interrupting recirculation. It allows backwashing by manoeuvring the valves.

It is delivered assembled and glued with made-to-measure piping ready to be assembled with the filter.

The manual valve battery includes (KIT BYPASS MANUAL):

- Tees, flanges, tubing, screws and gaskets. And the assembly ready to assemble with the filter.
- 3 manual butterfly valves.
- Fittings for connection of inlet and outlet pressure gauges.
- Check valve inlet to filter.
- Valve battery support

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
KIT BYPASS MANUAL DN90, FMR HI450	452001	-	-	-
KIT BYPASS MANUAL DN110, FMR HI600	452002	-	-	-
KIT BYPASS MANUAL DN125, FMR HI600L	452003	-	-	-
KIT BYPASS MANUAL DN160, FMR HI800	452004	-	-	-
KIT BYPASS MANUAL DN200, FMR HI800L	452005	-	-	-
KIT BYPASS MANUAL DN225, FMR HI1000	452006	-	-	-
KIT BYPASS MANUAL DN250, FMR HI1000L	452007	-	-	-
KIT BYPASS MANUAL DN250, FMR HI1200	452008	-	-	-
KIT BYPASS MANUAL DN315, FMR HI1200L	452009	-	-	-
KIT BYPASS MANUAL DN315, FMR HI1400	452010	-	-	-
KIT BYPASS MANUAL DN315, FMR HI1400L	452011	-	-	-
KIT BYPASS MANUAL DN315, FMR HI1600	452012	-	-	-
KIT BYPASS MANUAL DN400, FMR HI1600L	452013	-	-	-

REGENERATIVE MEDIA FILTERS

AUTOMATIC KIT BYPASS



The automatic bypass allows any maintenance operation to be carried out on the filter without interrupting recirculation. It allows automatic backwashing.

When regenerating, it does not interrupt recirculation, as the bypass is activated automatically.

It is delivered assembled and glued with made-to-measure piping ready to be assembled with the filter.

The automatic valves have a pneumatic actuator, so an air compressor is required.

The automatic valve battery includes (BYPASS AUTOMATIC KIT):

- Tees, flanges, tubing, screws and gaskets.
- 3 automatic valves with pneumatic actuator and 24V solenoid.
- Fittings for connection of inlet and outlet pressure gauges.
- Check valve inlet to filter.
- Valve battery support

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
KIT BYPASS AUT NEUMATIC DN90, FMR HI-450	452101	-	-	-
KIT BYPASS AUTO NEUMATIC DN110, FMR HI-600	452102	-	-	-
KIT BYPASS AUTO NEUMATIC DN125, FMR HI-600L	452103	-	-	-
KIT BYPASS AUTO NEUMATIC DN160, FMR HI-800	452104	-	-	-
KIT BYPASS AUTO NEUMATIC DN200, FMR HI-800L	452105	-	-	-
KIT BYPASS AUTO NEUMATIC DN225, FMR HI-1000	452106	-	-	-
KIT BYPASS AUTO NEUMATIC DN250, FMR HI-1000L	452107	-	-	-
KIT BYPASS AUTO NEUMATIC DN250, FMR HI-1200	452108	-	-	-
KIT BYPASS AUTO NEUMATIC DN315, FMR HI-1200L	452108	-	-	-
KIT BYPASS AUTO NEUMATIC DN315, FMR HI-1400	452110	-	-	-
KIT BYPASS AUTO NEUMATIC DN315, FMR HI-1400L	452111	-	-	-
KIT BYPASS AUTO NEUMATIC DN315, FMR HI-1600	452112	-	-	-
KIT BYPASS AUTO NEUMATIC DN400, FMR HI-1600L	452113	-	-	-

AUTOMATIC PRO KIT BYPASS



(Based on BYPASS AUT KIT, including pressure sensors and recirculation flow sensor for PRO FMR CONTROL PANEL).

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
KIT BYPASS PRO AUT NEUM DN90, FMR HI-450	452201	-	-	-
KIT BYPASS PRO AUT NEUM DN110, FMR HI-600	452202	-	-	-
KIT BYPASS PRO AUT NEUM DN125, FMR HI-600L	452203	-	-	-
KIT BYPASS PRO AUT NEUM DN160, FMR HI-800	452204	-	-	-
KIT BYPASS PRO AUT NEUM DN200, FMR HI-800L	452205	-	-	-
KIT BYPASS PRO AUT NEUM DN225, FMR HI-1000	452206	-	-	-
KIT BYPASS PRO AUT NEUM DN250, FMR HI-1000L	452207	-	-	-
KIT BYPASS PRO AUT NEUM DN250, FMR HI-1200	452208	-	-	-
KIT BYPASS PRO AUT NEUM DN315, FMR HI-1200L	452209	-	-	-
KIT BYPASS PRO AUT NEUM DN315, FMR HI-1400	452210	-	-	-
KIT BYPASS PRO AUT NEUM DN315, FMR HI-1400L	452211	-	-	-
KIT BYPASS PRO AUT NEUM DN315, FMR HI-1600	452212	-	-	-
KIT BYPASS PRO AUT NEUM DN400, FMR HI-1600L	452213	-	-	-

REGENERATIVE MEDIA FILTERS

BASIC FMR CONTROL PANEL



The filter regeneration control panel BASIC FMR CONTROL PANEL consists of a basic control panel and PLC for automatic filter regeneration.

Manual model: The filter regeneration is pre-programmed every 4 hours. At the moment of regeneration, the recirculation of the pool will be automatically interrupted for the pre-programmed 10 minutes.

The basic manual panel includes:

- Cabinet mounted (panel).
- Selectors, pushbuttons and operation indicator lights.
- Automaton for regeneration control and filter management.
- Relay for interrupting the pumps of the external pump panel.

Automatic model: Filter regeneration is pre-programmed every 4 hours. At the time of regeneration, it will automatically activate the automatic bypass (essential element not included) and will not interrupt the recirculation of the pool for the pre-programmed 10 minutes.

The basic automatic panel includes:

- Cabinet mounted (panel).
- Selectors, pushbuttons and operation indicator lights.
- Automaton for regeneration control and filter management.
- Relay to act on the automatic bypass.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
MANUAL BASIC CONTROL PANEL	461001	-	-	-
AUTOMATIC BYPASS BASIC CONTROL PANEL	461101	-	-	-



PRO FMR CONTROL PANEL -

Filter control and monitoring peripherals



The PRO FMR CONTROL PANEL filter regeneration control panel consists of a PLC control unit with touch screen and analogue and digital inputs and outputs. It can be connected via ethernet or wifi for remote access. It controls the regeneration and management of the filter in a fully automatic way.

PRO model: Filter regeneration is pre-programmed every 4 hours. At the time of regeneration, it will automatically activate the automatic bypass (essential element not included) and will not interrupt the recirculation of the pool during the pre-programmed 10 minutes.

The PRO panel includes:

- Assembled panel (panel).
- Ventilation system.
- Pump selectors and emergency stop button.
- Control PLC for the management of the complete purification system.
- Automatic bypass control
- Protection and programming of treatment and recirculation/filtration pumps.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
WPP-CTRL-0200	461201	-	-	-

REGENERATIVE MEDIA FILTERS

PRO VFD FMR CONTROL PANEL -

Filter control, monitoring peripherals with drives



The PRO VFD FMR CONTROL PANEL filter regeneration control panel consists of a PLC control unit with touch screen and analogue and digital input and outputs. It can be connected via ethernet or wifi for remote access. It controls the regeneration and management of the filter in a fully automatic way. It includes a bather user management system that regulates the speed of the filtration pumps through the frequency variators, depending on the number of users in real time.

PRO-VDF model: Filter regeneration is pre-programmed every 4 hours. At the time of regeneration, it automatically activates the automatic bypass (essential element not included) and does not interrupt the recirculation of the pool for the pre-programmed 10 minutes. It manages the speed of the pumps with the frequency variators (included).

The PRO panel includes:

- Assembled panel (panel).
- Ventilation system.
- Pump selectors and emergency stop button.
- Control PLC for the management of the complete purification system.
- Automatic bypass control
- Protection and programming of treatment and recirculation/filtration pumps.
- Frequency inverters for recirculation/filtration pumps.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
PRO VFD CONTROL PANEL / 1x PUMP <4KW	461301	-	-	-
PRO VFD CONTROL PANEL / 1x PUMP 4-15KW	461302	-	-	-
PRO VFD CONTROL PANEL / 2x PUMPS <4KW	461303	-	-	-
PRO VFD CONTROL PANEL / 2x PUMPS 4-15KW	461304	-	-	-
PRO VFD CONTROL PANEL / 3x PUMPS <4KW	461305	-	-	-
PRO VFD CONTROL PANEL / 3x PUMPS 4-15KW	461306	-	-	-
PRO VFD CONTROL PANEL / 4x PUMPS <4KW	461307	-	-	-
PRO VFD CONTROL PANEL / 4x PUMPS 4-15KW	461308	-	-	-
PRO VFD CONTROL PANEL / 5x PUMPS <4KW	461309	-	-	-
PRO VFD CONTROL PANEL / 5x PUMPS 4-15KW	461310	-	-	-

REGENERATIVE MEDIA FILTERS

AUTOMATIC PURGE KIT



SET OF ELEMENTS TO PURGE BY CONDUCTIVITY.

The purge kit allows the water quality to be maintained without exceeding the concentration defined in the setpoint of the PRO panel.

It is installed between the pump and filter, preferably connected to the bypass The kit consists of:

- Double inlet collar, assembled with 50cm PVC pipe
- Motorised PVC valve
- Conductivity graft probe with cable

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
KIT AUTOMATIC PURGE DN-90-1" 24-240V II 50Hz	471001	-	-	-
KIT AUTOMATIC PURGE DN-110-1" 24-240V II 50Hz	471002	-	-	-
KIT AUTOMATIC PURGE DN-125-1" 24-240V II 50Hz	471003	-	-	-
KIT AUTOMATIC PURGE DN-160-1" 24-240V II 50Hz	471004	-	-	-
KIT AUTOMATIC PURGE DN-200-1 ½ " 24-240V II 50Hz	471005	-	-	-
KIT AUTOMATIC PURGE DN-250-1 ½ " 24-240V II 50Hz	471006	-	-	-
KIT AUTOMATIC PURGE DN-312-2" 24-240V II 50Hz	471007	-	-	-
KIT AUTOMATIC PURGE DN-400-2" 24-240V II 50Hz	471008	-	-	-

BALANCE TANK CONTROL KIT



The tank control kit enables automatic filling of the compensation tank, sends signals to stop the pumps in the event of minimum water level and overflow alarm. And it transmits the flow rate by sensor.

It provides the information to the PRO and PRO-VFD panel.

It is installed in the mains pipe that feeds the compensation tank and the probe is immersed in the water of the compensation tank.

The kit consists of:

- Manifold mounted with 50cm of 63mm PVC pipe.
- 2" metal valve
- 5-24V graft-on flow sensor with collar on mounted manifold pipe.
- 2" metal solenoid valve
- Submersible level transmitter 4-20mA

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
BALANCE TANK CONTROL KIT 2"	472001	-	-	-



REGENERATIVE MEDIA PERLITE



Regenerative filter media composed of selected and processed Perlite for filter filtration.
Paper sacks of 13kg (60lts)

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
PERLITE MEDIA FILTER (60lts) 13 KG.	40001		13	0,06

REGENERATIVE MEDIA FILTERS

FMR PRODUCT SELECTION

ASTRALPOOL



FMR REGENERATIVE
MEDIA FILTER

+



MANUAL KIT BYPASS

+



MANUAL BASIC
CONTROL PANEL



AUTOMATIC KIT BYPASS

+



AUTOMATIC BYPASS
BASIC CONTROL
PANEL



AUTOMATIC KIT BYPASS
(with pressure and flow
sensors)

+



PRO CONTROL
PANEL



PRO VFD
CONTROL PANEL



POOLS

PUMPS

172 VARIABLE SPEED PUMPS

172 Victoria Plus Silent VS

173 SELF-PRIMING PUMPS

173 Victoria Plus Silent

174 Kivu

175 CENTRIFUGAL PUMPS

175 Maxim

176 Colorado with prefilter

177 Colorado without prefilter

178 Kivu

179 Aral Plus C-3000

181 Aral Plus C-1500

183 STRAINERS

183 Strainer in polypropylene and fibreglass

183 Strainer in polyester and fibreglass 33 l capacity

183 Strainer in polyester and fibreglass 60 l capacity

184 Strainer in polyester and fibreglass with sight glass lid 33 l capacity

184 Strainer in polyester and fibreglass with sight glass lid 60 l capacity

185 Kivu strainers

185 Astramax strainers

185 Aral Plus strainers

186 Strainers in stainless steel

187 VALVES AND HOSES

187 Check valves

187 Vibration absorbent brushing

188 AIR BLOWERS

188 Air blowers

ASTRALPOOL PUMPS

EXCELLENCE AT THE HEART OF POOLS

At AstralPool, we don't just strive for good performance or innovative products but for the highest quality & reliability. Because what really makes the difference in the world of pumps is that everything goes the right way, as pumps are the heart of the pool.

And the only way to achieve this is through excellence every step of the way, from conceptualization to industrialization.

RELIABILITY IN DESIGN AND MANUFACTURING

A 30-YEAR-OLD EXPERTISE

At AstralPool, we have more than 30 years of experience designing, manufacturing, and supervising every aspect of the whole process in-house.

With **our 5 worldwide R&D centers** and **factories in Europe**, we are giving the best of ourselves to produce high-quality pumps as our customers deserve nothing but the best.

Our expertise has led us to become one of the market leaders, **more than 0.5 million pumps delivered annually** to the pool industry.

EUROPEAN ENGINEERING & MANUFACTURING

We use the latest technologies such as computer-aided design and engineering (CAD/CAE), flow and mechanical simulations (CFD/FEA) to deliver **high-performing, reliable and efficient pumps**.

Our more than a year long prototyping and industrialization processes, in which everything is adjusted to its detail, piece by piece, mould by mould, assure us that **all products are equally perfect**.

During all the processes, we ensure that the quality of our pumps meets our expectations. This is why we develop **with more than 500 R&D tests** and more than **200 endurance tests annually**. Additionally, **we test 100% of our pumps** produced in our own factory under the quality certification of ISO 9001.

BEST IN CLASS SERVICE

Our dedicated team is here to offer an **efficient & close service** to support our customers during the whole journey through a committed sales team, detailed product training, wide logistic network and all the organization focused on customer satisfaction.

Thanks to our more than **100 Fluidra Pro centers** and direct presence in more than 35 countries, we are committed to bringing **proximity, service, and flexibility**.

Want to know more about AstralPool pumps? Check our video by flashing this QR code.



A WIDE RANGE TO MEET EVERY NEED

ASTRALPOOL 

MAXIM

KIVU

ARAL PLUS

A UNIQUE TRACK RECORD

Many emblematic institutions around the world have trusted us for their pumps. We provide pumps for all kind of installations: swimming pools, aquariums, wellness, spas, fountains and lagoons.

PUMPS


ASIAN GAMES — INDONESIA

NEWCASTLE GREAT EXHIBITION OF THE NORTH — UNITED KINGDOM

AQUATICUM WATER PARK — HUNGARY

VARIABLE SPEED PUMPS

VICTORIA PLUS

SILENT VS

ASTRALPOOL


Fluidra Connect compatible

Installation and control:



HMI control system on pump



HMI control system on wall

VICTORIA PLUS SILENT VS

The Victoria Plus Silent pump for residential pools comes with two motor powers, has variable speeds and can be automatically controlled.

This pump has been designed for both new-build pools and as a replacement for pumps already fitted.

Significant power savings can be made thanks to the use of variable speeds and the timer.

The pump is compatible with the Fluidra Connect platform.

It has a built-in HMI controller with the possibility of mounting it on a wall for better usability.

Bathers experience a greater feeling of well-being due to the reduced noise level.

There are digital inputs and outputs for the smooth running of all pool units, such as the salt chlorinator and heat pump. It includes a power factor correction function for reducing current flow. It does not require an external power pack for Fluidra Connect.

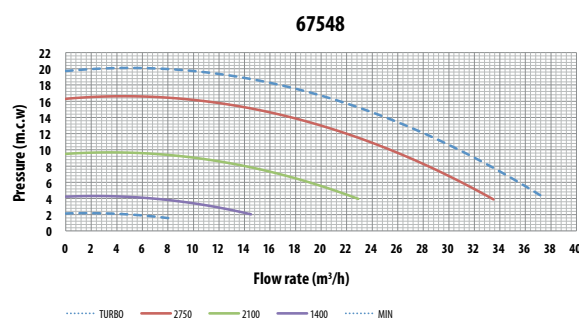
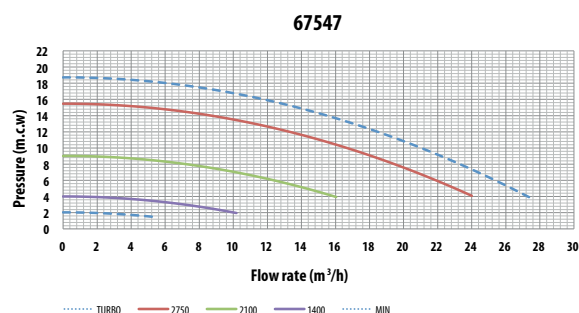
- Excellence in energy savings
- High comfort
- Optimized filtration quality

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Victoria Plus Silent VS 100	67547	1	19	0.087
Victoria Plus Silent VS 200	67548	1	22	0.087

TECHNICAL FEATURES

	67547			67548		
	LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH
Speed (rpm)	1400	2100	2750	1400	2100	2750
Voltage (V)	220-240	220-240	220-240	220-240	220-240	220-240
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Power (W)	170	470	1030	258	750	1560
Current (A)	1	2.2	4.5	1.4	3.4	7.1
Flow rate (m ³ /h)	8.2	12.4	16.7	11.1	18.8	25.5
Pressure (m)	2.7	6.1	10	3.2	6.2	10
Efficiency (l/Wh)	48.3	26.4	16.2	43	25	16.3
Max. working pressure (m)	4	9	15.5	4	9.4	16.3
Noise (dB)	45	53	61	51	58	66

PERFORMANCE



Menu-driven adjustments and settings



Intuitive weekly timer settings



Pre-set and adjustable speeds



Power consumption and savings display

SELF-PRIMING PUMPS

ASTRALPOOL

VICTORIA PLUS SILENT



A self-priming pump with single-phase and three-phase motors. A prefilter is mounted on the body of the pump to prevent foreign bodies from entering it that may damage its hydraulic parts. The motors supplied come with an IP-55 protection rating and have been prepared to withstand hot environments and high levels of humidity. GS marking. The main characteristics of Victoria Plus Silent are:

- Low noise level: between 61 dB and 70 dB.
- Easy to use: Prefilter cap with 2 levers included (no spanner needed).
- Compatibility: Fully compatible in pools fitted with a Victoria Plus pump.
- Larger front bearing for improved axial thrust.
- PVC accessories assembly included in pump.

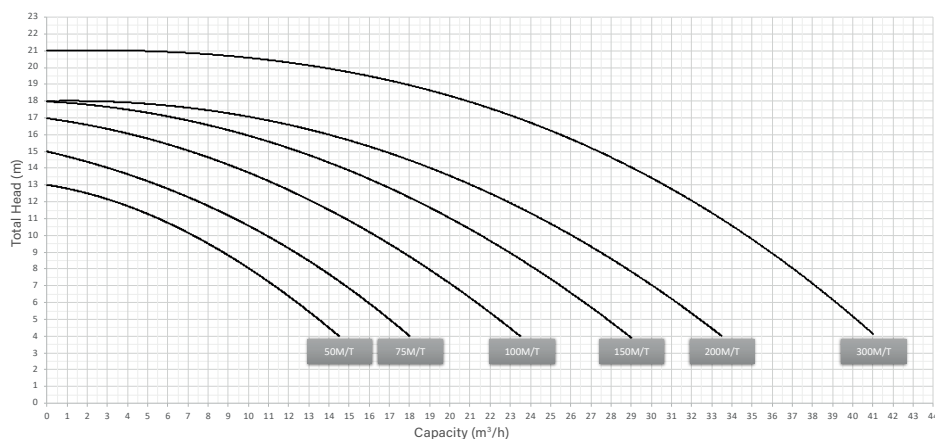
	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Victoria Plus Silent 50M	65557	1	12	0.07
Victoria Plus Silent 50T	65558	1	12	0.07
Victoria Plus Silent 75M	65560	1	13	0.07
Victoria Plus Silent 75T	65561	1	13	0.07
Victoria Plus Silent 100M	65562	1	14	0.07
Victoria Plus Silent 100T	65563	1	14	0.07
Victoria Plus Silent 150M	65564	1	17	0.07
Victoria Plus Silent 150T	65565	1	17	0.07
Victoria Plus Silent 200M	65566	1	18	0.07
Victoria Plus Silent 200T	65567	1	19	0.07
Victoria Plus Silent 300M	65569	1	23	0.07
Victoria Plus Silent 300T	65570	1	19	0.07

TECHNICAL FEATURES

REF	MODEL	Voltage	Flow at H _N	Nominal Head	Maximum Head	Maximum Flow	Motor Rated Output	Maximum Absorbed Power	Pipe Size
		U _N	Q _N	H _N	H _{MAX.}	Q _{MAX.}	P _{2N}	P _{IMAX}	D
		V	m ³ /h	m	m	m ³ /h	kW	kW	mm
65557	50M	230	7.5	10	13	14.5	0.38	0.58	D50
65558	50T	230/400	7.5	10	13	14.5	0.38	0.55	D50
65560	75M	230	11	10	15	18	0.56	0.72	D50
65561	75T	230/400	11	10	14	18	0.56	0.72	D50
65562	100M	230	16	10	17	23.5	0.75	0.98	D50
65563	100T	230/400	16	10	17	23.5	0.75	1.02	D50
65564	150M	230	21.5	10	18	29	1.12	1.40	D63
65565	150T	230/400	21.5	10	18	29	1.12	1.40	D63
65566	200M	230	26	10	18	33.5	1.49	1.80	D63
65567	200T	230/400	26	10	18	33.5	1.49	1.80	D63
65569	300M	230	35	10	21	41	2.24	2.59	D75
65570	300T	230/400	35	10	21	41	2.24	2.40	D75

Maximum flow at Head of 4 m.c.w.

PERFORMANCE



SELF-PRIMING PUMPS

ASTRALPOOL 

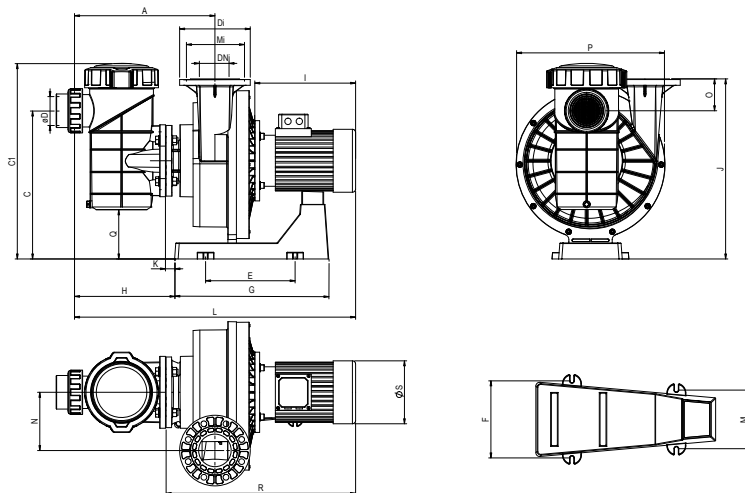
Optional:
60 Hz pumps (code
XXXX-0810).

KIVU

High performance plastic self-priming pump for high flow rates (1500 rpm).

- 3 power modes: 3 HP, 4 HP and 5.5 HP.
- Low sound level: as low as 59 dBA.
- Hydraulic efficiency without prefilter 78% (as per ISO 9906 standard).
- High quality mechanical seal for salt water.
- IEC high efficiency motors (IE3).
- Standard motor shaft (compatibility with any pump manufacturer).
- Pump comes with pre-filter (in 2 packages: pump + prefilter).

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Kivu 3 HP 230/400V 50Hz + prefilter	66047	1	56.4	0.35
Kivu 3 HP 400/690V 50Hz + prefilter	63042	1	56.4	0.35
Kivu 4 HP 230/400V 50Hz + prefilter	66048	1	59.4	0.35
Kivu 4 HP 400/690V 50Hz + prefilter	63043	1	59.4	0.35
Kivu 5.5 HP 230/400V 50Hz + prefilter	66049	1	66.4	0.35
Kivu 5.5 HP 400/690V 50Hz + prefilter	63044	1	66.4	0.35

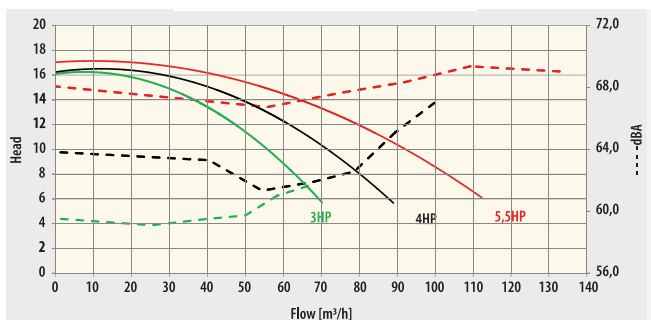


TECHNICAL FEATURES

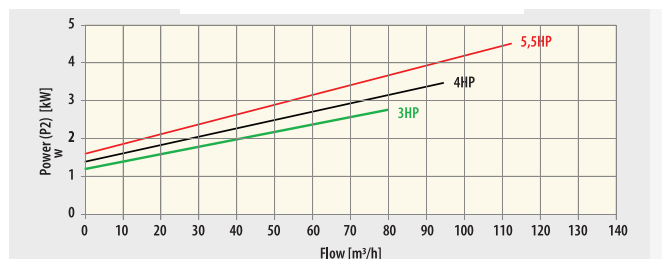
Code	Power	A	D	DI	DNi	C	CI	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	Ma	Mi
	HP	mm																					
63042 66047	3	440	90	220	100 - 4"	462	610	279	206	480	313	320	561	29.5	882	157	181.5	100	460	154	590	-	180
63043 66048	4	440	90	220	100 - 4"	462	610	279	206	480	313	320	561	29.5	882	157	181.5	100	460	154	590	-	180
63044 66049	5.5	440	90	220	100 - 4"	462	610	279	206	480	313	345	561	156	906	157	181.5	100	460	154	621	-	180

PERFORMANCE CURVES WITHOUT PREFILTER

Pressure/Flow rate



Power/Flow rate



CENTRIFUGAL PUMPS

MAXIM

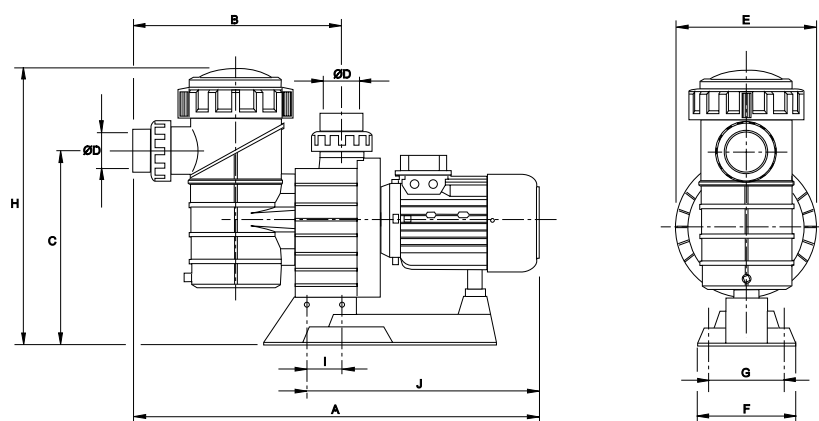
ASTRALPOOL



Optional:
60 Hz pumps
(code XXXX-0810).

Pump body and supports in plastic, AISI-316 stainless steel motor shaft with double insulation. Motor has IP-55 protection rating. Prefilter basket with a capacity of 8 litres. Transparent prefilter lid.

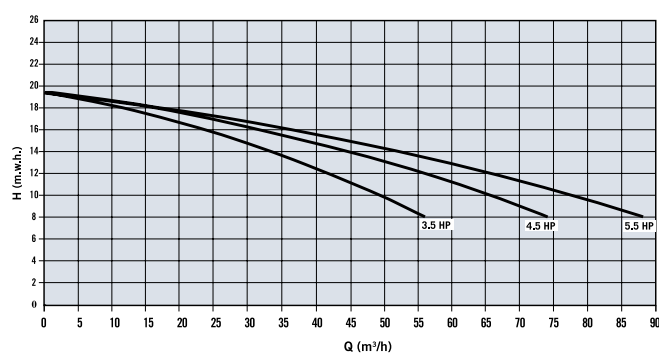
	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Maxim 3.5 HP	08003	1	32	0.184
Maxim 4.5 HP	08004	1	34	0.184
Maxim 5.5 HP	08005	1	37	0.184



TECHNICAL FEATURES

Code		Power		Connection		Voltage		mwc					
								8	10	12	14	16	19.5
								m³/h					
08003		3.5 HP		3" threaded joint		230/400 V III		56	50	42	34	23	0
08004		4.5 HP				230/400 V III		74	66	57	46	30	0
08005		5.5 HP				230/400 V III		88	78	67	53	34	0
Model	Type	Voltage	A mm	B mm	C mm	Ø D mm	E mm	F mm	G mm	H mm	I mm	J mm	
08003	3.5	230/400	815	430	385	90	287	200	140	530	65	468	
08004	4.5	230/400	815	430	385	90	287	200	140	530	65	468	
08005	5.5	230/400	847	430	385	90	287	200	140	530	65	500	

PERFORMANCE CURVES



CENTRIFUGAL PUMPS



COLORADO with prefilter

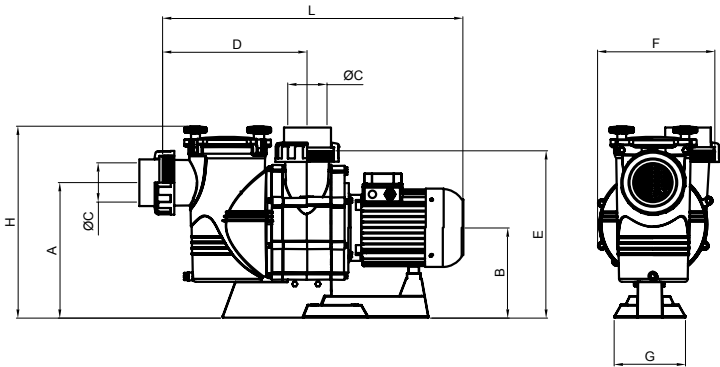


3000 rpm plastic centrifugal electric pumps with prefilter for pools, perfect for large, low-pressure flow rates. Prefilter with transparent lid and wishbone closure; easy access. Pump bodies and prefilter manufactured in fibreglass-reinforced polypropylene. Plastic turbine. Pump shaft and prefilter basket in stainless steel. IE2 motors with 3000 rpm IP-55 protection at 230/400 V or 400/690 V and 50 Hz. From 4 HP to 12.5 HP.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
4 HP. 230/400 V	44706-120	1	56	0.252
5.5 HP. 230/400 V	44707-120	1	56	0.252
7.5 HP. 230/400 V	44708-120	1	57	0.252
7.5 HP. 400/690 V	44709-120	1	57	0.252
10 HP. 230/400 V	44710-120	1	68	0.252
10 HP. 400/690 V	44711-120	1	68	0.252
12.5 HP. 230/400 V	44712-120	1	72	0.252
12.5 HP. 400/690 V	44713-120	1	72	0.252

Possibility of placing orders with the following variations:

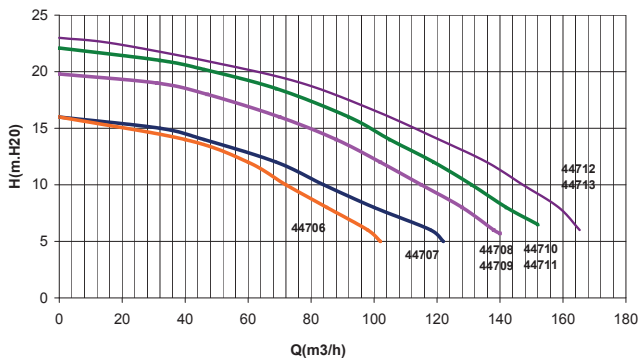
- bronze turbine
- stainless steel turbine (AISI 316-L).
- Viton mechanical seals.



TECHNICAL FEATURES

Code	VOLTAGE (V)	Power		Dimensions (mm)								
		kW	HP	A	B	ØC	D	E	F	G	H	L
44706-120	230/400	2.9	4	375	255	90	405	470	330	200	535	820
44707-120	230/400	4	5.5	375	255	110	405	470	330	200	535	840
44708-120	230/400	5.5	7.5	375	255	110	405	470	330	200	535	840
44709-120	400/690											
44710-120	230/400	7.4	10	375	255	110	405	470	330	200	535	910
44711-120	400/690											
44712-120	230/400	9.2	12.5	375	255	110	405	470	330	200	535	955
44713-120	400/690											

PERFORMANCE CURVES



CENTRIFUGAL PUMPS

ASTRALPOOL 

COLORADO without prefilter

3000 rpm plastic centrifugal electric pumps with no prefilter for pools, perfect for large, low-pressure flow rates. Pump bodies manufactured in fibreglass-reinforced polypropylene. Plastic turbine. Stainless steel pump shaft. IE2 motors with 3000 rpm IP-55 protection at 230/400 V or 400/690 V and 50Hz. From 7.5 HP to 12.5 HP.

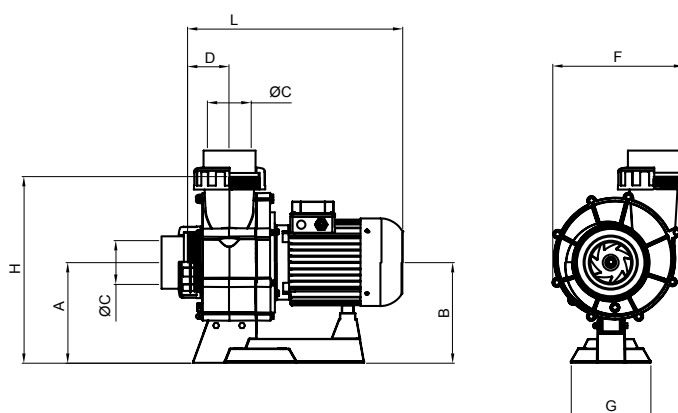


	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
4 HP. 230/400 V	44714-120	1	39	0.166
4 HP. 230/400 V	44715-120	1	44	0.166
7.5 HP. 230/400 V	44716-120	1	50	0.166
7.5 HP. 400/690 V	44717-120	1	50	0.166
10 HP. 230/400 V	44718-120	1	61	0.166
10 HP. 400/690 V	44719-120	1	61	0.166
12.5 HP. 230/400 V	44720-120	1	65	0.166
12.5 HP. 400/690 V	44721-120	1	65	0.166

Possibility of placing orders with the following variations:

- bronze turbine
- stainless steel turbine (AISI 316-L).
- Viton mechanical seals.

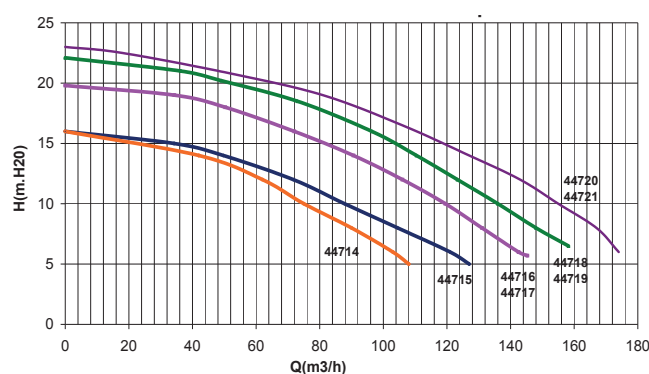
Available in power modes from 4 to 12.5 HP.



TECHNICAL FEATURES

Code	VOLTAGE (V)	Power		Dimensions (mm)							
		kW	HP	A	B	ØC	D	F	G	H	L
44714-120	230/400	2.9	4	255	255	90	105	330	200	470	510
44715-120	230/400	4	5.5	355	355	110	105	330	200	470	530
44716-120	230/400	5.5	7.5	255	255	110	105	330	200	470	530
44717-120	400/690										
44718-120	230/400	7.4	10	255	255	110	105	330	200	470	600
44719-120	400/690										
44720-120	230/400	9.2	12.5	255	255	110	105	330	200	470	645
44721-120	400/690										

PERFORMANCE CURVES



CENTRIFUGAL PUMPS

ASTRALPOOL 

KIVU

High performance plastic centrifugal pump for public pools that works at 1500 rpm.

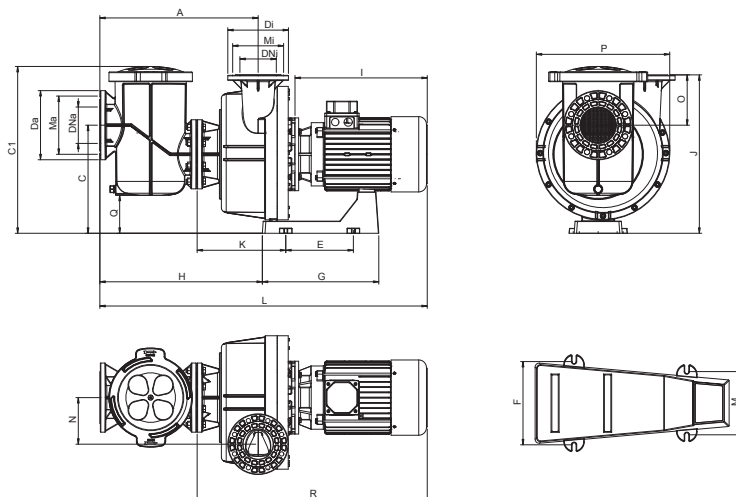
- 3 power modes: 7.5 HP, 10 HP and 15 HP.
- Low sound level: as low as 66 dBA.
- Hydraulic efficiency without prefilter 85% (9906 ISO standard).
- High quality mechanical seal for salt water.
- IEC high efficiency motors (IE3).
- Standard motor shaft (compatibility with any pump manufacturer).
- Product with GS marking.
- Pump comes with pre-filter (in 2 packages: pump + prefilter).



Kivu Pump

Kivu pump
Side view

Optional:
60 Hz pumps
(code XXXX-0810).

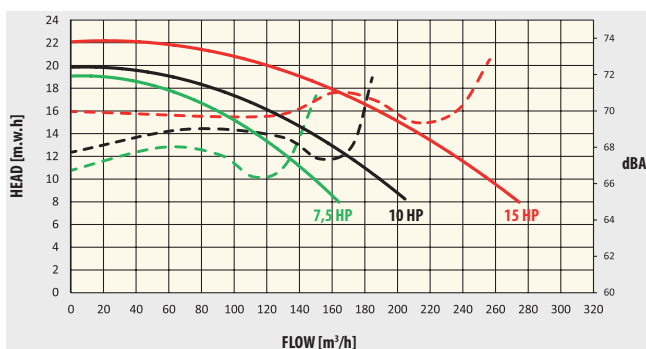


TECHNICAL FEATURES

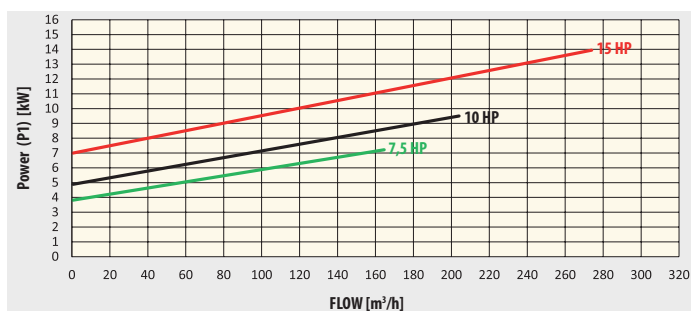
Code	Power	A	DA	DI	DNA	DNi	C	C1	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	Ma	Mi
	HP	mm																						
56633 56634	7.5	653	285	250	150 - 6"	125 - 5"	446	688	279	206	290	540	410	653	141	1215	157	192	208	550	157	815	240	210
56635 56637	10	653	285	250	150 - 6"	125 - 5"	446	688	279	206	290	540	445	653	141	1250	157	192	208	550	157	850	240	210
56638 56639	15	653	285	250	150 - 6"	125 - 5"	446	688	279	206	290	670	510	653	271	1315	157	192	208	550	157	915	240	210

PERFORMANCE CURVES WITHOUT PREFILTER

Pressure/Flow rate



Power/Flow rate



CENTRIFUGAL PUMPS



ARAL PLUS C-3000

ASTRALPOOL

NEW
2024

The pump series ARAL PLUS C-3000 made in cast iron and it specifically designed for public pools. Featuring a standard 2-pole motor design that operates at 3000rpm, up to 12,5HP.

The impeller made in bronze and all components in contact with water undergo a cataphoresis treatment, significantly extending the lifespan of the cast iron by providing a robust barrier against corrosion and oxidation, ensuring durability and sustained performance over time.

- IP55
- Standard motor (EN IEC 60034-7)
- Cataphoresis treatment
- Flow rate: up to 180 m³/h
- Power rate: from 3HP a 12,5HP
- Motor: 50Hz/3000 rpm. Available also at 60Hz (code XXXX-0810)

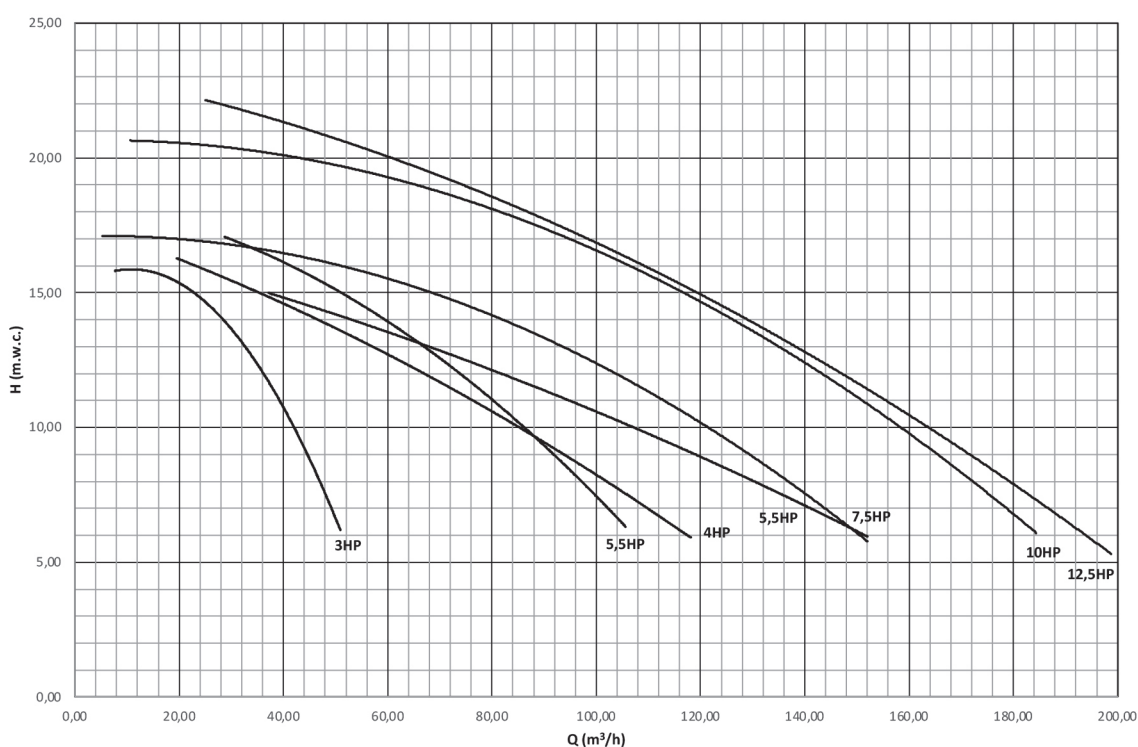
MATERIALS

- Pump housing: Cast iron
- Shaft: Stainless steel AISI 316L
- Impeller: Bronze
- Mechanical Seal: Carbon + Ceramics
- Screws: Stainless steel AISI 304
- Pre-filter basket: AISI 304

Optional:
60 Hz pumps
(code XXXXX-0810)

More technical
specifications on the
next page

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
ARAL PLUS C-3000 3HP 230/400 50Hz	76917	1	55	0,172
ARAL PLUS C-3000 4HP 230/400 50Hz	76918	1	68	0,172
ARAL PLUS C-3000 4HP 400/690 50Hz	76919	1	68	0,172
ARAL PLUS C-3000 5,5HP DN100-100 230/400 50Hz	76920	1	77	0,206
ARAL PLUS C-3000 5,5HP DN100-100 400/690 50Hz	76921	1	77	0,206
ARAL PLUS C-3000 5,5HP DN125-100 230/400 50Hz	76922	1	90	0,206
ARAL PLUS C-3000 5,5HP DN125-100 400/690 50Hz	76923	1	90	0,206
ARAL PLUS C-3000 7,5HP 230/400 50Hz	76924	1	99	0,206
ARAL PLUS C-3000 7,5HP 400/690 50Hz	76925	1	99	0,206
ARAL PLUS C-3000 10HP 400/690 50Hz	76926	1	104	0,206
ARAL PLUS C-3000 12,5HP 400/690 50Hz	76927	1	113	0,206



CENTRIFUGAL PUMPS

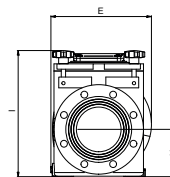
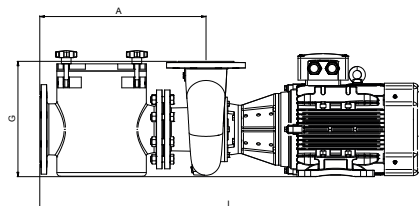
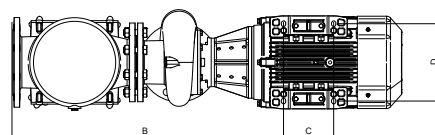
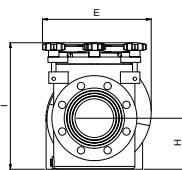
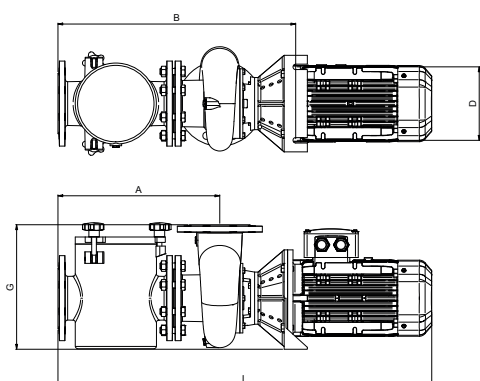
ARAL PLUS C-3000



TECHNICAL FEATURES

76917 / 76918 / 76919 / 76920 / 76921 / 76922 / 76923

76924 / 76925 / 76926 / 76927



Code	Power			Suction Connection	Delivery Connection	mwc								
						6	8	10	12	14	16	18	20	22
						m³/h								
		A	A											
76917	2.20 kW (3 HP)	7,6	4,3	80	3" BSP	51	47	42	38	27	8	-	-	-
76918	3 kW (4 HP)	9,9	5,7	100	100	118	105	85,8	70	49	20	-	-	-
76919	3 kW (4 HP)	5,7	3,3	100	100	118	105	85,8	70	49	20	-	-	-
76920	4.00 kW (5.5 HP)	13,0	7,4	100	100	106	99	85	76	58	41	-	-	-
76921	4.00 kW (5.5 HP)	7,4	4,3	100	100	106	99	85	76	58	41	-	-	-
76922	4.00 kW (5.5 HP)	13,0	7,4	125	100	152	130	110	81	55	-	-	-	-
76923	4.00 kW (5.5 HP)	7,4	4,3	125	100	152	130	110	81	55	-	-	-	-
76924	5.5 kW (7.5 HP)	17,6	10,1	125	100	152	136	123	106	81	55	5	-	-
76925	5.5 kW (7.5 HP)	10,1	5,9	125	100	152	136	123	106	81	55	5	-	-
76926	7.5 kW (10 HP)	13,5	7,8	125	100	185	172	158	143	126	106	82	43	-
76927	9.2 kW (12,5 HP)	16,6	9,6	125	100	194	179	163	147	129	109	87	61	26

Code	Suction Connection	Delivery Connection	Dimensions (mm)								
			A	B	C	D	E	G	H	I	L
76917	80	3" BSP	382	555	-	140	268	263	132	327	857
76918	100	100	419	616	-	190	281	322	132	327	968
76919	100	100	419	616	-	190	281	322	132	327	996
76920	100	100	419	616	-	190	281	322	132	327	996
76921	100	100	419	616	-	190	281	322	132	327	996
76922	125	100	464	661	-	190	281	322	132	352	1041
76923	125	100	464	661	-	190	281	322	132	352	1041
76924	125	100	464	756	140	216	281	322	132	352	1086
76925	125	100	464	756	140	216	281	322	132	352	1086
76926	125	100	464	756	140	216	281	322	132	352	1086
76927	125	100	464	756	178	216	281	322	132	352	1108

CENTRIFUGAL PUMPS

ASTRALPOOL

NEW
2024

ARAL PLUS C-1500

The ARAL PLUS C-1500 made in cast iron and it specifically designed for public pools. Its four-poles, 1.450rpm, design motor up to 25HP, is meticulously crafted for high-performance, offering large flows optimal for substantial pools while maintaining low level of noise during its operation.

All components in contact with water undergo a cataphoresis treatment, significantly extending the lifespan of the cast iron by providing a robust barrier against corrosion and oxidation, ensuring durability and sustained performance over time.

Also available with bronze impeller.

- IP55
- Standard motor (EN IEC 60034-7)
- Cataphoresis treatment
- Flow rate: up to 340 m³/h
- Power rate: from 3HP a 25HP
- Motor: 50Hz/1450 rpm. Available also at 60Hz (code XXXX-0810)

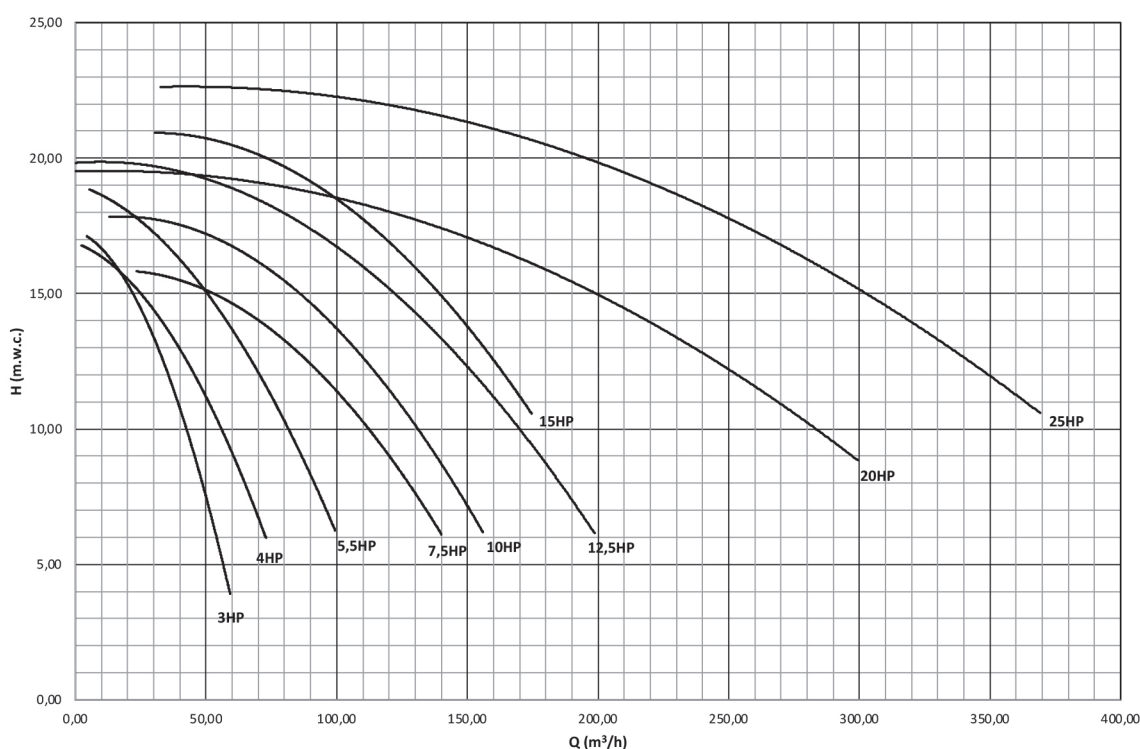
MATERIALS

- Pump housing: Cast iron
- Shaft: Stainless steel AISI 316L
- Impeller: Cast iron (also available with bronze impeller)
- Mechanical Seal: Carbon + Ceramics
- Screws: Stainless steel AISI 304
- Pre-filter basket: AISI 304

Optional:
60 Hz pumps
(code XXXXX-0810)

More technical
specifications on the
next page

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
ARAL PLUS C-1500 3HP 230/400 50Hz	76905	1	89	0,244
ARAL PLUS C-1500 4HP 230/400 50Hz	76906	1	103	0,327
ARAL PLUS C-1500 4HP 400/690 50Hz	76907	1	103	0,327
ARAL PLUS C-1500 5,5HP 230/400 50Hz	76908	1	111	0,327
ARAL PLUS C-1500 5,5HP 400/690 50Hz	76909	1	111	0,327
ARAL PLUS C-1500 7,5HP 230/400 50Hz	76910	1	143	0,327
ARAL PLUS C-1500 7,5HP 400/690 50Hz	76911	1	143	0,327
ARAL PLUS C-1500 10HP 400/690 50Hz	76912	1	153	0,461
ARAL PLUS C-1500 12,5HP 400/690 50Hz	76913	1	213	0,461
ARAL PLUS C-1500 15HP 400/690 50Hz	76914	1	243	0,471
ARAL PLUS C-1500 20HP 400/690 50Hz	76915	1	298	0,550
ARAL PLUS C-1500 25HP 400/690 50Hz	76916	1	314	0,550

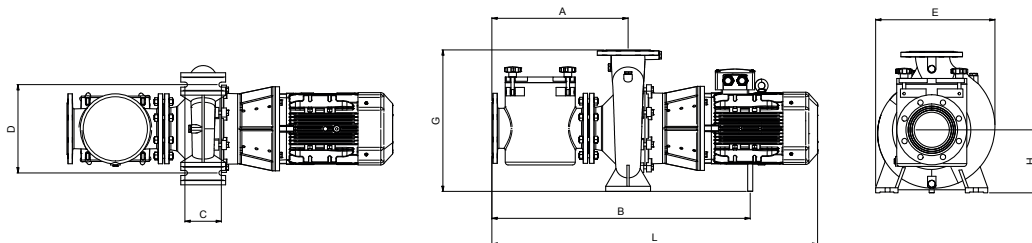


CENTRIFUGAL PUMPS

ARAL PLUS C-1500

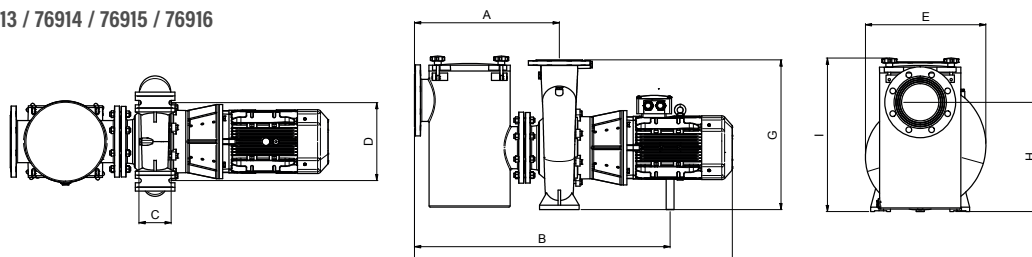
TECHNICAL FEATURES

76905 / 76906 / 76907 / 76908 / 76909 / 76910 / 76911 / 76912



Code	Power			Suction Connection	Delivery Connection	mwc								
						6	8	10	12	14	16	18	20	22
						m³/h								
		A	A											
76905	2.20 kW (3 HP)	7.9	4,5	100	50	54	48	42	36	28	17	-	-	-
76906	3 kW (4 HP)	10.5	6	100	80	73	66	55	46	33	11	-	-	-
76907	3 kW (4 HP)	6.1	3.5	100	80	73	66	55	46	33	11	-	-	-
76908	4 kW (5.5 HP)	13.8	7.9	100	80	99	91	82	70	58	42	19	-	-
76909	4 kW (5.5 HP)	7.9	4.6	100	80	99	91	82	70	58	42	19	-	-
76910	5.5 kW (7.5 HP)	18.6	10.7	125	100	140	128	114	97	67	23	-	-	-
76911	5.5 kW (7.5 HP)	10.7	6.2	125	100	140	128	114	97	67	23	-	-	-
76912	7.5 kW (10 HP)	14.3	8.3	125	100	156	145	131	117	97	73	13	-	-
76913	9.2 kW (12.5 HP)	17.5	10.1	150	100	199	185	170	154	131	112	77	-	-
76914	11 kW (15 HP)	20.4	11.8	150	100	-	-	175	163	146	125	102	73	-
76915	15 kW (20 HP)	27.3	15.8	200	125	-	299	287	260	222	175	126	-	-
76916	18,5 kW (25 HP)	33.5	19.4	200	125	-	-	369	349	324	293	244	184	101

76913 / 76914 / 76915 / 76916



Code	Suction Connection	Delivery Connection	Dimensions (mm)								
			A	B	C	D	E	G	H	I	L
76905	100	50	400	726	95	250	340	405	180	-	908
76906	100	80	425	815	130	315	404	480	200	-	1024
76907	100	80	425	815	130	315	404	480	200	-	1024
76908	100	80	425	823	130	315	404	480	200	-	1053
76909	100	80	425	823	130	315	404	480	200	-	1053
76910	125	100	486	922	130	315	426	505	225	-	1163
76911	125	100	486	922	130	315	426	505	225	-	1163
76912	125	100	486	933	130	315	426	505	225	-	1185
76913	150	100	586	1033	130	315	426	505	417	610	1285
76914	150	100	586	1191	130	315	426	505	417	610	1394
76915	200	125	668	1317	130	315	487	605	490	698	1521
76916	200	125	668	1319	130	315	487	605	490	698	1578

STRAINERS



STRAINER in polypropylene and fibreglass

ASTRALPOOL

Flanges drilled according to DIN-2501 Standard. Supplied with 3 piece coupling at the inlet. 8 litre capacity.
Inlet size: Ø 90 mm and outlet Ø 110 mm.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Strainer	09879	1	8.4	0.098



STRAINER in polyester and fibreglass 33 l capacity

ASTRALPOOL

Flanges drilled according to DIN-2501 Standard. Hoop type clamp. Drain plug. Maximum working pressure: 1.5 bar.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
33 l Capacity				
Connections Ø 90 mm, 37 m ³ /h	04656	1	27	0.180
Connections Ø 110 mm, 55 m ³ /h	04657	1	27	0.180
Connections Ø 125 mm, 72 m ³ /h	04658	1	27	0.180
Connections Ø 140 mm, 90 m ³ /h	04659	1	27	0.180



STRAINER in polyester and fibreglass 60 l capacity

ASTRALPOOL

Flanges drilled according to DIN-2501 Standard. Hoop type clamp. Drain plug. Maximum working pressure: 1.5 bar.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
60 l Capacity				
Connections Ø 160 mm, 118 m ³ /h	10886	1	39	0.357
Connections Ø 200 mm, 184 m ³ /h	10887	1	39	0.357
Connections Ø 225 mm, 233 m ³ /h	10888	1	39	0.357

STRAINERS



STRAINER in polyester and fibreglass with sight glass lid 33 l capacity

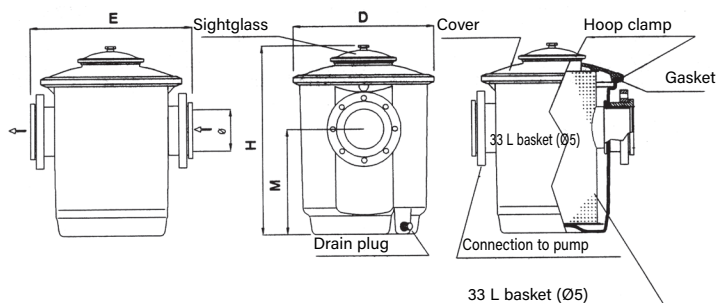
ASTRALPOOL

Flanges drilled according to DIN-2501 Standard. Hoop type clamp. Drain plug. Maximum working pressure: 1.5 bar.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
33 l Capacity				
Connections Ø 90 mm, 37 m ³ /h	15644	1	27	0.180
Connections Ø 110 mm, 55 m ³ /h	15645	1	27	0.180
Connections Ø 125 mm, 72 m ³ /h	15646	1	27	0.180
Connections Ø 140 mm, 90 m ³ /h	15647	1	27	0.180
Strainer 3", 37 m ³ /h	15648	1	27	0.180
Strainer 4", 55 m ³ /h	15649	1	27	0.180

TECHNICAL FEATURES

Code	15644	15645	15646	15647	15648	15649
H	635	635	635	635	635	635
D	475	475	475	475	475	475
M	353	353	353	353	353	353
Ø	90	110	125	140	3"	4"
E	500	516	532	546	500	516

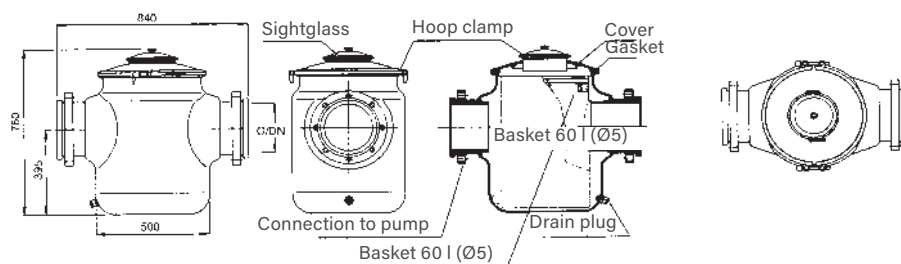


STRAINER in polyester and fibreglass with sight glass lid 60 l capacity

ASTRALPOOL

Flanges drilled as per DIN-2501 Standard. Hoop type clamp. Drain plug. Maximum working pressure: 1.5 bar.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
60 l Capacity				
Connections Ø 160 mm, 118 m ³ /h	15650	1	39	0.357
Connections Ø 200 mm, 174 m ³ /h	15651	1	39	0.357
Connections Ø 225 mm, 233 m ³ /h	15652	1	39	0.357
Strainer 6", 118 m ³ /h	15653	1	39	0.357
Strainer 8", 233 m ³ /h	15654	1	39	0.357



STRAINERS

KIVU STRAINERS



Flanges drilled to standard DIN-2501. Quick closing lid. Polypropylene basket. Drain plug. Maximum working pressure 1.5 bar.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
25 l Capacity				
6" Connections DN 150	56733	1	9.9	0.08



ASTRAMAX STRAINERS



Strainer for Astramax pump. Body in ABS and fibreglass. With transparent lid and anti-corrosive strainer basket. Suction 2¼" male thread. Connection to pump 2¾" female thread.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Strainer Astramax pump	16104	1	1.5	0.017



ARAL PLUS STRAINERS



Made in cast iron and strainer made in AISI-304. Working pressure 2 bar. Flange connection are manufactured in accordance with DIN-2501 Standard.

MATERIALS

- Pre-filter housing and cover: Cast Iron.
- Strainer basket: Stainless Steel AISI-304.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
ARAL PLUS STRAINER D210 65/65	76936	1	19.5	0.035
ARAL PLUS STRAINER D210 80/2B	76937	1	20.5	0.035
ARAL PLUS STRAINER D210 80/80	76938	1	20.5	0.035
ARAL PLUS STRAINER D210 100/65	76939	1	20.5	0.035
ARAL PLUS STRAINER D210 100/80	76940	1	21	0.035
ARAL PLUS STRAINER D210 100/100	76930	1	21.5	0.035
ARAL PLUS STRAINER D250 125/100	76931	1	35	0.044
ARAL PLUS STRAINER D250 125/125	76932	1	36	0.044
ARAL PLUS STRAINER D330 150/125	76933	1	76	0.115
ARAL PLUS STRAINER D330 150/150	76941	1	77	0.115
ARAL PLUS STRAINER D410 200/150	76934	1	96	0.185
ARAL PLUS STRAINER D410 200/200	76935	1	98	0.185



STRAINERS

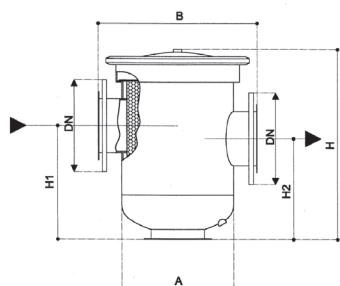
STRAINERS IN STAINLESS STEEL

ASTRALPOOL

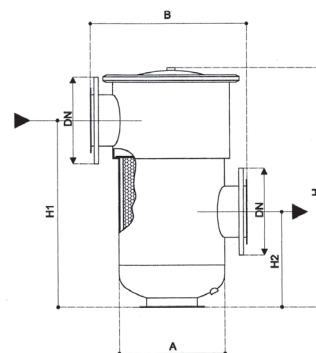


With removable basket. Housing in AISI-304 and strainer basket in AISI-316. Models come in varying diameters to suit pump suctions (impeller protection). Rough straining for different installations.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
S.S. strainer DN 100 with PVC flange	21461	1	17.6	0.06
S.S. strainer DN 100 TF with PVC flange	21462	1	21.6	0.09
S.S. strainer DN 125 with PVC flange	21463	1	19.0	0.06
S.S. strainer DN 125 TF with PVC flange	21464	1	23.0	0.09
S.S. strainer DN 150 with PVC flange	21465	1	24.8	0.08
S.S. strainer DN 150 TF with PVC flange	21466	1	31.0	0.13
S.S. strainer DN 200 with PVC flange	21467	1	25.4	0.08
S.S. strainer DN 200 TF with PVC flange	21468	1	31.6	0.13



STANDARD model



TF model

TECHNICAL FEATURES

Code	Diameter		Pressure (bar)	External volume					Material	Interior basket			Total weight
	Input connection	Relief		Dimensions (mm)						Dimensions (mm)			
				A	B	H	H1	H2		Ø	H	Perforation	
21461	DN 100	½"	3	292	410	520	294	254	AISI 316	270	350	6 mm	17.6
21462	DN 100	½"	3	292	425	735	593	308	AISI 316	270	415	6 mm	21.6
21463	DN 125	½"	3	292	410	520	294	254	AISI 316	270	350	6 mm	19.0
21464	DN 125	½"	3	292	425	735	593	308	AISI 316	270	415	6 mm	23.0
21465	DN 150	½"	3	350	450	520	294	254	AISI 316	320	350	6 mm	24.8
21466	DN 150	½"	3	350	470	775	595	295	AISI 316	320	415	6 mm	31.0
21467	DN 200	½"	3	350	450	520	294	254	AISI 316	320	350	6 mm	25.4
21468	DN 200	½"	3	350	470	775	595	295	AISI 316	320	415	6 mm	31.6

VALVES AND HOSES

ASTRALPOOL 

CHECK VALVES

Nominal pressure 10 kg/cm². Mounted between flanges. Available in PN 16 and PN 25 under special order.



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Outlets Ø 50 mm	20239	1	-	-
Outlets Ø 65 mm	20240	1	-	-
Outlets Ø 80 mm	20241	1	-	-
Outlets Ø 100 mm	20242	1	-	-
Outlets Ø 125 mm	20243	1	-	-
Outlets Ø 150 mm	20244	1	-	-
Outlets Ø 200 mm	20245	1	-	-
Outlets Ø 250 mm	20246	1	-	-

VIBRATION ABSORBENT BRUSHING

ASTRALPOOL 

Flanges in galvanized steel. Elastic material: Polychloroprene. Maximum temperature: 95° C. Nominal pressure: 10 kg/cm² (PN/10).



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Outlets Ø 50 mm	20231	1	-	-
Outlets Ø 65 mm	20232	1	-	-
Outlets Ø 80 mm	20233	1	-	-
Outlets Ø 100 mm	20234	1	-	-
Outlets Ø 125 mm	20235	1	-	-
Outlets Ø 150 mm	20236	1	-	-
Outlets Ø 200 mm	20237	1	-	-
Outlets Ø 250 mm	20238	1	-	-

AIR BLOWERS



AIR BLOWERS

Air pump designed for spas, baths, hydromassage installations and similar which produces a constant stream of air bubbles at medium and high air volume levels. It can also be used to stir up the filter bed, for example in back wash cycles where a low intensity air current is required.

The filter casing and impeller are made from an injected aluminium alloy whilst the motor spindle is manufactured from stainless steel, with the impeller dynamically balanced and directly adapted to the spindle. The motors, single phase or 3 phase for continuous use, are made from steel in compliance with CEI 2/3 1988 regulations, and feature IP54 external protection and class-F insulation. The standard voltages are 100-120/200-240V for the monophase range and 200-240/380-440V for the triphase models, at 50/60Hz. The pumps can be mounted horizontally or vertically. Moreover, since there is no contact between the mobile parts and the pump static discharges, neither lubrication nor maintenance is necessary and it does not cause wear on the parts.

The turbines have a maximum working temperature of 40°C. Do not use in conjunction with aggressive, inflammable or explosive gases.

TECHNICAL FEATURES

Model	Code	Frequency (Hz)	Voltage (V)	Phase	Flow rate (m ³ /h)	Max. Pressure (mbar)	Standard Weight kg	Standard Volume m ³
Blower 0.4 kW	33970-2450	50	Δ 200-240 Y 345-415	3	80	130	10	0.045
Blower 0.5 kW		60	Δ 220-275 Y 380-480	3	98	170		
Blower 0.85 kW	35388-2450	50	200-240	1	145	160	17	0.059
Blower 0.95 kW		60	200-240	1	175	160		
Blower 0.85 kW	35387-2450	50	Δ 200-240 Y 345-415	3	145	160	16	0.045
Blower 0.95 kW		60	Δ 220-275 Y 380-480	3	175	160		
Blower 1.3 kW	31090-2450	50	200-240	1	210	170	23	0.059
Blower 1.5 kW		60	200-240	1	255	140		
Blower 1.3 kW	31091-2450	50	Δ 200-240 Y 345-415	3	210	170	22	0.059
Blower 1.5 kW		60	Δ 220-275 Y 380-480	3	255	140		
Blower 1.5 kW	33971-2450	50	200-240	1	210	220	24	0.064
Blower 1.75 kW		60	200-240	1	255	220		
Blower 1.6 kW	31092-2450	50	Δ 200-240 Y 345-415	3	210	220	23	0.064
Blower 2.1 kW		60	Δ 220-275 Y 380-480	3	255	220		
Blower 1.6 kW 2V	35389-2450	50	Δ 200-240 Y 345-415	3	150	300	25	0.087
Blower 2.06 kW 2V		60	Δ 220-275 Y 380-480	3	180	310		
Blower 2.2 kW	31093-2450	50	Δ 200-240 Y 345-415	3	318	230	30	0.097
Blower 2.55 kW		60	Δ 220-275 Y 380-480	3	376	220		
Blower 3.0 kW 2V	31094-2450	50	Δ 200-240 Y 345-415	3	230	410	40	0.126
Blower 3.45 kW 2V		60	Δ 220-275 Y 380-480	3	275	400		
Blower 3.0 kW	31095-2450	50	Δ 200-240 Y 345-415	3	318	280	36	0.097
Blower 3.45 kW		60	Δ 220-275 Y 380-480	3	376	280		
Blower 4.3 kW 2V	31096-2450	50	Δ 345-415 Y 600-720	3	520	600	54	0.217
Blower 4.8 kW 2V		60	Δ 380-480 Y 660-720	3	385	320		
Blower 5.5 kW	31097-2450	50	Δ 345-415 Y 600-720	3	530	320	63	0.16
Blower 6.3 kW		60	Δ 380-480 Y 660-720	3	620	340		
Blower 5.5 kW 2V	33972-2450	50	Δ 345-415 Y 600-720	3	320	515	66	0.201
Blower 6.3 kW 2V		60	Δ 380-480 Y 660-720	3	385	530		
Blower 7.5 kW	31098-2450	50	Δ 345-415 Y 600-720	3	530	400	66	0.16
Blower 8.6 kW		60	Δ 380-480 Y 660-720	3	620	400		
Blower 11 kW 2V	33973-2450	50	Δ 345-415 Y 600-720	3	520	600	104	0.353
Blower 12.6 kW 2V		60	Δ 380-480 Y 660-720	3	620	600		
Blower 12.5 kW	33974-2450	50	Δ 345-415 Y 600-720	3	1050	270	116	0.353
Blower 14.5 kW		60	Δ 380-480 Y 660-720	3	1250	260		





POOLS

WATER TREATMENT EQUIPMENT

228 FREEPOOL²

228 Freepool²

229 SALT ELECTROLYSIS

230 Pro-chlore Salt

231 Nature Salt Plus

232 Easy Salt

233 Easy Salt Next VC

233 Sel-cleaning electrodes

234 NEOLYSIS

234 Neolysis S (5-6 g/L) + UV

235 Neolysis LS (1.5-2 g/L) + UV

236 LS/S Neolysis lamps

236 LS/S Neolysis electrodes

237 AUTOMATIC UV DISINFECTION

237 Heliox UV LP / MP

238 Heliox UV MP

239 Heliox UV MP lamps

239 Heliox UV LP

239 Heliox UV LP S.S. (Stainless Steel)

240 Heliox UV LP PE (PolyEthylene)

240 Heliox UV LP lamps

241 DOSING PUMPS

241 Acqua Dos Dosing pumps

244 Optima dosing pumps

246 Peristaltic dosing pumps

246 Polyethylene cylindrical tanks

247 Manual stirrer

247 CONTINUOUS FLOCCULATION SYSTEM

247 Floc System

247 WATER METERS

247 Woltman type turbine meters

248 AUTOMATIC REGULATION AND CONTROL EQUIPMENT

248 AP PR-200
Compatible with water electrolysis

248 Control Connect
The smart multi-setting controller

249 Amperometric Chlorine Sensors

249 pH / ORP Sensors

249 Calibration Solutions

249 Pool Patrol

250 Guardian Pool

251 Controller

252 Installation diagram for organic
Chlorine or Bromine

253 Installation diagram for Inorganic
Chlorine

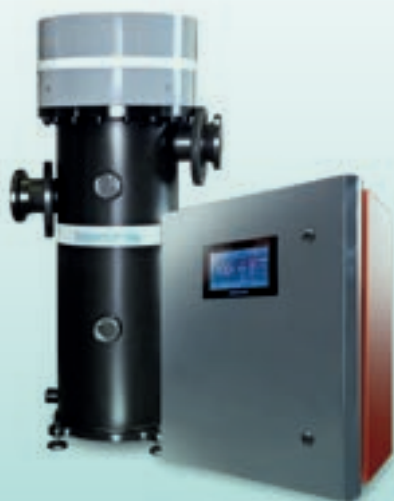
The benefits of Freepool have been backed up by two studies conducted by Universitat Autònoma de Barcelona and Hospital Universitari Clínic de Barcelona.



Universitat Autònoma de Barcelona



Freepool² disinfects the water thanks to the salt chlorinator and the UV and corrects pH levels by injecting CO₂ through the reactor



FREEPOOL²

INTRODUCTION

Pools without chemical products that deliver unbeatable water and air quality

- + Public pool water treatment and disinfection system.
- + Freepool² keeps the quality of water to the highest standards without the need to add chemical products.
- + Freepool² is a unique product that comes with three water treatment technologies that optimize disinfection and pH levels: a low-salinity salt chlorinator for disinfecting the water, low pressure UV for reducing combined chloramines and a CO₂ injection system for adjusting the pH.

The main advantages of Freepool² are:

- + **Water quality.** Studies carried out by Universidad Autònoma de Barcelona and Hospital Clínic de Barcelona revealed that swimmers' perception of a "perfectly clean" atmosphere increased significantly.
- + **Safety.** There is no need to store, handle or measure out chemicals and it is therefore a safer system.

Technical features:

- + Chlorine output of 180 g/h
- + Three 90 W UV lamps
- + CO₂ injector and pH control kit for dosing and absorption
- + Recommended control unit AP PR-207 pH/Cl₂ ppm

FREEPOOL²

ASTRALPOOL

It is essential to receive advice from Fluidra's technical department before installing the equipment.

freepool²
Salt chlorinator + UV + CO₂

75% reduction

in the concentration of **oxidants** in the atmosphere, improving the quality of the atmosphere and reducing the smell of chlorine.

20% reduction

of **combined chloramines** in the water, reducing skin and eye irritation and respiratory complications.

100% reduction

in the addition of diluted **acids and chlorinated products**; completely avoids the need to add chlorinated products and acids.

66% reduction

in the consumption of new supplies of **water**, with savings in water and energy wherever it is installed.

SALT ELECTROLYSIS

In salt chlorination systems, disinfection is achieved by adding salt to the pool water and applying a direct current to the electrolytic cells.

Depending on the amount of salt added to the water, there are two types of chlorinators.

Normal salinity chlorinators in which 5 - 6 grams of salt is added per liter of water, and low salinity chlorinators in which 2 - 3 grams of salt is added per liter of water. To give an order of magnitude, seawater has a concentration of 35 g/l.

The current applied to the plates of the electrolytic cells causes chemical reactions in which chlorine gas is generated. This chlorine combines with the pool water to form, among other compounds, hypochlorous acid, which is a strong disinfectant. As the energy provided by the electrical current in the cell is dissipated, the chemical reaction is reversed and we have salt dissolved in the water again. This is a cyclic process in which no component is lost. We will only have to add salt when we make large water renewals.

Salt chlorination has great benefits such as:

Safety: In salt electrolysis systems it is not necessary to store, handle or dose any chemical compound, providing greater safety. The raw material for storage is common salt.

Savings: The incorporation of salt electrolysis systems means net savings in operating costs of around 50-60% compared to traditional systems.

Reduction in the use of chemical products: disinfection is achieved with common salt, so we only need to use chemicals to regulate the pH, flocculants if necessary and the prevention and elimination of algae.

More pleasant end-user experience: with salt electrolysis we reduce stinging eyes, chlorine smell and it does not dry the skin as much as chlorine.

TECHNICAL FEATURES

	Salinity	Production g/h	Control	Display	Connectivity	Historical data
Pro-Chlore Salt	5-6 g/l recommended	50 - 600	pH/ORP pH/ppm	LCD color touch screen	NN Thing	Yes
Nature Salt Plus	2-2,5 g/l recommended	50 - 300	pH/ORP pH/ppm	LCD color touch screen	NN Thing	Yes
Easy Salt	5-6 g/l recommended	50 - 180	pH/ORP	LCD Display	NN Thing	Yes
Easy Salt Next VC	5-6 g/l recommended	75 - 190	pH/ORP external	HMI with touch control	NN Thing	No

SALT ELECTROLYSIS

ASTRALPOOL

PRO-CHLORE SALT

Our Pro-Chlore Salt range includes EX electrodes that provide the highest level of durability in self-cleaning systems. The Pro-Chlore Salt range with its integrated EXTENSION options (EXT-1, EXT-1E, EXT-2) or external control options (AP PR200, Control Connect) includes a control and regulation system for ORP values (Redox) or ppm, as well as pH, allowing improved management of the equipment and an excellent water quality at all times. The Pro-Chlore range can be manufactured, on request, for seawater (Pro Chlore Salt AM Series). To control more than one unit for the same pool you will need an AP PR-200 external control or Control Connect and the TRI multiple control kit (code 70338).

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Pro-Chlore Salt A-50EX	35252	1	55	0.17
Pro-Chlore Salt A-80EX	35253	1	65	0.19
Pro-Chlore Salt A-120EX	35254	1	100	0.36
Pro-Chlore Salt A-180EX	35255	1	120	0.36
Pro-Chlore Salt A-300EX	35256	1	140	0.36
Pro-Chlore Salt A-600EX	35257	1	200	0.74

External control option
(AP PR 60359-60361-60362,
Control Connect 71537-8-9)

Pro-Chlore Salt A-50EX + pH/ORP (EXT-1)	35258	1	55	0.17
Pro-Chlore Salt A-80EX + pH/ORP (EXT-1)	35259	1	65	0.19
Pro-Chlore Salt A-120EX + pH/ORP (EXT-1)	35260	1	100	0.36
Pro-Chlore Salt A-180EX + pH/ORP (EXT-1)	35261	1	120	0.36
Pro-Chlore Salt A-300EX + pH/ORP (EXT-1)	35262	1	140	0.36
Pro-Chlore Salt A-600EX + pH/ORP (EXT-1)	35263	1	200	0.74

Optional sensor holder for EXT-1
(EXT-1+57769=EXT-1E)

57769	1	-	-
45836	1	60	0.17
45837	1	70	0.19
45838	1	105	0.36
45839	1	125	0.36
45840	1	145	0.36
45841	1	205	0.74

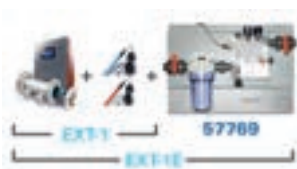
Sensor holder included with EXT-2

Options for seawater (on request).
Example: 45836-AM.

Optional:

Connection kit compatible with
Fluidra Connect

60363	1	0.39	0.002
-------	---	------	-------



AM



Fluidra Connect
compatible



TECHNICAL FEATURES

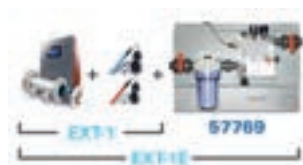
	A-50	A-80	A-120	A-180	A-300	A-600
Power supply (AC)	230 V / 50 - 60 Hz			400 V / 50 - 60 Hz		
Power rating (AC)	1.5 A	2.4 A	3.9 A	2.2 A	3.6 A	7.2 A
Input (AC)	3 x 1.0 mm ²	3 x 1.0 mm ²	3 x 2.5 mm ²	5 x 1.5 mm ²	5 x 4 mm ²	5 x 4.0 mm ²
Output (DC)	2 x 10 mm ²	2 x 25 mm ²	2 x 35 mm ²	2 x 70 mm ²	2 x 120 mm ²	3 x 240 mm ²
Pipe connection	Female thread 1½"	Flanges D63 mm		Flanges D90 mm		
Fuse	5 AT (6 x 32 mm)	7 AT (6 x 32 mm)	10 AT (6 x 32 mm)	QM K10A	QM K20A	QM K25A
Outlet	10.5 V / 25 A	10.5 V / 40 A	11.2 V / 60 A	9 V / 90 A	9 V / 150 A	9 V / 300 A
Cooling	Natural			Fan		
Minimum flow rate	8 m ³ /h	14 m ³ /h	20 m ³ /h	30 m ³ /h	50 m ³ /h	100 m ³ /h
Number of plates per electrode	8	12	8	12	16	2 x 15

SALT ELECTROLYSIS

ASTRALPOOL 

NATURE SALT PLUS

Nature Salt Plus is the most sustainable answer for the commercial pool, 2 g salt/litre operation. SELF-CLEANING industrial salt electrolysis system for public pool applications of up to 300 g chlorine/hour. High pressure cells (polypropylene) fitted with high quality electrodes. To control more than one unit for the same pool you will need an AP PR-200 external control or Control Connect and the TRI multiple control kit (code 70338).



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Nature Salt 50EX/LS	53810	1	80	0.17
Nature Salt 80EX/LS	53811	1	90	0.19
Nature Salt 120EX/LS	53812	1	130	0.36
Nature Salt 180EX/LS	53813	1	145	0.36
Nature Salt 300EX/LS	53814	1	170	0.36

External control option
(AP PR 60359-60361-60362,
Control Connect 71537-8-9)

Nature Salt 50EX/LS + pH/ORP (EXT-1)	53815	1	80	0.17
Nature Salt 80EX/LS + pH/ORP (EXT-1)	53816	1	90	0.19
Nature Salt 120EX/LS + pH/ORP (EXT-1)	53817	1	130	0.36
Nature Salt 180EX/LS + pH/ORP (EXT-1)	53818	1	145	0.36
Nature Salt 300EX/LS + pH/ORP (EXT-1)	53819	1	170	0.36
Optional sensor holder for EXT-1 (EXT-1+57769=EXT-1E)	57769	1	-	-

Nature Salt 50EX/LS + pH/PPM (EXT-2)	53820	1	85	0.36
Nature Salt 80EX/LS + pH/PPM (EXT-2)	53821	1	95	0.36
Nature Salt 120EX/LS + pH/PPM (EXT-2)	53822	1	135	0.36
Nature Salt 180EX/LS + pH/PPM (EXT-2)	53823	1	150	0.74
Nature Salt 300EX/LS + pH/PPM (EXT-2)	53824	1	175	0.74

Sensor holder included with EXT-2

Optional:

Connection kit compatible with
Fluidra Connect

60363	1	0.39	0.002
-------	---	------	-------

SALT ELECTROLYSIS

ASTRALPOOL

EASY SALT

SELF-CLEANING salt electrolysis system for public pool applications of up to 180 g chlorine/hour. Easy Salt is a compact and cost-competitive piece of equipment. To control more than one unit for the same pool you will need an AP PR-200 external control or Control Connect and the TRI multiple control kit (code 70338).



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Easy Salt 50	66151	1	30	0.29
Easy Salt 70	53799	1	70	0.29
Easy Salt 90	53801	1	80	0.29
Easy Salt 180	53803	1	90	0.29
External control option (AP PR 60359-60361-60362, Control Connect 71537-8-9)				
Easy Salt 50 + pH/ORP (EXT-1)	66153	1	30	0.29
Easy Salt 70 + pH/ORP (EXT-1)	53800	1	70	0.29
Easy Salt 90 + pH/ORP (EXT-1)	53802	1	80	0.29
Easy Salt 180 + pH/ORP (EXT-1)	53804	1	90	0.29
Optional sensor holder for EXT-1 (EXT-1+66448 = EXT-1D)				
	66448	1	-	-
Optional:				
Connection kit compatible with Fluidra Connect	60363	1	0.39	0.002

Our salt water Chlorinators range

TECHNICAL FEATURES

	Salinity	Production g/h	Control	Display	Connectivity	Historical data
Pro-Chlore Salt	5-6 g/l recommended	50 - 600	pH/ORP pH/ppm	LCD color touch screen	NN Thing	Yes
Nature Salt Plus	2-2,5 g/l recommended	50 - 300	pH/ORP pH/ppm	LCD color touch screen	NN Thing	Yes
Easy Salt	5-6 g/l recommended	50 - 180	pH/ORP	LCD Display	NN Thing	Yes
Easy Salt Next VC	5-6 g/l recommended	75 - 190	pH/ORP external	HMI with touch control	NN Thing	No

SALT ELECTROLYSIS

EASY SALT NEXT VC

ASTRALPOOL 

Easy Salt Next VC is the new generation of salt chlorinators for public swimming pools with an output of up to 190 g/h. The activated titanium electrodes with self-cleaning system have a life of more than 12,000 hours. This new model incorporates a gas sensor and flow detector, as well as a new touch screen display with more information and programming options. If you want to regulate the production according to the pH and ORP values, you have to do it with the external control AP PR-200 included in the pH/ORP codes. To control more than one unit, the TRI Kit is required.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Easy Salt Next VC 75 g/h	76376	1	25	0.29
Easy Salt Next VC 100 g/h	76378	1	25	0.29
Easy Salt Next VC 150 g/h	76380	1	35	0.29
Easy Salt Next VC 190 g/h	76382	1	35	0.29
Easy Salt Next VC 75 pH/ORP	76377	1	25	0.29
Easy Salt Next VC 100 pH/ORP	76379	1	25	0.29
Easy Salt Next VC 150 pH/ORP	76381	1	35	0.29
Easy Salt Next VC 190 pH/ORP	76383	1	35	0.29



Fluidra Connect compatible



SELF-CLEANING ELECTRODES

ASTRALPOOL 

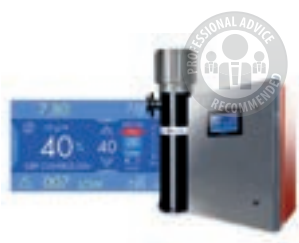
	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Pro-Chlore Salt Series				
A-50EX/EXT-1/EXT-2	60634	1	-	-
A-80EX/EXT-1/EXT-2	60636	1	-	-
A-120EX/EXT-1/EXT-2	60676	1	-	-
A-180EX/EXT-1/EXT-2	60677	1	-	-
A-300EX/EXT-1/EXT-2	60678	1	-	-
A-600EX/EXT-1/EXT-2	60679	1	-	-
Nature Salt Plus Series				
A-50EX/LS/EXT-1/EXT-2	60680	1	-	-
A-80EX/LS/EXT-1/EXT-2	60681	1	-	-
A-120EX/LS/EXT-1/EXT-2	60682	1	-	-
A-180EX/LS/EXT-1/EXT-2	60683	1	-	-
A-300EX/LS/EXT-1/EXT-2	60684	1	-	-
Easy Salt Series				
EASY SALT 50/EXT-1	68104	1	-	-
EASY SALT 70/EXT-1	60685	1	-	-
EASY SALT 90/EXT-1	60686	1	-	-
EASY SALT 180/EXT-1	60687	1	-	-
Easy Salt Next VC Series				
EASY SALT NEXT VC 75 g/h	76351	1	-	-
EASY SALT NEXT VC 100 g/h	76352	1	-	-
EASY SALT NEXT VC 150 g/h	76353	1	-	-
EASY SALT NEXT VC 190 g/h	76354	1	-	-



NEOLYSIS

- + Unbeatable water quality.
- + Dual disinfection based on UV and electrolysis.

- Neolysis, the most advanced water treatment by AstralPool:
+ Sustainability + Innovation + Disinfection + Healthy.
- Two options: low salinity of 2-3 g/l (Neo LS) and standard salinity of 6 g/l (Neo S).
- The ultimate in chloramine reduction capacity (UV LP + Electrolysis).
- Self-cleaning electrodes that last 12,000-15,000 hours (NeoLS and Neo S).
- LP HO UV lamp (13,000 hours)
- Patented process.
- To control more than one unit for the same pool you will need an AP PR-200 external control or Control Connect and the TRI multiple control kit (code 70338).



EXT-1 + 57769 = EXT-1E



Sensor holder included in EXT-2



Fluidra Connect compatible



NEOLYSIS S (5-6 G/L) + UV



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
AP NEO/S 50 Gr/h + UV 75 W	66142	1	-	-
AP NEO/S 80 Gr/h + UV 90 W	66143	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W	66144	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W	68120	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W	68123	1	-	-

External control option
(AP PR 60359-60361-60362,
Control Connect 71537-8-9)

With pH/ORP (EXT-1)

AP NEO/S 50 Gr/h + UV 75 W	66145	1	-	-
AP NEO/S 80 Gr/h + UV 90 W	66146	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W	66147	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W	68121	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W	68124	1	-	-
Optional sensor holder for EXT-1	57769	1	-	-

With pH/PPM (EXT-2)

AP NEO/S 50 Gr/h + UV 75 W	66148	1	-	-
AP NEO/S 80 Gr/h + UV 90 W	66149	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W	66150	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W	68122	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W	68125	1	-	-

Optional:

Connection kit compatible with Fluidra Connect (without lamp control)	60363	1	0.39	0.002
--	-------	---	------	-------

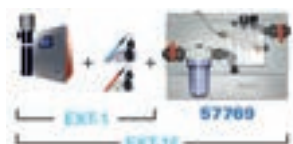
TECHNICAL FEATURES

AP NEO Basic	AP NEO pH/ORP	AP NEO pH/PPM	Production Salt Electrolysis + UV
66142	66145	66148	50 gr Cl ₂ /hr + 75 W UV
66143	66146	66149	80 gr Cl ₂ /hr + 90 W UV
66144	66147	66150	120 gr Cl ₂ /hr + 180 W UV
68120	68121	68122	180 gr Cl ₂ /hr + 270 W UV
68123	68124	68125	300 gr Cl ₂ /hr + 360 W UV

NEOLYSIS

ASTRALPOOL 

NEOLYSIS LS (1.5-2 G/L) + UV



EXT-1 + 57769 = EXT-1E



Sensor holder included in EXT-2



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
AP NEO 50 Gr/h + UV 75 W	57753	1	-	-
AP NEO 80 Gr/h + UV 90 W	57761	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W	57762	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W	68117	1	-	-

External control option
(AP PR 60359-60361-60362,
Control Connect 71537-8-9)

With pH/ORP (EXT-1)

AP NEO 50 Gr/h + UV 75 W	57763	1	-	-
AP NEO 80 Gr/h + UV 90 W	57764	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W	57765	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W	68118	1	-	-
Optional sensor holder for EXT-1	57769	1	-	-

With pH/PPM (EXT-2)

AP NEO 50 Gr/h + UV 75 W	57766	1	-	-
AP NEO 80 Gr/h + UV 90 W	57767	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W	57768	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W	68119	1	-	-

Optional:

Connection kit compatible with Fluidra Connect (without lamp control)	60363	1	0.39	0.002
--	-------	---	------	-------

TECHNICAL FEATURES

AP NEO Basic	AP NEO pH/ORP	AP NEO pH/PPM	Production Salt Electrolysis + UV
57753	57763	57766	50 gr Cl ₂ /hr + 75 W UV
57761	57764	57767	80 gr Cl ₂ /hr + 90 W UV
57762	57765	57768	120 gr Cl ₂ /hr + 180 W UV
68117	68118	68119	180 gr Cl ₂ /hr + 270 W UV

NEOLYSIS

LS/S NEOLYSIS LAMPS



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
75-W UV LP-20 lamp (Codes 57753, 57763, 57766, 66142, 66145, 66148)	60608	1	0.10	-
90-W UV LP-25 lamp (Codes 57761, 57764, 57767, 68117, 68118, 68119, 66143, 66146, 66149, 68120, 68121, 68122, 68123, 68124, 68125)	60609	1	0.10	-
Lamp replacement kit UV LP 2x90 W (Codes 57762, 57765, 57768, 66144, 66147, 66150)	60619	1	0.20	-
UV LP-20/25/30 quartz (lamps 75 W and 90 W)	60631	1	0.09	-

LS/S NEOLYSIS ELECTRODES



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Neolysis LS				
50 gr/h - 75 W Neolysis LS electrode (Codes 57753, 57763, 57766)	61119	1	-	-
80 gr/h - 90 W Neolysis LS electrode (Codes 57761, 57764, 57767)	61120	1	-	-
120 gr/h - 2 x 90 W Neolysis LS electrode (Codes 57762, 57765, 57768)	61121	1	-	-
180 gr/h - 3 x 90 W Neolysis LS electrode (Codes 68117, 68118, 68119)	68126	1	-	-
Neolysis S				
50 gr/h - 75 W Neolysis S electrode (Codes 66142, 66145, 66148)	73550	1	-	-
80 gr/h - 90 W Neolysis S electrode (Codes 66143, 66146, 66149)	73551	1	-	-
120 gr/h - 2 x 90 W Neolysis S electrode (Codes 66144, 66147, 66150)	73552	1	-	-
180 gr/h - 3 x 90 W Neolysis S electrode (Codes 68120, 68121, 68122)	73553	1	-	-
300 gr/h - 4 x 90 W Neolysis S electrode (Codes 68123, 68124, 68125)	73554	1	-	-

AUTOMATIC UV DISINFECTION

HELIOX UV LP / MP

ASTRALPOOL


INTRODUCTION

- + AstralPool presents Heliox UV, an automatic UVC light system, which guarantees double disinfection through a significant reduction in the amount of chloramines (bound chlorine) along with the neutralisation of bacteria, viruses and other microorganisms present in water by impeding their reproduction.
- + The range comprises the Heliox UV LP and the Heliox UV MP models for public pools.

The advantages of UV-C technology:

- + UV ray treatment systems are completely automatic, with very low maintenance and running costs. They also have considerable advantages over other systems:
- + 100% of pool water is treated.
- + The disinfected water is free of unpleasant smells and does not irritate the eyes, thanks to a drastic reduction in the amount of chloramines.
- + They save money as fewer chemical products are required.
- + They are environmentally friendly because:
 - + Less fresh water is needed (daily water renewal is reduced).
 - + Fewer waste by-products are formed, resulting in a reduction in subsequent water treatment.
 - + The UV-C equipment does not add any chemical products to the water.

Heliox-UV operation

- + UV-C disinfection is a local treatment (UV chamber), which takes place as the water in the pool circulates through the chamber that contains the UV-C lamps.
- + The accurate delivery of radiation (W UV-C) and residence time in the system ensure the effective neutralisation of 99.9% of microorganisms, as well as the reduction of chloramines to safe levels (<0.6 ppm).

AUTOMATIC UV DISINFECTION

ASTRALPOOL 

HELIOX UV MP

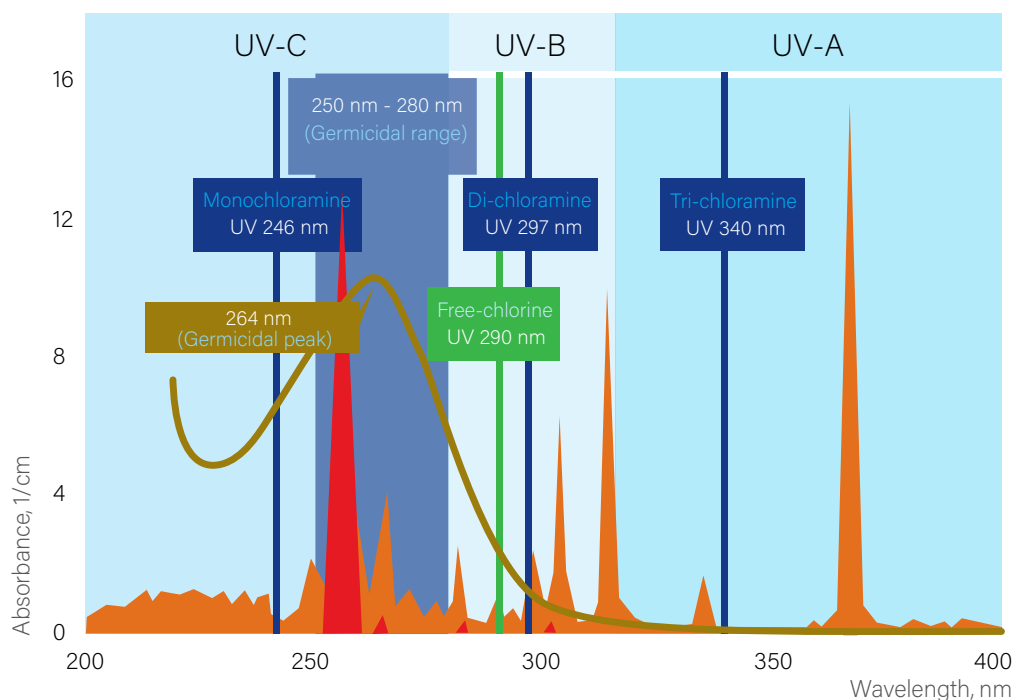


For sea water application, contact with AstralPool

- Heliox UV MP (medium pressure) systems are designed to be used in public pools. These lamps operate over a wide spectrum to cover the whole of the UV region (see graph), which makes possible the effective eradication of chloramines (<0.6 ppm) in the pool water and its efficient disinfection due to the neutralisation of microorganisms (99.9%), including those resistant to chlorine treatment.
- More compact design (UV reactor in AISI-316).
- Adjustable to between 70 and 100% of rated power, in 1% increments, by means of a self-cooling electronic ballast.
- Fluidra technology (design and manufacturing).
- Calibrated UV-C radiation sensor (mW/cm^2). Precise dose control. Instant power adjustment to process conditions. Saves energy and extends the lamp's lifetime.
- Advanced colour touch screen. System menu for browsing process parameters and log files.

Advanced versions:

- Embedded web.
- The control architecture used in Heliox UV PM systems has a number of features that make them reliable, energy-efficient and scalable to the highest possible level.
- The Heliox UV MP systems use two parameters for adjusting the power setting: average radiation and flow. All models have a rated radiation profile that ensures a dose of $60\text{mJ}/\text{cm}^2$. If the flow is lower than the rated value, the same will apply to the required radiation level and the system reduces the power input, thus optimising power consumption and the lamp's lifetime. Likewise, if radiation drops due to losses caused by cloudy water, scaling or lamp emission efficiency, the system will adjust the power so that the right dose is supplied.



- Medium pressure Heliox lamp spectral power distribution
- Low pressure Heliox lamp spectral power distribution
- DNA absorption (Germicidal curve)
- Absorption range
- Free chlorine absorption range

AUTOMATIC UV DISINFECTION



HELIOX UV MP

ASTRALPOOL

+ The medium pressure UV lamp is housed in a quartz sheath which insulates it from contact with water. To ensure that all radiation is transmitted to the water, the quartz sheath must be cleaned. Cleaning can be done manually or automatically. For automatic cleaning, models with Auto Wiper should be chosen.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Heliox UV MP 50	52200	1	-	-
Heliox UV MP 80	52201	1	-	-
Heliox UV MP 140	52202	1	-	-
Heliox UV MP 300	52203	1	-	-
Heliox UV MP 450	52204	1	-	-
Heliox UV MP 675	52205	1	-	-

Heliox UV MP Auto Wiper

Heliox UV MP 50 W	58808	1	-	-
Heliox UV MP 80 W	58809	1	-	-
Heliox UV MP 140 W	58698	1	-	-
Heliox UV MP 300 W	58810	1	-	-
Heliox UV MP 450 W	58699	1	-	-
Heliox UV MP 675 W	58811	1	-	-



HELIOX UV MP LAMPS

ASTRALPOOL

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Lamp UV MP 50/80 (Codes 52200, 52201, 58808, 58809)	60638	1	0.125	-
Lamp UV MP 140 (Codes 52202, 58698)	60639	1	0.255	-
Lamp UV MP 300/450/675 (Codes 52203, 52204, 52205, 58810, 58699, 58811)	60642	1	0.275	-
Quartz tube case MP 50/80/140	60643	1	0.050	-
Quartz tube case MP 300/450/675	60644	1	0.050	-



HELIOX UV LP

ASTRALPOOL

+ The medium pressure UV lamp is housed in a quartz sheath which insulates it from contact with water. To ensure that all radiation is transmitted to the water, the quartz sheath must be cleaned. Cleaning can be done manually or automatically. For automatic cleaning, models with Auto Wiper should be chosen.

New Features of LP S.S. & LP PE:

- + Stainless steel and polyethylene versions.
- + Multi-lamp version.
- + Fluidra technology (design and manufacturing).
- + Lamp "ON" indicator.
- + Electronic counter for working time and ignitions (lamp lifetime control).
- + Flow switch included as standard.

HELIOX UV LP S.S. (Stainless Steel)

ASTRALPOOL

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
145 S.S. 270 W / 90 W (UVC)	60344	1	-	-
165 S.S. 360 W / 120 W (UVC)	60345	1	-	-
185 S.S. 450 W / 150 W (UVC)	60346	1	-	-
195 S.S. 540 W / 180 W (UVC)	60347	1	-	-

AUTOMATIC UV DISINFECTION

HELIOX UV LP PE (PolyEthylene)

ASTRALPOOL



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
P20EX PE 90 W / 30 W (UVC)	63138	1	-	-
P25EX PE 180 W / 60 W (UVC)	63139	1	-	-
P30EX PE 270 W / 90 W (UVC)	63140	1	-	-
P35 PE 270 W / 90 W (UVC)	60348	1	-	-
P45 PE 360 W / 120 W (UVC)	60349	1	-	-
P60 PE 450 W / 150 W (UVC)	60354	1	-	-
P70 PE 540 W / 180 W (UVC)	60358	1	-	-
P95 PE 680 W / 204 W (UVC)	63135	1	-	-
P140 PE 1020 W / 306 W (UVC)	63136	1	-	-
P180 PE 1360 W / 408 W (UVC)	64347	1	-	-
P220 PE 1700 W / 510 W (UVC)	64348	1	-	-
P260 PE 2040 W / 612 W (UVC)	64349	1	-	-
P300 PE 2380 W / 714 W (UVC)	63137	1	-	-

TECHNICAL FEATURES

Material	Code	Model	Flow rate (35 mJ/cm ²) Freshwater	Flow rate (35 mJ/cm ²) Seawater	Flow rate (60 mJ/cm ²) Freshwater	No. Lamps	Rated / UV-C power	Total height	Ø reactor
Stainless steel	60344	UV LP 45	45 m ³ /h	-	30 m ³ /h	3X90 w	90 UV-C (W)	1092	204
Stainless steel	60345	UV LP 65	65 m ³ /h	-	40 m ³ /h	4X90 w	120 UV-C (W)	1092	204
Stainless steel	60346	UV LP 85	85 m ³ /h	-	45 m ³ /h	5X90 w	150 UV-C (W)	1092	204
Stainless steel	60347	UV LP 95	95 m ³ /h	-	55 m ³ /h	6X90 w	180 UV-C (W)	1092	204
PE	60348	UV LP P35	35 m ³ /h	20 m ³ /h	20 m ³ /h	3X90 w	90 UV-C (W)	1020	250
PE	60349	UV LP P45	45 m ³ /h	25 m ³ /h	25 m ³ /h	4X90 w	120 UV-C (W)	1020	250
PE	60354	UV LP P60	60 m ³ /h	30 m ³ /h	35 m ³ /h	5X90 w	150 UV-C (W)	1020	250
PE	60358	UV LP P70	70 m ³ /h	35 m ³ /h	40 m ³ /h	6X90 w	180 UV-C (W)	1020	250
PE	63138	UV LP 20 EX	12 m ³ /h	7 m ³ /h	7 m ³ /h	1X90 w	30 UV-C (W)	950	200
PE	63139	UV LP 25 EX	20 m ³ /h	13 m ³ /h	13 m ³ /h	2X90 w	60 UV-C (W)	950	200
PE	63140	UV LP 30 EX	30 m ³ /h	19 m ³ /h	18 m ³ /h	3X90 w	90 UV-C (W)	950	200
PE	63135	UV LP P95	130 m ³ /h	61 m ³ /h	76 m ³ /h	2X340 w	204 UV-C (W)	1319	315
PE	63136	UV LP P140	193 m ³ /h	91 m ³ /h	112 m ³ /h	3X340 w	306 UV-C (W)	1319	315
PE	64347	UV LP P180	253 m ³ /h	120 m ³ /h	148 m ³ /h	4X340 w	408 UV-C (W)	1319	315
PE	64348	UV LP P220	312 m ³ /h	149 m ³ /h	182 m ³ /h	5X340 w	510 UV-C (W)	1319	315
PE	64349	UV LP P260	369 m ³ /h	177 m ³ /h	215 m ³ /h	6X340 w	612 UV-C (W)	1319	315
PE	63137	UV LP P300	432 m ³ /h	209 m ³ /h	252 m ³ /h	7X340 w	714 UV-C (W)	1319	315

HELIOX UV LP LAMPS

ASTRALPOOL



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
90-W UV LP-25 lamp (Codes 60344, 60345, 60346, 60347, 63138, 63139, 63140, 60348, 60349, 60354, 60358)	60609	1	-	-
UV LP-20/25/30 quartz (Codes 60344, 60345, 60346, 60347, 63138, 63139, 63140, 60348, 60349, 60354, 60358)	60631	1	-	-
340 W UV LP lamp (Codes 63135, 63136, 64347, 64348, 64349, 63137)	66062	1	-	-
UV LP 1100MM quartz (Codes 63135, 63136, 64347, 64348, 64349, 63137)	66063	1	-	-

DOSING PUMPS

ACQUA DOS dosing pumps



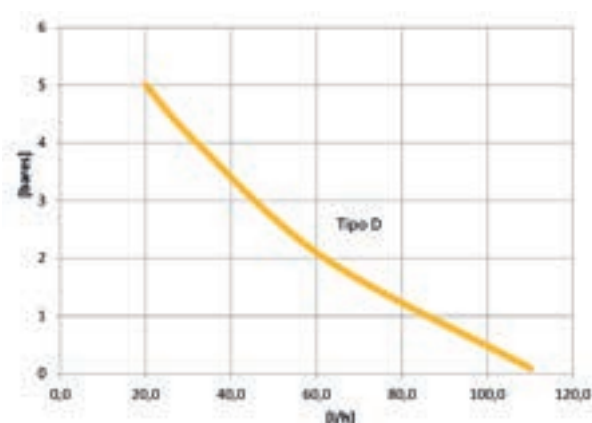
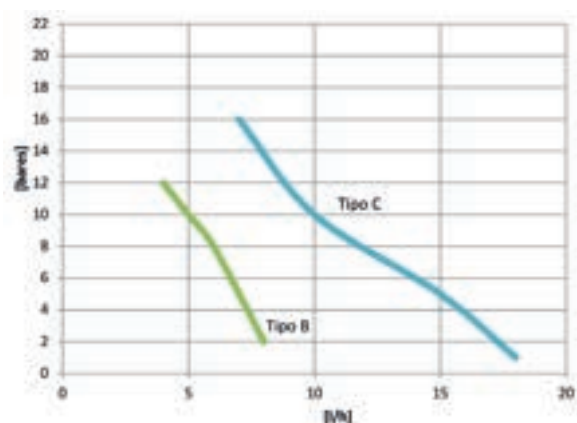
With only 3 sizes Acqua Dos dosing pumps cover a wide range of performances, having a flow rate range from 4 to 110 l/h and a back pressure up to 16 bar. The power supply is 100 ÷ 240 Vac – 50/60 Hz therefore the same pump can operate with different supply voltage.

The pump head is in PVDF and with ceramic ball valve, giving it high chemical compatibility with several liquids, long life PTFE diaphragm.

Acqua Dos series are equipped with a manually priming pump for the start up.

The pump is furnished with a complete standard installation kit, which includes: PVDF foot filter and injection valve, PVC suction tube, PE delivery tube, wall and base fixing bracket.

Installation kit included.



ACQUA DOS MANUAL ANALOG



Acqua Dos series analogic dosing pumps with constant flow rate are manually adjustable by a knob mounted on the front panel.

The flow rate has two frequency ranges:

- 0÷20 % of max flow rate
- 0÷100% of max flow rate

Input for minimum chemical level control (not included).



		Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Manual analog	5 l/h – 10 bar	75088	1	-	-
Manual analog	10 l/h – 10 bar	75089	1	-	-
Manual analog	32 l/h – 4 bar	75090	1	-	-

DOSING PUMPS



ACQUA DOS MANUAL DIGITAL

ASTRALPOOL

Acqua Dos series digital dosing pumps with constant flow rate can be adjusted manually by means of a keypad mounted on the front panel, visualizing on the display the dosed flow rate in pulses/minute.

Input for minimum chemical level control (not included).

		Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Manual digital	5 l/h - 10 bar	75091	1	-	-
Manual digital	10 l/h - 10 bar	75092	1	-	-
Manual digital	32 l/h - 4 bar	75093	1	-	-



ACQUA DOS PROPORTIONAL

ASTRALPOOL

Acqua Dos series proportional digital dosing pumps work at a constant flow rate and can be adjusted manually by means of a keypad mounted on the front panel, displaying the dosed flow rate in pulses/minute.

Working modes:

- Manual
- According to an external analogic (4-20 mA)
- According to a digital signal (water meter, 1:n or n:1)
- Minimum chemical level input (not included)

		Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Proportional	5 l/h - 10 bar	75083	1	-	-
Proportional	10 l/h - 10 bar	75085	1	-	-
Proportional	32 l/h - 4 bar	75087	1	-	-



ACQUA DOS PH / ORP

ASTRALPOOL

The Acqua Dos series digital dosing pump has a built-in pH/Redox control meter and is also compatible with the Fluidra Connect remote management system.

Other features are:

- Constant or proportional dosing according the measured pH or Redox value
- PT100 probe input for thermal compensation
- Repetition alarm relay
- Input On-Off for remote control
- 4÷20 mA output for measure transmission
- Minimum chemical level input (not included)
- pH or ORP electrode not included. See next page



		Code	Standard Pack	Standard weight in kg	Standard volume in m ³
pH / ORP	5 l/h - 10 bar	75078	1	-	-
PH / ORP	10 l/h - 10 bar	75080	1	-	-
PH / ORP	32 l/h - 4 bar	75082	1	-	-

DOSING PUMPS

COMPLETE PH SENSOR KIT

ASTRALPOOL 

Includes: 6 meters pH sensor, buffer solutions sensor holder, PVC bracket and level sensor.

Code	Standard Pack	Standard weight in kg	Standard volume in m ³
76209	1	-	-

COMPLETE REDOX SENSOR KIT

ASTRALPOOL 

Includes: 6 meters gold ORP sensor, buffer solution sensor holder, PVC bracket and level sensor.

Code	Standard Pack	Standard weight in kg	Standard volume in m ³
76210	1	-	-

SENSOR LEVEL

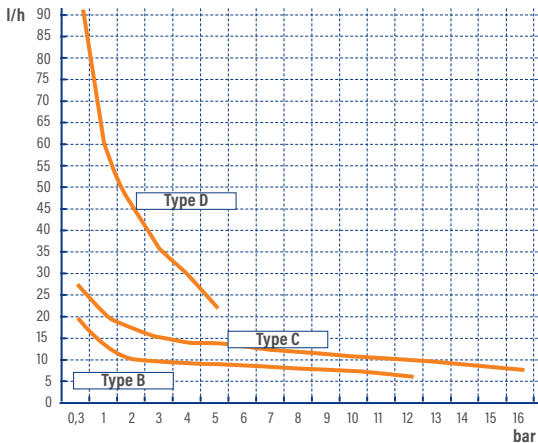
ASTRALPOOL 

Sensor level for Acqua Dos and Optima dosing pumps.

Code	Standard Pack	Standard weight in kg	Standard volume in m ³
51454	1	-	-

OPTIMA DOSING PUMPS

- + The OPTIMA dosing pump represents the development of more than 30 years of experience in the automatic dosing field.
- + This series reduces the number of pumps required to meet the various dosing needs.
- + The OPTIMA dosing pump series, with its power supply technology from 90, VCA to 265 VCA and at 50-60 Hz, ensures a precision and reliability never seen before.
- + Integration of many functions due to its simple programming, an alphanumeric display, the possibility of multilingual programming of the menu and a technology which permit controlled flow rate and back pressure.
- + Allows to use the same model for various applications providing a great versatility.
- + Systems manufactured in compliance with EC standards.
- + IP5 protection. 90-265V AC 50/60 Hz power supply.
- + Components in contact with chemicals are made of polypropylene, Viton, Teflon and PVC. (Other materials are available if made to order.)
- + Acid-resistant casing.
- + Moisture-resistant membrane push buttons.
- + Built-in purge valve.
- + No lubrication and little maintenance work required.
- + Sensors and calibration solutions not included.
- + Also available with a peristaltic pump (see page 246).



Sensors



pH sensor with calibration solutions (Code: 36004)	■		■	
Redox sensor with calibration solutions (Code: 36005)		■		■

DOSING PUMPS



OPTIMA NEXT CONSTANT FLOW RATE



The flow rate is fully adjustable from the flow meter. Power supply from 90 to 230 VCA at 50-60 Hz without plug.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Adjustable Optima manual pump at 8 bar and 5 l/h	66164	1	-	-



OPTIMA NEXT PROPORTIONAL AND VOLUMETRIC



OPTIMA pumps provide all the functions of proportional dosing in a single model.

Features:

- Proportional with analogue signals 4 - 20 mA.
- Reading of pulses/minute.
- Chemical product minimum level inlet.
- Pulse entry for dosing proportional from pulse emitter counter.
- Remote start/stop.
- Power supply from 90 to 265 VCA at 50-60 Hz without plug.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Model 8 bar and 5 litres	66165	1	-	-

DOSING PUMPS



OPTIMA NEXT PH / REDOX

ASTRALPOOL

OPTIMA dosing pump with built-in pH/Redox control instrument.

Automatic calibration by simply pressing a button, with the possibility of controlling the degree of sensor efficiency.

Features:

- Power supply from 90 to 265 VCA at 50-60 Hz without plug
- Manual temperature adjustment for pH or optional automatic adjustment with PT100 (sensor not included).
- Level control input.
- Remote off control.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Optima Next dosing pump redox control/pH control at 8 bar and 5 l/h	66166	1	-	-



OPTIMA BRACKET for mounting above tank

ASTRALPOOL

Optional bracket for mounting the OPTIMA series and pH Basic Plus in a horizontal position, for example on top of a chemical products tank.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
	36830	1	0.1	0.002



PERISTALTIC DOSING PUMPS

ASTRALPOOL

90/260V 50/60 Hz electrical connection.

The installation kit includes:

- Transparent glass-type flexible 2-m PVC suction pipe.
- Semi-rigid white polyethylene 2-m return pipe.
- 3/8" BSP m. injection valve.
- Pool floor filter.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Peristaltic pump 4 l/h (3 bar)	57179	1	-	-
Peristaltic pump 12 l/h (1 bar)	57178	1	-	-



POLYETHYLENE CYLINDRICAL TANKS

ASTRALPOOL

To hold chemicals for dosage pumps.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Capacity: 125 l	01314	1	4.5	0.120
Capacity: 250 l	01315	1	10.0	0.390
Capacity: 350 l	01316	1	14.0	0.510
Capacity: 500 l	01317	1	21.5	0.760
Capacity: 1000 l	28831	1	-	-

DOSING PUMPS



MANUAL STIRRER

ASTRALPOOL

For Polyethylene tanks.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Length 60 cm	01318	1	0.5	0.010
Length 90 cm	01319	1	1.2	0.020

CONTINUOUS FLOCCULATION SYSTEM



FLOC SYSTEM

ASTRALPOOL

Automation flocculant dosing adjustable flow water pools. Includes: adjustable pump from 151 cm³/h until 1.5 l/h, injector valve, bottom filter, suction and return tube.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
	54528	1	1	0.0044

WATER METERS



WOLTMAN TYPE TURBINE METERS

Axial turbine meter, Woltmann type, direct reading on numbered rollers. Dry dial counter, with magnetic drive. Clockwork and easily removable turbine.

Pre-equipment of pulse transmitter with plug and play system, with non-configurable pulse emitter. Meters between DN50 and DN125: 1 pulse each 100 liters and between DN150 and DN200: 1 pulse every 1000 litres. Ask for other configuration.

- No need for rectilinear sections, neither at the entrance nor at the exit of the meter. U0-D0.
- High precision in the measurement Metrology R160 horizontal position and vertical R100.
- Vacuum sealed dial(IP68).
- Cold water use 0,1 - 30°C.
- The Predator water meter can reach up to 16 bar.
- Potable water and irrigation type certificate.
- Easy installation of the pulse emitter.
- Pulse transmitter cable not included (code 71721).

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
WATER METER DN50 PN16	71714	1	-	-
WATER METER DN65 PN16	71715	1	-	-
WATER METER DN80 PN16	71716	1	-	-
WATER METER DN100 PN16	71717	1	-	-
WATER METER DN125 PN16	71718	1	-	-
WATER METER DN150 PN16	71719	1	-	-
WATER METER DN200 PN16	71720	1	-	-
WATER METER TRANSMITTER	71721	1	-	-



AUTOMATIC REGULATION AND CONTROL EQUIPMENT

AP PR-200

Compatible with water electrolysis



60359



60361



60362



The expert's choice for dosing control. The built-in panels based on Series AP PR controllers provide the best solution for the plug & play devices pre-assembled on the panel. There are several versions for the control of the water's pH, ORP and FREE CHLORINE levels.

AP PR-200 equipment is compatible with the Easy Salt, Easy Salt Next, ProChlore Salt, Nature Salt Plus and Neolysis ranges.

This is also the recommended solution for experts whenever several chlorination systems must be controlled at the same time from a single control and regulation panel (multiple control through the KIT TRI).

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
AP PR-206 pH/ORP	60359	1	-	-
AP PR-207 pH/Cl ₂ PPM	60361	1	-	-
AP PR-204 Cl ₂ PPM	60362	1	-	-

With integrated TRI KIT

AP PR-206 pH/ORP	60359+70338(KIT TRI)	1	-	-
AP PR-207 pH/Cl ₂ PPM	60361+70338(KIT TRI)	1	-	-
AP PR-204 Cl ₂ PPM	60362+70338(KIT TRI)	1	-	-

Optional:

TRI kit, 3-unit simultaneous control	70338	1	-	-
--------------------------------------	-------	---	---	---

CONTROL CONNECT

The smart multi-setting controller



A range of multi-setting control panels with colour touchscreen. Easy and efficient control of water sanitation. Fully automated pool water treatment.

- Multi-function TFT colour touchscreen.
- 4 programmable timer relays and 4 digital inputs.
- Poolstation (Ethernet as standard).
- Fluidra Connect Compatible.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
pH / ORP / Temp. with in-line sensor holder	71537	1	5.85	-
pH / ORP / Temp. with panel sensor holder	71538	1	6.85	-
pH / Cl (ppm) / Temp. with panel sensor holder	71539	1	6.85	-



71537



71538



71539

AUTOMATIC REGULATION AND CONTROL EQUIPMENT



AMPEROMETRIC CHLORINE Sensors

ASTRALPOOL

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Free Chlorine Sensor	60645	1	0.22	-
ECC1 Electrolyte / Gel	60646	1	0.07	-
Membrane for CL.01.02	60647	1	0.02	-



PH / ORP SENSORS

ASTRALPOOL

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
pH combined sensor	60648	1	0.20	-
ORP sensor	60649	1	0.20	-



CALIBRATION SOLUTIONS

ASTRALPOOL

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Buffer solution pH 7.0 - 30 mL (Green)	60618	1	0.053	-
Buffer solution pH 4.0 - 30 mL (Red)	60632	1	0.058	-
Calibration solution 470 mV - 30 mL	60633	1	0.060	-



POOL PATROL

ASTRALPOOL

The Colorimetric controller unit gives a reply to the demand of the Swimming Pool Market requiring compact, easy and low maintenance device, with IP65 enclosure. The available measures are: Free Chlorine (DPD1), pH, Redox (ORP), Temperature. Thanks to its internal graphic display it is possible to have all measures displayed at the same time. The Plastic Cover assures an easy accessibility to the hydraulic part.

Includes: Measuring instrument, flow detector by temperature, pH sensor, ORP sensor, pH calibration solutions, ORP calibration solutions and DPD2 bottle.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Pool Patrol	54527	1	-	-



GUARDIAN POOL

+ A fully automated electronic control unit with potentiometric measurements of pH and Redox potential or an amperometric measurement selective chlorine

The new Guardian Pool unit combines traditional control and dosing elements with a total digital control of its values that facilitates the management of the pool parameters, as well as its history to analyse or detect possible errors. Guardian Pool stands out for its high performance in the control and regulation of chemical products for use in private pools and public pools. Innovative design 7" high resolution touch screen display, firmware update through its USB port, which is also used for downloading the swimming pool data, and a great feature is the WIFI communication, to control the equipment through any mobile device, tablet or PC, inside its radius of range.

Advantages:

- New intuitive and user friendly multilingual user interface.
- Depending on model, simultaneous readings of pH, ORP, Temperature, Free Chlorine, Total Chlorine, Combined Chlorine and Turbidity.
- Internal datalogger with 4Mb of memory, up to 16,000 records, with the possibility of downloading data, displaying graphs and displaying the screen at the time of data input.
- Display of alarms by parameter.
- Chlorine measurement sensor, using Sodium Hypochlorite, Dichlor, Trichlor or Salt Chlorine, with stable reading up to 500 ppm of Isocyanuric Acid.
- Possibility to use electrodes for Bromine, Peroxide, Peracetic, Ozone ...
- 2 control relays for pH and Free Chlorine parameters, powered at 230V 50/60Hz 6A.
- 1 control relay powered for ORP at 230V 50/60Hz 6A.
- 1 control relay for Temperature 230V 50/60Hz with the possibility of associating it to Total Chlorine or Combined Chlorine.
- 2 alarm relays, potential free, configurable to any measurement, including flow rate, or as a general system alarm.
- RS485 Modbus Fluidra Connect RS485 communication port.
- Electrode holder with LED lighting for failure identification.

Technical Specifications:

- Innovative design.
- 7 " touch screen (240x128 pixels backlit display).
- Modular probe holder
- Digital central with full access to all its parameters.
- Easy to use.
- For pools dosed with stabilized chlorine (solid), non-stabilized chlorine (liquid or solid), or bromine.
- Includes double relay outputs for each parameter, adjustable 4-20 mA outputs
- WiFi module with internal Webserver page settings
- Fluidra connect compatible
- Multilingual menu
- The signal inputs of the sensors are galvanically isolated.
- USB port for download parameter and Firmware upgrade function.
- Adjusting the proportional dosage on proportional pump .



72700

72701



72702

72703



72704

72705



Fluidra Connect compatible



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Guardian Pool 1	72700	1	-	-
Guardian Pool 2	72701	1	-	-
Guardian Pool 3	72703	1	-	-
Guardian Pool 4	72702	1	-	-
Guardian Pool 5	72704	1	-	-
Guardian Pool 6	72705	1	-	-
Guardian Pool 7	74720	1	-	-

Model	Guardian Pool 1	Guardian Pool 2	Guardian Pool 3	Guardian Pool 4	Guardian Pool 5	Guardian Pool 6	Guardian Pool 7
	Chlorine 10 ppm	Chlorine 2 ppm	pH / ORP	pH / Chlorine 10 ppm	pH / ORP / °C / Chlorine 10 ppm(1)	pH / ORP / °C / Free and Total Chlorine 10 ppm / NTU(1)	pH / Chlorine 10 ppm / NTU
Code	72700	72701	72703	72702	72704	72705	74720
Water uses	Drinking water	Drinking water	Residential / Commercial Pools	Commercial Pools	Commercial Pools	Commercial Pools	Commercial Pools
Sensors	pH		✓	✓	✓	✓	✓
	ORP		✓		✓	✓	
	Temperature	✓	✓	✓	✓	✓	✓
	Chlorine libre 2 ppm	✓					
	Chlorine libre 10 ppm	✓		✓	✓	✓	✓
	Chlorine Total 10 ppm					✓	
	Chlorine Combinado					✓	
	Turbidez 10 NTU					✓	✓

(1) PT-100 temperature sensor included. (2) ORP probe with gold cathode (Au).

AUTOMATIC REGULATION AND CONTROL EQUIPMENT

ASTRALPOOL 

CONTROLLER

The panels in the CONTROLLER range are fully equipped and assembled systems. They are therefore ideal for use in water treatment.

Their simple, compact design makes installation and start-up extremely easy.

They come with all of the components and accessories required for rapid assembly. All assemblies are made of PVC sheets, in various sizes depending on the model.

General technical features

- Range of available sizes depending of the sensor selected.
- Range available for free chlorine: 0-2, 0-5 0-10, 0-20 and 0-200 ppm.
- pH range: 0-14.
- ORP range: +/-1500 mV.
- Temperature range: 0-50°C.
- Measurement of stable chlorine with low pH dependence.
- Self-calibration of all sizes.
- Alarm signal if water flow is insufficient.
- Instrument with IP65 protection rating.
- 250 V-10 A relays for connecting dosing pumps or salt chlorinators.
- 4-20 mA analogue outlets with repeat signal or manifold for proportional pumps.
- Power supply: 230 V / 50 Hz.
- Setpoints and programmable alarms.
- Pump pause function during calibration and for stopping flow.
- Temperature readings and readjustment (automatic with PT100 sensor included).
- Three types of setpoint settings. On/Off, Proportional in Time and Proportional by Pulses.
- RS485 communications port.

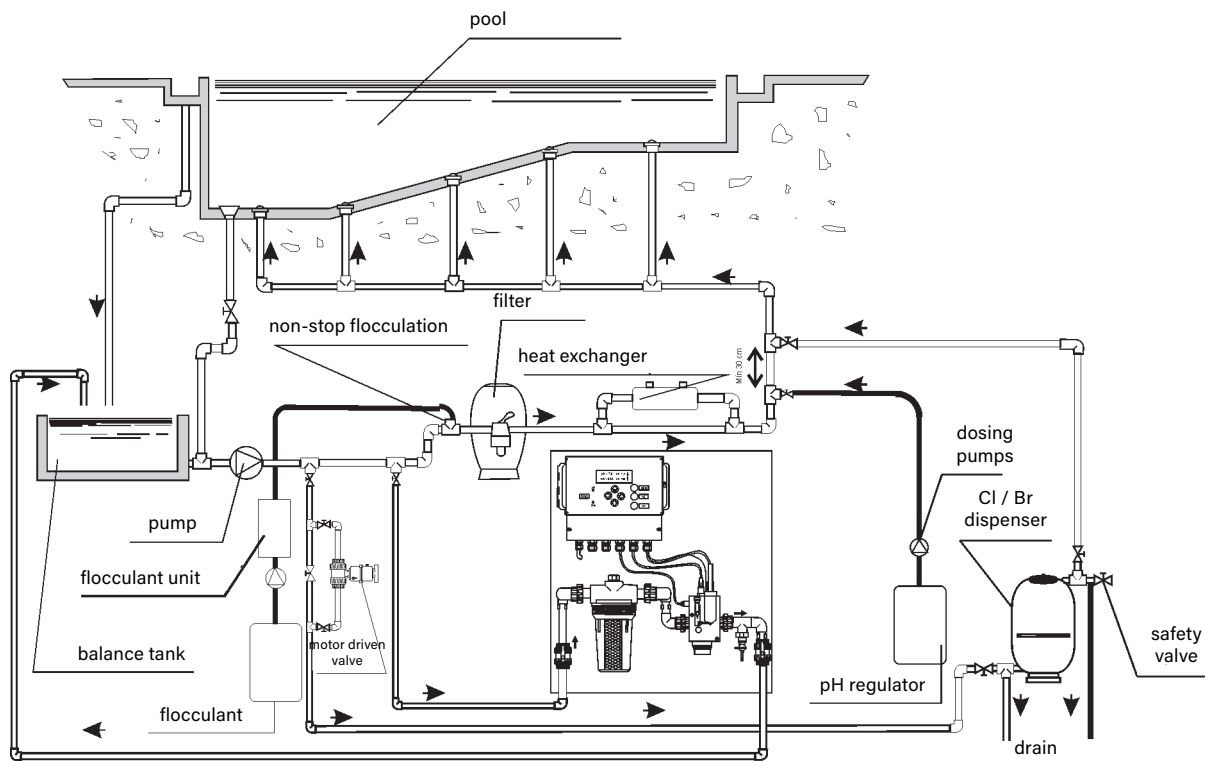
Components included in the assembly:

- Methacrylate sensor holder, with flow regulator, sample taking valve and flow sensor.
- Filter holder and 80 micron filter cartridge for water inlet.
- DPD calibration standard solutions.
- Assembly accessories, and instruction and installation manual.
- Sensors depending on version.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Controller pH / Redox	66178	1	-	-
Controller pH / Free Chlorine	66177	1	-	-
Controller pH / ORP / Free Chlorine	66176	1	-	-
Controller Free Chlorine	66175	1	-	-
pH/Amperometric-free chlorine sensor	66168	1	-	-
pH/ORP/Amperometric free chlorine sensor	66169	1	-	-
Controller pH / ORP / Free Chlorine / Total amperometric chlorine	66170	1	-	-

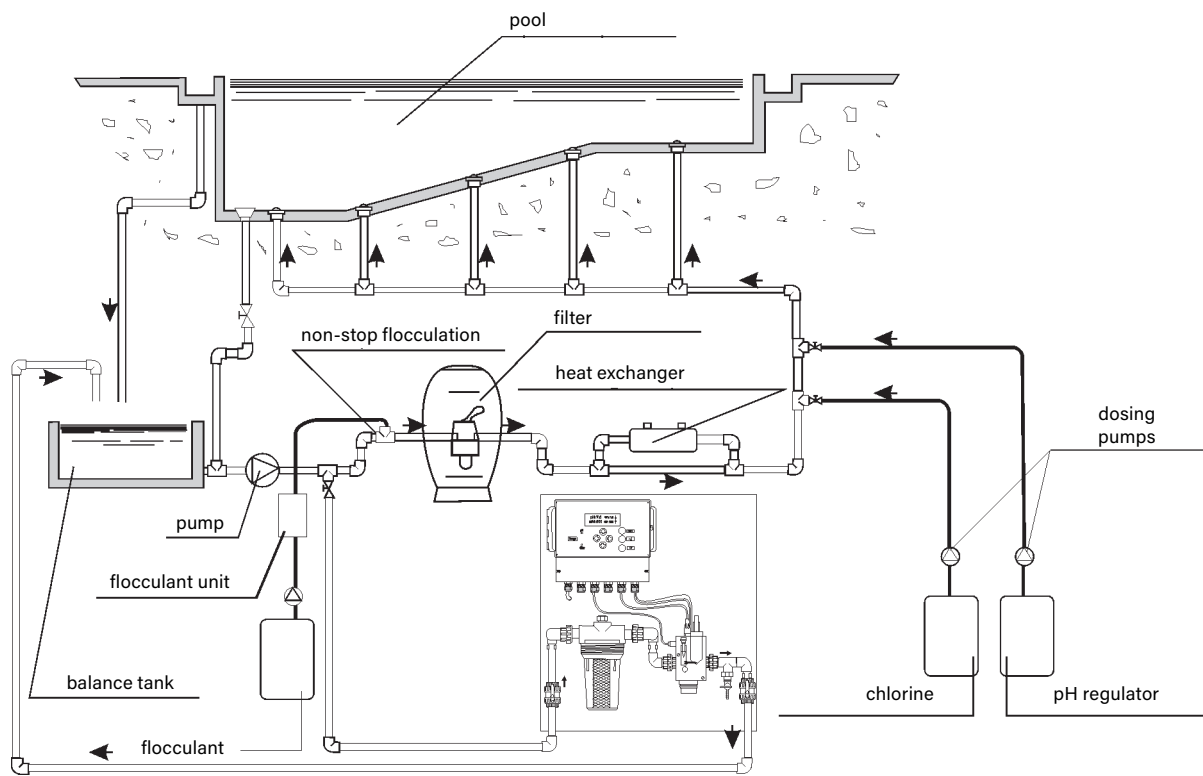


INSTALLATION DIAGRAM FOR ORGANIC CHLORINE OR BROMINE



AUTOMATIC REGULATION AND CONTROL EQUIPMENT

INSTALLATION DIAGRAM FOR INORGANIC CHLORINE





POOLS

CLEANING

256 AUTOMATIC COMMERCIAL POOL CLEANERS

- 256 Vortrax TRX 8500 iQ
- 257 Vortrax TRX 8700 iQ
- 258 Arco
- 259 Arcomax

AUTOMATIC COMMERCIAL POOL CLEANERS



TRX 8500 IQ - VORTRAX



Specifically designed for intensive use in small or medium-sized public pools (hotels, campings, apartments, etc.) with rigid walls up to 20 m length tough, smart and ultra-efficient.

- + High performance brushless electronic motor.
- + Easy-to-clean brush system.
- + Sensor Nav Sytem TM: intelligent and personalised cleaning with anti-tangle compass system without the need of swivel.
- + Heavy-duty materials and traction system for intensive use.
- + Ultra-powerful and long-lasting suction with easy-to-clean filters.

Code



Standard Model

WR000597

Accessories

Trolley
Control box
Dual-Stage filter 150 + 60µ (with possibility to use 150µ alone)
Contact Brushes
Free app

FOR WHICH TYPE OF POOLS?

Types of pools	Small to medium public pools (hotels, campings, apartments) with rigid walls, up to 20m length
Pool shapes	Rectangular, oval, freeshape
All Floors	Flat, gentle slope, composite slope, diamond shape
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION

Cleaning areas	Floor / walls / waterline
Number / Length of cleaning cycles	Multiple from 0h30 to 6h00 with preset cycles: - Quick: floor only 1h15 - Smart: floor / walls / waterline (calculated time) - Ultra: floor / walls / waterline (2h45)
Timer / Delayed start	7-days timer / Up to 3h delayed start
Power supply	Autonomous, connected to 230V main supply before the transformer
Steering	Pre-programmed
Drive system	Tracks system drive - 2 brushless motors
Transmission	Gear transmission with reinforced components
Pressure sensor	Yes
Brushes	Yes (Contact + ZZ Brushes)
Lift System	Yes
Full filter indicator	Yes
Remote control	Remote control mode (with app)
Water temperature measurement	Yes
Pressure depth sensor	Yes
Safety	Deck system, out of water safety, diagnostic, electronic motor protector
Filtration system / access	Rigid Filter canister with access over the cleaner
Units / pallet	12

TECHNICAL SPECIFICATIONS

Number of motors	3
Control box supply	200-240 VAC ; 50 / 60Hz
Power supply	30 VDC
Operating power	150 W
Cable length / Hose length	25m
Cleaner size (L x W x h)	47 x 51 x 29 cm
Packaging size (L x W x h)	56 x 56 x 46 cm
Cleaner weight	11 kg
Packaging weight	21 kg
Filtering surface and level	1180 cm ³
Filtering capacity	5L
Inlet suction size / /Cleaned width	24.5 cm

OPTIONAL ACCESSORIES (NOT INCLUDED)

Fine filter canister 100µ	Fine filter canister 200µ
R0863600	R0863700

AUTOMATIC COMMERCIAL POOL CLEANERS



TRX 8700 IQ - VORTRAX

Specifically designed for intensive use in public pools (hotels, campings, sports centers etc.) with rigid walls up to 25 m length tough, smart and ultra-efficient.

- + Ultrasonic sensors to detect walls and obstacles.
- + High performance brushless electronic motor.
- + Kinetic remote control.
- + Easy-to-clean brush system.
- + Sensor Nav Sytem TM: intelligent and personalised cleaning with anti-tangle compass system without the need of swivel.
- + Heavy-duty materials and traction system for intensive use.
- + Ultra-powerful and long-lasting suction with easy-to-clean filters.

3 YEAR
WARRANTY*



Code

Standard Model

WR000598

Accessories

Trolley
Control box
Dual-Stage filter 150 + 60µ (with possibility to use 150µ alone)
Contact Brushes
Free app
Kinetic bluetooth remote control

FOR WHICH TYPE OF POOLS?

Types of pools	Public pools (hotels, campings, sports centers) with rigid walls, up to 25m length
Pool shapes	Rectangular, oval, freeshape
All Floors	Flat, gentle slope, composite slope, diamond shape
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION

Cleaning areas	Floor / walls / waterline
Number / Length of cleaning cycles	Multiple from 0h30 to 6h00 with preset cycles: -Quick: floor only 1h15 -Smart: floor / walls / waterline (calculated time) -Ultra: floor / walls / waterline (2h45)
Timer / Delayed start	7-days timer / Up to 3h delayed start
Power supply	Autonomous, connected to 230V main supply before the transformer
Steering	Pre-programmed
Drive system	Tracks system drive - 2 brushless motors
Transmission	Gear transmission with reinforced components
Pressure sensor	Yes
Brushes	Yes (Contact + ZZ Brushes)
Lift System	Yes
Full filter indicator	Yes
Remote control	Kinetic bluetooth remote control
Ultrasonic sensors	Yes
Water temperature measurement	Yes
Pressure depth sensor	Yes
Safety	Deck system, out of water safety, diagnostic, electronic motor protector
Filtration system / access	Rigid Filter canister with access over the cleaner
Units / pallet	12

TECHNICAL SPECIFICATIONS

Number of motors	3
Control box supply	200-240 VAC ; 50 / 60Hz
Power supply	30 VDC
Operating power	150 W
Cable length / Hose length	30m
Cleaner size (L x W x h)	47 x 51 x 29 cm
Packaging size (L x W x h)	56 x 56 x 46 cm
Cleaner weight	13 kg
Packaging weight	24 kg
Filtering surface and level	1180 cm³
Filtering capacity	5L
Inlet suction size / /Cleaned width	24,5 cm

OPTIONAL ACCESSORIES (NOT INCLUDED)

Fine filter canister 100µ	Fine filter canister 200µ
R0863600	R0863700

AUTOMATIC COMMERCIAL POOL CLEANERS



ARCO

Specifically designed for intensive use in public pools tough, smart and ultra-efficient

- + Infrared sensor for detecting walls and obstacles
- + Gyroscope and compass smart navigation system
- + Delayed Start system for setting cleaning time
- + Remote control for manual use
- + Turbo mode for extra speed and power
- + Traction system reinforced with ball bearings for intensive use
- + Ultra-powerful, long-lasting suction



Code

2 YEAR
WARRANTY



Standard Model

WR000396

Accessories

Trolley
Remotecontrol
Capacitive control box
Dual bag filter 5μ + 250μ
Free Bluetooth® app

FOR WHICH TYPE OF POOLS?

Types of pools	Medium public pools (sports centers, institutional pools, hotels) with rigid walls, up to 30 m length
Pool shapes	Rectangular, oval, freeshape
All Floors	Flat, gentle slope, composite slope, diamond shape
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION

Cleaning areas	Floor /walls
Number / Length of cleaning cycles	Multiple with preset cycles -Floor Mode: floor -Wall and floor mode: floor walls and waterline/ -Delayed start: the 2 cleaning modes will start with 3 hours delayed
Delayed start	Yes up to 3 hours
Power supply	Autonomous, connected to 230V main supply before the transformer
Steering	Pre-programmed
Drive system	Tracks system drive -2 motors
Transmission	Belt transmission with reinforced components
Infrared sensor	Yes
Brushes	PVA
Full filter indicator	Yes
Remote control	Yes (Bluetooth®)
Filtration system / access	Dual bag filter with access under the cleaner
Units / pallet	9 / pallet

TECHNICAL SPECIFICATIONS

Number of motors	3
Control box supply	110-240 VAC ; 50 / 60 Hz
Power supply	24 VDC
Operating power	150 W
Cable length / Hose length	30 m
Cleaner size (L x W x h)	47,5 x 43 x 54 cm
Packaging size (L x W x h)	80 x 40 x 60 cm
Cleaner weight	11,3 kg
Packaging weight	22 kg
Filtering capacity	3.1 kg
Max depth	5 m
Inlet suction size / Cleaned width	40 cm

AUTOMATIC COMMERCIAL POOL CLEANERS



ARCOMAX



Designed for a heavy-duty and intensive use in medium and big public pools

- + Infrared sensor for detecting walls and obstacles
- + Gyroscope and compass smart navigation system
- + Delayed Start system for setting cleaning time
- + Remote control for manual use
- + Turbo mode for extra speed and power
- + Traction system reinforced with ball bearings for intensive use
- + Ultra-powerful, long-lasting suction

Code



Standard Model

WR000397

Accessories

Trolley
Remotecontrol
Capacitive control box
Dual bag filter 5μ + 250μ
Free Bluetooth® app

FOR WHICH TYPE OF POOLS?

Types of pools	Medium and big public pools (swim and sports centers, institutional pools) with rigid walls, up to 50 m length
Pool shapes	Rectangular
All Floors	Flat, gentle slope, composite slope, diamond shape
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION

Cleaning areas	Floor /walls
Number / Length of cleaning cycles	Multiple with preset cycles -Floor Mode: floor -Wall and floor mode: floor walls and waterline/ -Delayed start: the 2 cleaning modes will start with 3 hours delayed
Delayed start	Yes
Power supply	Autonomous, connected to 230V main supply before the transformer
Steering	Pre-programmed
Drive system	Tracks system drive -2 motors
Transmission	Belt transmission with reinforced components
Infrared sensor	Yes
Brushes	PVA
Full filter indicator	Yes
Remote control	Yes (Bluetooth®)
Filtration system / access	Dual bag filter with access under the cleaner
Units / pallet	3 / american pallet

TECHNICAL SPECIFICATIONS

Number of motors	3
Control box supply	110-240 VAC ; 50 / 60 Hz
Power supply	24 VDC
Operating power	150 W
Cable length / Hose length	40 m
Cleaner size (L x W x h)	85 x 43 x 54 cm
Packaging size (L x W x h)	90 x 51 x 62 cm
Cleaner weight	20,4 kg
Packaging weight	28 kg
Filtering capacity	5.1 kg
Max depth	5 m
Inlet suction size / Cleaned width	80 cm



POOLS

DEHUMIDIFICATION

334 DEHUMIDIFIERS

- 334 Hygro Control
- 336 CAE
- 340 Omega
- 344 Ventilation accessories
- 345 BDP Confort Dehumidifying Unit
- 346 AirPool
- 348 AirPool+
- 350 Optional U.V. disinfection system

HYGRO CONTROL



Simple dehumidification

Hygro Control is a hygro-thermostat designed exclusively by Zodiac® for easy and intuitive control of the dehumidification equipment.



REFERENCE POINT

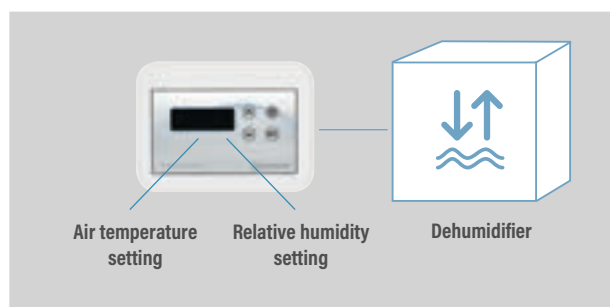
Find Zodiac® dehumidification products equipped with the Hygro Control function by locating this pictogram in the catalogue.

> HOW DOES IT WORK?

Hygro Control is an accurate and easy to use digital control unit for **setting the desired relative humidity**. Relative humidity characterises the moisture in the air, specifically the quantity of water present as gas in the air in the room or conservatory housing the pool.

If the dehumidifier is fitted with the 'heating' option, Hygro Control can also set the room air temperature.

The unit is supplied with CAE, DF and OMEGA dehumidifiers. Mounted on the wall, it is connected to the dehumidifier.



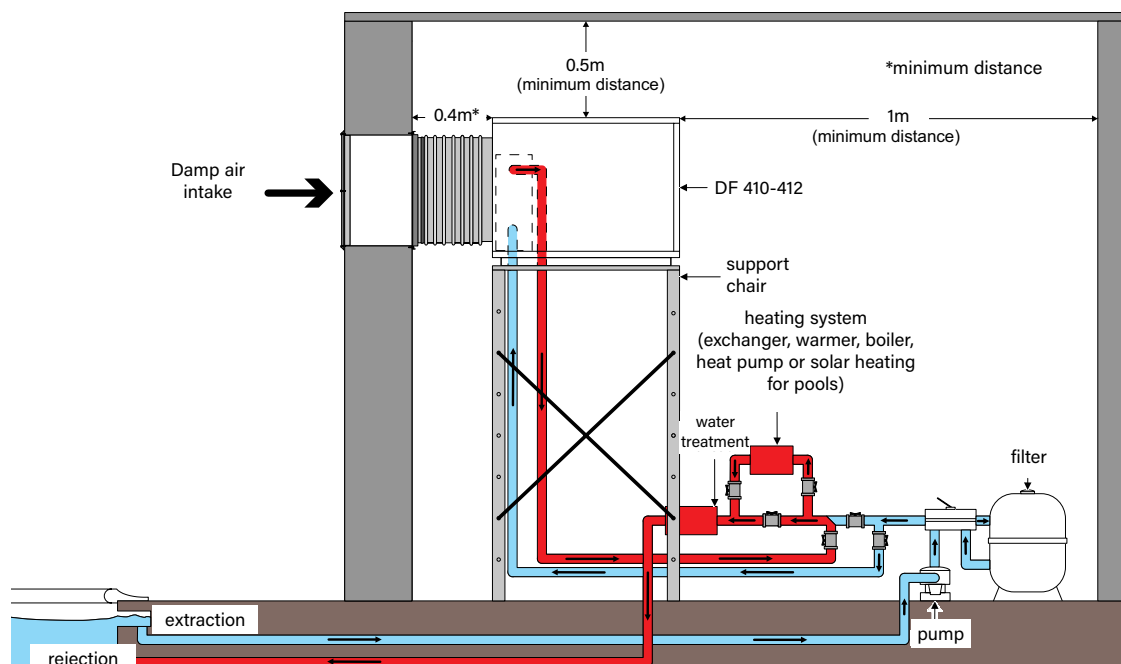
DEHUMIDIFIERS

HYGRO CONTROL



STANDARD INSTALLATION

- Hygro Control should be installed at least 50cm from the outlet
- Do not put it above the system (SIROCCO) or above an outlet grille (CAE, DF, OMEGA)
- It should be at least 1.5m from the floor



Example of an installation with a CAE

Equipping a pool with a good roof and a suitable ventilation system for the room increases the efficiency of the dehumidification system.



DEHUMIDIFIERS



CAE



- + Vertical, ducted installation with modular air intake/outlet configurations
- + Available in 4 capacities (8 to 13.5 l/h)
- + Air heating options (electrical heating or hot water coil)
- + Titanium water condenser option, enabling to re-use the excess heat to warm the pool

ACCESSORIES INCLUDED IN THE PACK


2 YEAR
WARRANTY

Hygro control box



PRODUCT REFERENCE

CAE ducted****	508M	508T	510T	513T	513T	
Standard model	W28CAE8M	W28CAE8	W28CAE10	W28CAE13	W28CAE13	
Model with water condenser option	W28CAE8MC	W28CAE8C	W28CAE10C	W28CAE13C	W28CAE13C	
Model with electric heating option	W28CAE8ME	W28CAE8E	W28CAE10E9	W28CAE10E18	W28CAE13E9	W28CAE13E18
	4.5 kW	9 kW	9 kW	18 kW	9 kW	18 kW
Model with electric heating option and water condenser	W28CAE8MEC	W28CAE8EC	W28CAE10E9C	W28CAE10E18C	W28CAE13E9C	W28CAE13E18C
	4.5 kW	9 kW	9kW	18kW	9 kW	18 kW
Model with hot water coil option	W28CAE8MB	W28CAE8B	W28CAE10B		W28CAE13B	
	23 kW	23 kW	35 kW		41 kW	
Model with hot water coil option and water condenser	W28CAE8MBC	W28CAE8BC	W28CAE10BC		W28CAE13BC	
	23 kW	23 kW	35 kW		41 kW	

TECHNICAL SPECIFICATIONS

CAE ducted****	508M	508T	510T	513T
Capacity (l/h)*	8		10	13.5
Absorbed power*** (W)	2710		4040	5430
Nominal airflow (m³/h)	2040		2720	3400
Air flow (m³/h)	2400		3050	3800
Min. air flow (m³/h)	1780		2380	2970
Available pressure (mmCE)	15		19	23
Electric power supply	220-240V / 1 N~ / 50Hz		380-400V / 3N~ / 50Hz	
Nominal absorbed intensity (A)***	17.5	5.3	8.5	11
Max. absorbed intensity (A)***	371	8	14.5	17
Refrigerant fluid quantity (kg)	1.3/1.45 (1)		2.2/2.5 (1)	
Acoustic Power ((dB(A))**	-	77.6	-	77.6

For all CAE orders a deposit of 30% will be requested with the order.

* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.

** Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.

*** excluding the power consumption of electric heating option.

**** An annual check of the sealing of the refrigerating circuit must be carried out for all refrigerating equipment with a load in refrigerating fluid >2 kg and < 30 kg (cf. Art 3 7/05/05 regulation, French decree n° 737-2007). CAE 510 single phase on request.

(1) for units with water condenser option.

DEHUMIDIFIERS

CAE

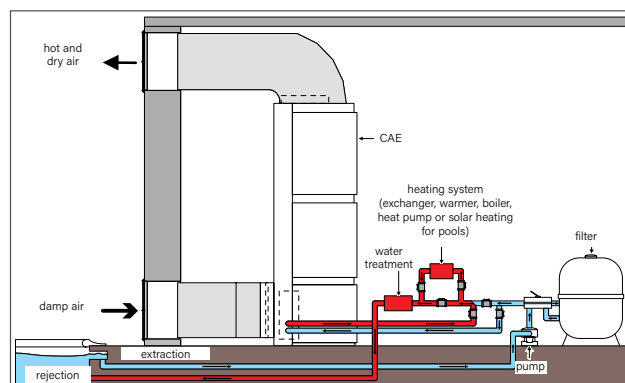


HOT WATER COIL SPECIFICATIONS

CAE ducted****	508M	508T	510T	513T
Power (kW) with primary at 50-40 °C / 90-70 °C	5.9 / 23		9.8 / 35	11.6 / 41
Water flow (m³/h) with primary at 90/70°C	1		1.6	1.9
Load loss (mmCE) with primary 90/70°C	1250		1900	2500
Connection (mm)	20 / 27 male thread			

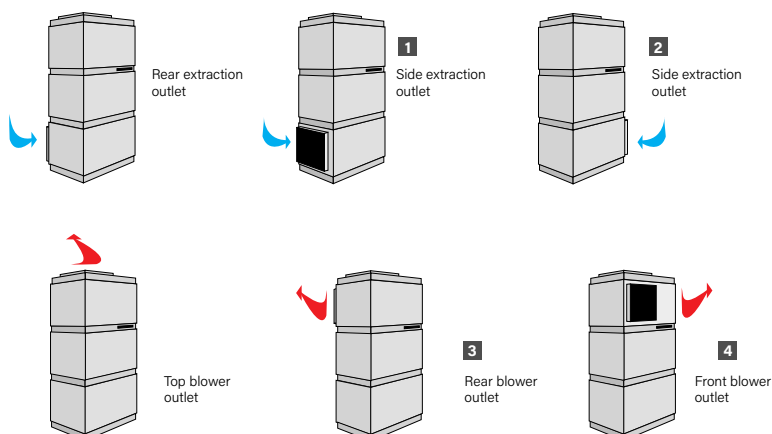
EXTRACTION AND BLOWER OPTIONS

- Installation of an appliance with the TITANIUM water condenser option.
- Damp air intake: the standard intake is installed in the lower part at the rear of the CAE. Optionally, the intake can be installed in the lower part on the left or right hand sides of the CAE.
- Dry air blower: the standard dry air blower is installed in the upper part on the top of the CAE. Optionally the blower can be installed on the top part on the front or rear face of the CAE.



EXTRACTION AND SUPPLY

CAE ducted****	508M	508T	510T	513T
Extractor on the left (frame + filter) 1	W28REGA			
Extractor on the right (frame + filter) 2	W28REDR			
Rear blower (frame) 3	W28SOAR			
Front blower (frame) 4	W28SOAV			



DEHUMIDIFIERS

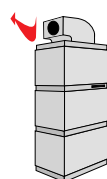
CAE



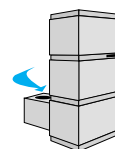
EXTRACTION AND SUPPLY BOX

CAE ducted****	508M	508T	510T	513T
Diameter	Ø 400		Ø 500	
Circular angled outlet	WCH01251		WCH01252	
System central intake box	WCH01253		WCH01254	
Intake box for 625 x 425 grate	WCH03719		Contact us	

Other accessories or casing: contact us



5
Circular angled
outlet



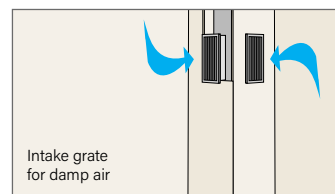
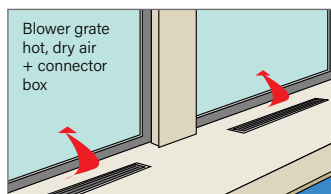
6
Intake box

SOUND TRAP

CAE ducted****	508M	508T	510T	513T
Diameter	Ø 400		Ø 500	
Sound trap	WCH03682		WCH03683	

CAE TECHNICAL ROOM + DUCTS

- Installation of an appliance with the TITANIUM water condenser option.
- Damp air intake: the standard intake is installed in the lower part at the rear of the CAE. Optionally, the intake can be installed in the lower part on the left or right hand sides of the CAE.
- Dry air blower: the standard dry air blower is installed in the upper part on the top of the CAE. Optionally the blower can be installed on the top part on the front or rear face of the CAE.



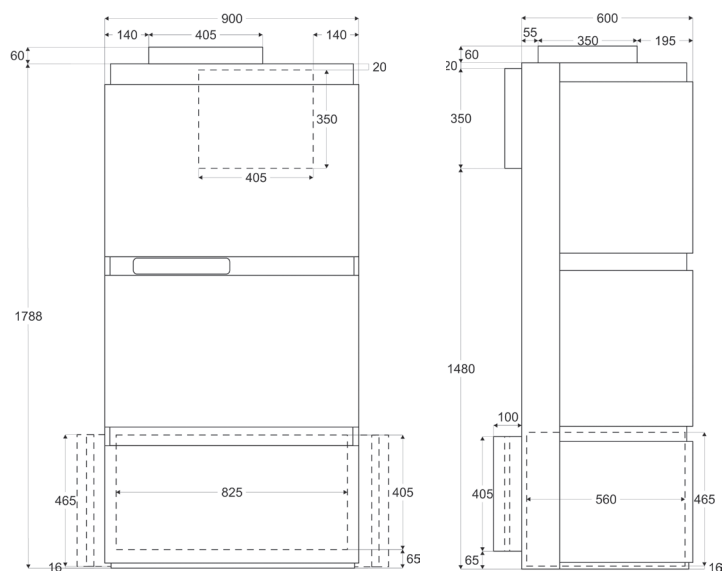
DEHUMIDIFIERS

CAE



DIMENSIONS (MM) AND WEIGHT

CAE ducted****	508M	508T	510T	513T
Weight (kg, excluding accessories and options)	228		235	240

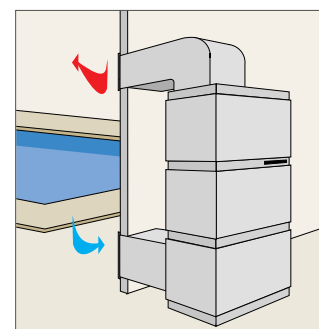


AIR EXTRACTION AND SUPPLY ACCESSORIES

CAE ducted****	508M	508T	510T	513T
Diameter	Ø 400		Ø 500	
Circular rear extraction accessories ⁽¹⁾	WCH01245		WCH01246	
Circular side extraction accessories ⁽¹⁾	WCH01247		WCH01248	
Circular top extraction accessories ⁽²⁾	WCH01249		WCH01250	
Circular front/rear blower accessories ⁽¹⁾	WCH01249		WCH01250	

OPTIONAL ACCESSORIES

625 x 425 grate (plan for 2 grates)	Double 625 x 425 deflector (blower)	Sound trap	Blower angle	Remote regulator box for the dehumidifier	Remote regulator box for 2 dehumidifiers
WTT02355	WTT02366	WCH01234	WCH01255	R0771000	R0771100



DEHUMIDIFIERS



OMEGA



- + Vertical, ducted installation with modular air intake/outlet configurations
- + Available in 5 capacities (10 to 20 l/h)
- + Air heating options (electrical heating or hot water coil)
- + Titanium water condenser option, enabling to re-use the excess heat to warm the pool



2 YEAR
WARRANTY



ACCESSORIES INCLUDED IN THE PACK



Hygro control box

PRODUCT REFERENCES

OMEGA ducted	10T	14T	16T	20T
Standard model	W28OM10	W28OM14	W28OM16	W28OM20
Model with water condenser option	W28OM10C	W28OM14C	W28OM16C	W28OM20C
Model with electric heating option	W28OM10E	W28OM14E	W28OM16E	W28OM20E
Model with electric heating option and condenser	W28OM10EC	W28OM14EC	W28OM16EC	W28OM20EC
Model with hot water coil option	W28OM10B	W28OM14B	W28OM16B	W28OM20B
Model with hot water coil option and condenser	W28OM10BC	W28OM14BC	W28OM16BC	W28OM20BC

TECHNICAL FEATURES

OMEGA ducted	10T	14T	16T	20T
Capacity (l/h)*	10	14	16	20
Absorbed power*** (W)	3 840	4 390	5 830	6 430
Air flow (m³/h)	3 000	4 000	5 000	6 000
Available pressure (mmCE)	20			
Electric power supply	380-400V / 3N~ / 50Hz			
Nominal absorbed intensity (A)***	7.6	9	12	16.4
Max. absorbed intensity (A)***	13	16	18.5	20.1
Refrigerant fluid	R407C			
Refrigerant fluid quantity (kg)	3.5/3.8 (1)		3.5/3.9 (1)	3.5/3.8 (1)
Acoustic Power ((dB(A))**	-	83.6	-	82

For all OMEGA orders a deposit of 30% will be requested with the order.

* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.

** Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.

*** excluding the power consumption of electric heating option.

**** An annual check of the sealing of the refrigerating circuit must be carried out for all refrigerating equipment with a load in refrigerating fluid >2 kg and < 30 kg (cf. Art 3 7/05/05 regulation, French decree n° 737-2007).

(1) for units with water condenser option.

DEHUMIDIFIERS

OMEGA



ELECTRIC RESISTANCE SPECIFICATIONS

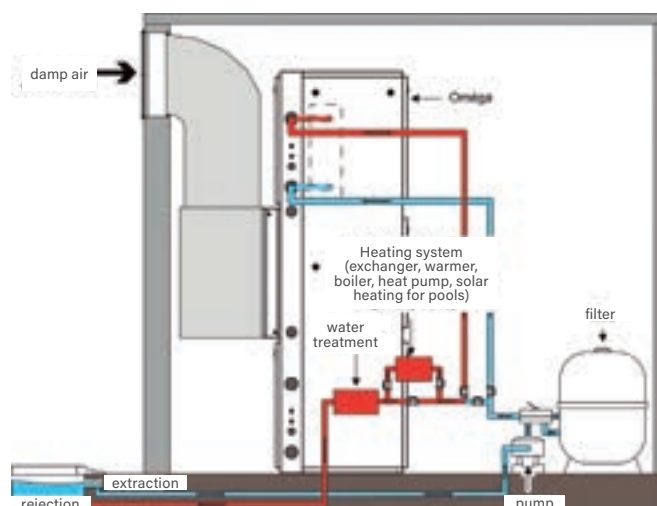
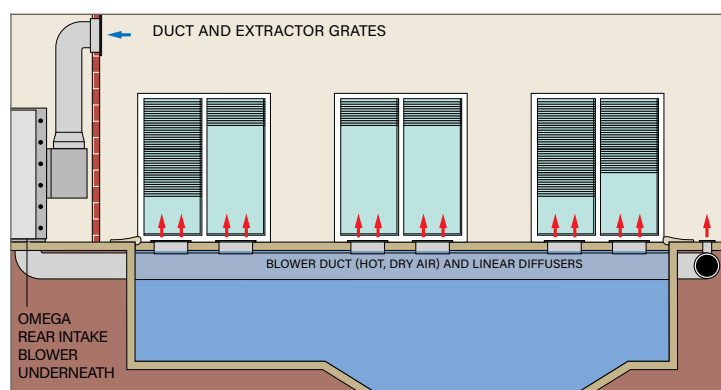
OMEGA ducted	10T	14T	16T	20T
Electric resistance power (kW)	24	34	42	53
Electric resistance Max. absorbed intensity (A)	9.5	11.6	13.6	15.2

HOT WATER COIL SPECIFICATIONS

OMEGA ducted	10T	14T	16T	20T
Power (kW) with primary at 50-40 °C / 90-70 °C	9.5 / 24	11.6 / 34	13.6 / 42	15.2 / 53
Water flow (m³/h) with primary at 90/70°C	1.66	2.03	2.35	2.64
Load loss (mmCE) with primary 90/70°C	930	1340	1760	2170
Connection (mm)	20 / 27 male thread			

INSTALLATION

- Installation in a technical room nearby the pool hall.
- Damp air extractor frame on the rear face for connection to wall or ceiling extractor duct.
- Hot, dry air blower either under or over the system for direct assembly on buried ducts or ceiling service area ducts.
- Simplified aeraulic assembly with very little load loss making it possible to keep the available ventilator pressure for the duct network.
- Hot water coil or extra electric heating fitted inside the system (see options).
- A remote regulator box, temperature sensor and humidity sensor in a duct and box enable you to adjust the operation of one unit or two dehumidifier units.



DEHUMIDIFIERS

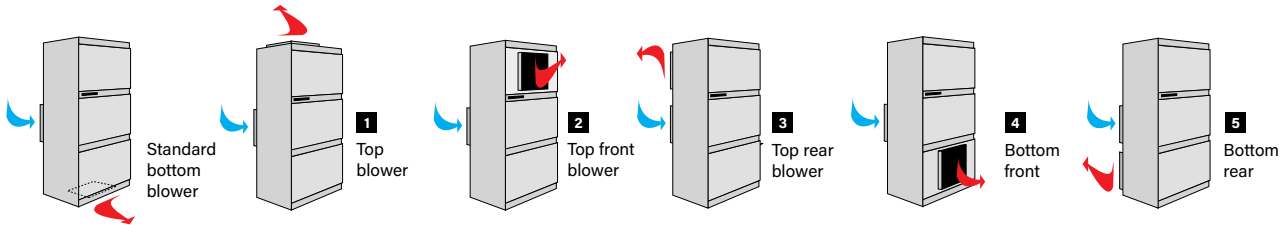
OMEGA



BLOWER OPTIONS

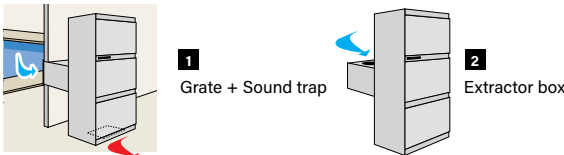
OMEGA ducted		10T	14T	16T	20T
Blower on the top	1	W28SODE			W28SODE20
Blower on the top to the front	2	W28SOHAV			W28SOHAV20
Blower on the top to the rear	3	W28SOHAR			W28SOHAR20
Blower on the bottom to the front	4	W28SOBAV			
Blower on the bottom to the rear	5	W28SOBAR			

The standard blower on the OMEGA systems is installed under the system (blower inversed compared to the CEA). Optionally, blower can be installed on the top or bottom and either to the front of the rear.



OMEGA INTAKE

OMEGA ducted		10T	14T	16T	20T
Extractor grate 1000 x 600 (4000 à 6000 m³/h) with counter frame	Grate	WFA01477			
	Counter frame	WFA01479			
Sound trap 600 mm (for direct intake from 100 X 600 grate)	1	WCH01236			
Extraction box for Omega systems	2 Caisson	WCH02822		WCH03048	
	Diameter	Ø500		Ø630	
Intake box for 1000 x 600 grate	Caisson	WCH02822		WCH03048	
	Diameter	Ø500		Ø630	



DEHUMIDIFIERS

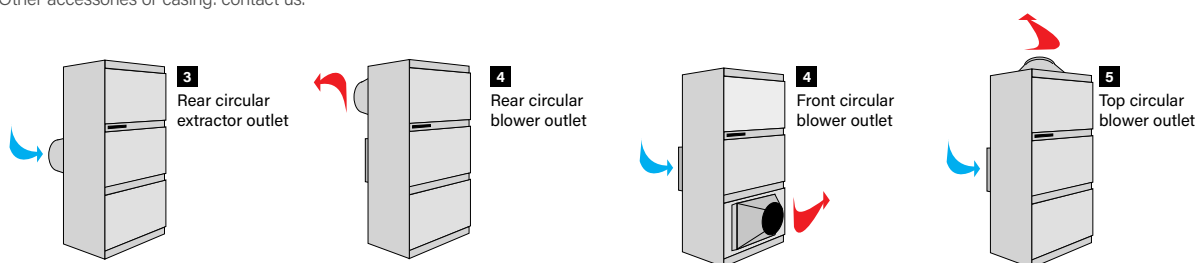
OMEGA



EXTRACTION AND SUPPLY ACCESSORIES

OMEGA ducted	10T	14T	16T	20T
Diameter	Ø500		Ø630	
Rear circular extractor accessories 3	WCH03701		WCH03702	
Front/rear circular blower accessories 4	WCH03595		WCH03331	
Upper circular blower accessories 5	WCH03705		WCH03706	

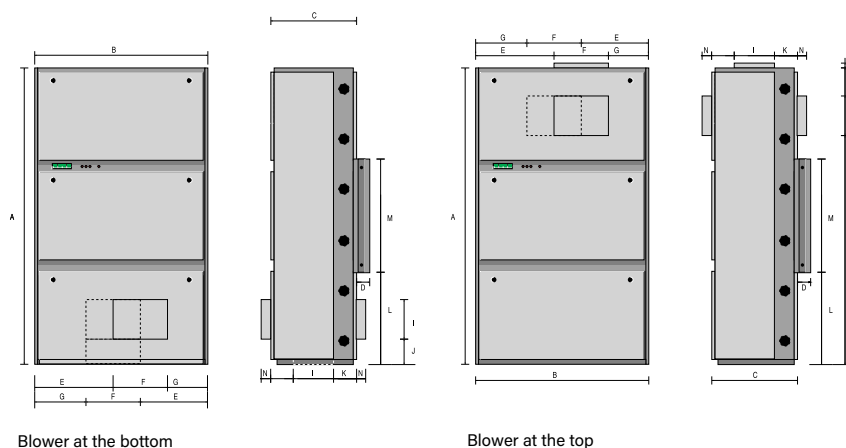
Other accessories or casing: contact us.



WEIGHT AND DIMENSIONS

OMEGA ducted	10T	14T	16T	20T
Weight (kg)	342	344	346	397

Oméga 10 to 20	
A	1940
B	1150
C	625
D	70
E	445
F	410
G	295
H	240
I	345
J	75
K	225
L	655
M	630
N	60
O	20
Extractor Width	1060



ACCESSOIRES EN OPTION

Filters for OMEGA 10, 14, 16 and 20 tri	Remote regulator box for the dehumidifier
WSD01916	R0771000

DEHUMIDIFIERS

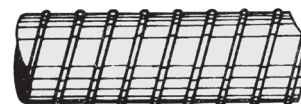
VENTILATION ACCESSORIES

Ø 400 DUCTS AND ACCESSORIES

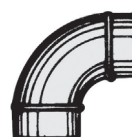
Galvanised metal elements thickness 6/10. Diameter Ø 400 for 410, 412 CAE 508. Ducts to be installed in galleries, ceiling service area, technical facility. Plan to use PVC for buried ducts.

Designation / Model	Reference
Punching 45° Ø 160/400	WCH01260
Galvanised duct Ø 400 (ml) shipped in 2m lengths	WCH01180
Galvanised elbow 90° Ø 400	WCH01203
Galvanised elbow 45° Ø 400	WCH01208
Male sleeve Ø 400	WCH01192
Female sleeve Ø 400	WCH03051
Cap Ø 400	WCH01197
T 90° equal Ø 400	WCH01212
Reducer Ø 400/315	WCH01215

Circular duct



Elbow 90°



Elbow 45°



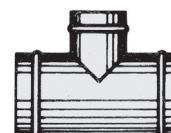
Sleeve



Cap



T 90° equal



Reducer



Ø 500 DUCTS AND ACCESSORIES

Galvanised metal elements thickness 6/10. Diameter Ø 500 for CAE 510-513 and OMEGA. Ducts to be installed in galleries, ceiling service area, technical facility. Plan to use PVC for buried ducts.

Designation / Model	Reference
Galvanised duct Ø 500 (ml) shipped in 2m lengths	WCH01181
Galvanised elbow 90° Ø 500	WCH01204
Galvanised elbow 45° Ø 500	WCH01209
Male sleeve Ø 500	WCH01193
Female sleeve Ø 500	WCH03052
Cap Ø 500	WCH01198
T 90° equal Ø 500	WCH01213
Reducer Ø 500/400	WCH01216
Reducer Ø 500/315	WCH01217

Ø 630 DUCTS AND ACCESSORIES

Galvanised metal elements thickness 6/10. Diameter 630, for Omega 16-20. Ducts to be installed in galleries, ceiling service area, technical facility. Plan to use PVC for buried ducts.

Designation / Model	Reference
Galvanised duct Ø 630 (ml) shipped in 2m lengths	WCH01182
Galvanised elbow 90° Ø 630	WCH03329
Galvanised elbow 45° Ø 630	WCH03424
Male sleeve Ø 630	WCH03325
Female sleeve Ø 630	WCH03720
Cap Ø 630	WCH03330
T 90° equal Ø 630	WCH03326
Reducer Ø 630/500	WCH03327
Reducer Ø 630/400	WCH03328

DEHUMIDIFIERS



CONSULT WITH OUR
TECHNICAL TEAM FOR
SIZING

OPTIONAL U.V.
DISINFECTION SYSTEM
More info in page 350



BDP CONFORT Dehumidifying Unit



The BDP Confort dehumidifying unit is used for the dehumidification of indoor pools, using the latent heat of evaporation and the performance of the system itself to heat the pool water and the room air.

The energy savings achieved with these systems compared to traditional heating systems mean that they are virtually essential when you wish to heat an indoor pool. The wide range of models covers all market requirements.

- Made of non-corrosive magnesium coated aluminium.
- Thermal-acoustic inside insulation.
- Direct transmission single centrifugal ventilator. Radial Ventilator Optional.
- Air filter can be changed for a G4 type filter.
- Condensation collection gutter with drainpipe.
- A copper nitrogen, dehydrated and deoxidized refrigerated circuit. Air condensation.
- R407C refrigerant gas.
- Evaporation, condensation and hot water batteries made of copper pipes with lacquered aluminium fins (specially designed for corrosive environments).
- Airtight compressor mounted on anti-vibration mounts.
- Pressure balancing expansion valve.
- High and low pressure switch.
- General security switch.
- Power source, compressor and ventilator motor protection mechanisms.
- Full adjustment of all the items included.
- Three-way valves and their regulation when a hot water coil is incorporated.

OPTIONAL

- 1 or 2 stage electric heating option to support air heating.
- Hot water coil to support air heating, with three-way valve, temperature probe and regulation (ask about primary temperatures different to standard equipment).
- Can be supplied with power frequency at 60 Hz on request.

GENERATION OPERATING CONDITIONS

The thermo-hygrometric conditions for these facilities that are considered optimal for materials and people include:

- Air 28°C - 30°C
- 65% HR
- Water 2°C below air temperature.

TECHNICAL FEATURES

Model		BDP-4	BDP-5	BDP-6	BDP-8	BDP-10	BDP-12	BDP-16
Dehumidification CAP. ⁽¹⁾	l/h	4.2	5.2	5.9	8.3	11	12.5	17.35
Air condensation power	kW	7.1	8.5	11.6	12.4	13.8	19.1	26.7

COOLING CIRCUIT

Type of compressor		ROTARY						
Gas Load	Kg.	3	3.5	4	5	9	9	10
Voltage	V/Ph/Hz	230 / 1 / 50			400 / 3 / 50			
Max. Consumption	kW	1.8	2.4	3.71	3.66	4.33	5.49	6.81

FANS

Type		CENTRIFUGAL						
Air flow rate	m ³ /h	1000	1200	1800	2800	3800	4300	5500
Total available pressure ⁽²⁾	mca	15	15	20	20	20	20	20
Max. consumption kW	RETURN	0.2	0.2	0.25	0.55	1.1	1.1	3.00

OTHER DATA

Ø Drain	mm	22						
Noise level AT 1 M	dB	68			69		70	
Weight	kg	100	110	160	182	270	360	448
Air filters		G4						

OPTIONAL

Electric heating power		W	5.0		-	-	-	-	-
Hot water coil power	Power	w	11.6		22.2		35.8		54.9
	Primary T.	°C	90						
		°C	70						
	Flow rate	l/h	500	500	990	990	1590	1590	2420
	Connection	Inches	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"

(1) For 28 °C air T. 65% RH, 24 °C water T

(2) Return plus suction

DEHUMIDIFIERS

ASTRALPOOL 

AIRPOOL



OPTIONAL U.V.
DISINFECTION SYSTEM
More info in page 350

CONSULT WITH OUR
TECHNICAL TEAM FOR
SIZING

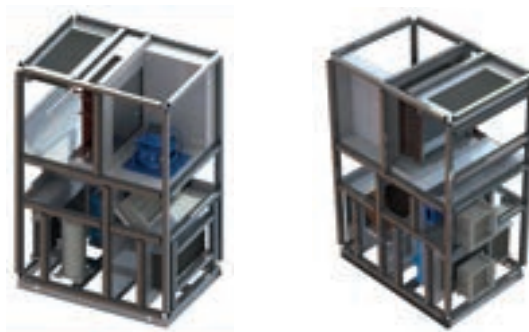
The AIRPOOL dehumidifier is used for the dehumidification of indoor swimming pools, taking advantage of the latent heat of vaporization and the equipment's own performance by heating the pool water and ambient air, recovering the necessary energy, and controlling the air temperature and relative humidity.

Dehumidification systems are installed in technical rooms and require ventilation ducts for a correct air distribution. In many cases, the space available is limited and it is difficult to find an equipment that fits, and each installation has its own particular features and needs, which is why Airpool dehumidifiers are calculated and designed as a tailor-made solution. Astralpool's technical team is responsible for adapting the equipment in terms of power, performance and the location of air inlets and outlets to meet the specific needs of each installation.

The aim is always to achieve the highest user comfort, better equipment performance, energy savings and compliance with the specific regulations required.

The smaller powers of the Airpool dehumidifiers are available in vertical orientation to reduce their footprint and ease their integration in technical rooms.

Dehumidification can be achieved in two ways: by freecooling or by freecooling plus refrigerant circuit.

Freecooling:

The opening of the freecooling dampers will be controlled by regulation to obtain the optimum solution; it may be the case that the dampers are kept in the minimum opening position.

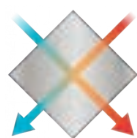
Part of the air extracted from the enclosure is expelled to the outside and the same flow of new air is added, which joins the other part of the extracted air in the mixing chamber. This extracted air is regulated by the freecooling dampers.

If the air conditions in the mixing chamber already have a specific humidity with a difference compared to that extracted that guarantees the required dehumidification, it will not be necessary to start the compressor of the refrigeration circuit, which means a saving.

Freecooling and refrigerant circuit:

When the air in the mixing chamber does not have low specific humidity enough to achieve the required dehumidification, the refrigeration circuit will be started.

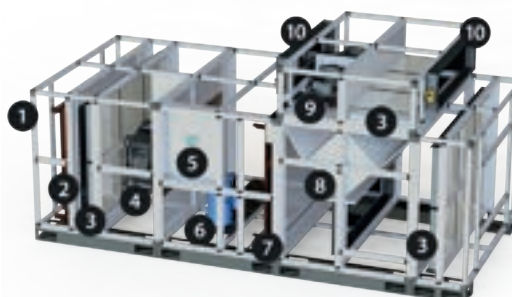
The nominal flow rate at the outlet of the mixing chamber is passed to the refrigeration circuit where the rest of the required dehumidification is produced as it passes through the evaporator coil.

Benefits of choosing the optional heat recovery unit:

Air renewal: Thanks to the fan system, the humid indoor air is treated and sent outdoors, thus facilitating the renewal and cleaning of the air through filters.

Air conditioning: The recuperator provides heat from the indoor air to the cold air coming from outside, thus heating the air and contributing to the climatization of the room.

Energy saving: When heat exchange takes place between the two flows, the air is heated without consuming more energy, using heat that would otherwise be wasted.



- 1 Structure
- 2 Hot water battery
- 3 Filters
- 4 Blowing fans
- 5 Electric board
- 6 Refrigerant gas circuit
- 7 Evaporateur + Condenser
- 8 Heat recovery
- 9 Extrausted air fans
- 10 Dampers

DEHUMIDIFIERS

AIRPOOL



STRUCTURE

- The structure is made from aluminium profiles with reinforced nylon on the corners.
- The housing is a 25 mm sandwich panel with IDROTEC polyurethane and auto-close handles, classifying the equipment as tightness L1(M) and thermal transmission T2.
- Condensation collection gutter with drainpipe.

COOLING CIRCUIT

- Evaporation and condensation battery made out of copper pipes with lacquered aluminium fins.
- Scroll compressor.
- R-410A refrigerant gas.

AIR CIRCUIT

- G4 filter.
- Free-cooling system made up of three motorized weir flaps, mixing chamber and return fan.

REGULATORS

- Through a programmable electronic regulator.
- Return air and outside air humidity and temperature probes, and a pool water temperature probe.
- Dirty filter pressure switches.
- Control of the pool water circulation pump through a voltage-free contact.
- Free-cooling weir flap servomotors.

OPTIONAL

- Harnesses the energy in the air discharged from the high-performance crossflow recuperator (according to Spain's RITE Regulation for Thermal Installations in Buildings).
- High-performance backup hot water coil manufactured in copper piping and lacquered aluminium fins specially designed for corrosive atmospheres. Includes a 3-way proportional valve. Controls flow temperature as an optional extra.
- Titanium condensers with PVC shell and Titanium coil.
- M6 filter in pool air suction unit and exterior air inlet and F8 filter in flow unit.
- Siemens regulation with touchscreen, enthalpy control and Eco operating mode, reducing fan flow in line with setpoints.
- Electronic radial plug fan with flow rate control.
- Water-water exchanger, assembled with the water condenser as a series feature.
- Increased air and pressure flow available in fans.
- External condenser.
- Weatherproofed.
- Optional CO₂ probes for controlling the quality of the air and adjusting it.
- Remote management.
- AND/OR preventive maintenance.
- AND/OR warranty extension.
- Start-up.
- Can be supplied with power frequency at 60 Hz on request.

TECHNICAL FEATURES

Model		AIRPOOL-9	AIRPOOL-14	AIRPOOL-18	AIRPOOL-25	AIRPOOL-35	AIRPOOL-45	AIRPOOL-55	AIRPOOL-70	AIRPOOL-85	AIRPOOL-110	AIRPOOL-140	AIRPOOL-180
Voltage	V/Ph/Hz	230/1/50	400 / 3 / 50										
Dehumidification ⁽¹⁾	kg/h	8.4	14.1	18.6	27.0	34.5	47.1	54.3	71.2	86.5	108.0	136.9	177.8
Dehumidification ⁽²⁾	kg/h	11.6	18.0	23.0	34.4	42.7	59.0	69.1	88.9	108.0	135.0	177.0	231.0
Dehumidification ⁽³⁾	kg/h	6.1	10.3	12.7	16.6	22.9	30.9	34.5	46.0	57.0	72.2	90.9	116.5
Air flow rate	m ³ /h	1800	2500	3800	5500	7000	10000	12000	15000	18000	22000	30000	40000
Crossflow recuperator	m ³ /h	540	750	1140	1800	2100	3000	3600	4500	5500	7000	10000	13500
Air battery power (80-60°C)	kW	14.3	22.1	29.3	40.7	54.2	78.3	88.1	111.5	134.1	167.1	237.5	293.8

(1) Local 28°C 65% hr with 30% outside air 20°C 70% hr. With recuperator.

(2) VDI 2089 Local 30°C 54% hr with 30% outside air 5°C 80% hr. With recuperator.

(3) Local 28°C 65% hr in recirculation.



Mode 1 Recirculation



Mode 2 Alpha cycle



Mode 3 Outdoor air



Mode 4 Alpha cycle + outdoor air



Mode 5 Cooling

OPTIONAL U.V.
DISINFECTION SYSTEM
More info in page 350

AIRPOOL+

The new high performance Airpool+ dehumidifier is used for the dehumidification of indoor pools. Thanks to its design, in which the cooling circuit's components are arranged differently than in a conventional dehumidifier, the dehumidified air is reused by a recuperator, which significantly increases performance.

The free cooling system serves a dual purpose:

The first is its capacity for renewing air so that users breathe in the best quality of air possible and the second is to take advantage of outdoor conditions for dehumidifying, thus reducing the unit's consumption. This free cooling system regulates itself according to relative outdoor and indoor humidity, and the default value.

Users can set the times the unit works. In night-time mode, conditions are less restrictive than in daytime mode as there is nobody in the pool, so settings are read to dehumidify it but not to regulate air quality.

The Airpool+ dehumidifier has five operating modes:

Mode 1 Recirculation

This operating mode is for night-time only. The return flow rate fulfils all night-time default conditions required, so the cooling cycle does not have to be switched on and all of the water is recirculated. Users can set the fan speed to keep power consumption and noise down to a minimum.

Mode 2 Alpha cycle

The return conditions measured show that the pool should be dehumidified, so the cooling cycle starts up without any outdoor air being fed into it.

This operating mode can only be run at night-time.

Mode 3 Outdoor air

In this operating mode, the unit is able to reach the desired return conditions thanks to the regulation of weir flaps. As the flow rate of outdoor air very often results in energy savings, outdoor conditions help bring down the humidity in the pool area and just a small inflow of heat can be enough to reach the desired temperature if the set return temperature has not been reached.

Mode 4 Alpha cycle + outdoor air

This operating mode should be used when the inflow of outdoor air is unable to reach the desired conditions. This does not mean that the weir flaps on the free cooling system close to keep the flow rate to a minimum as the regulation system used ensures that the flaps open to the optimum position to make the most of the outdoor air.

Mode 5 Cooling

Without exterior condenser or water condenser

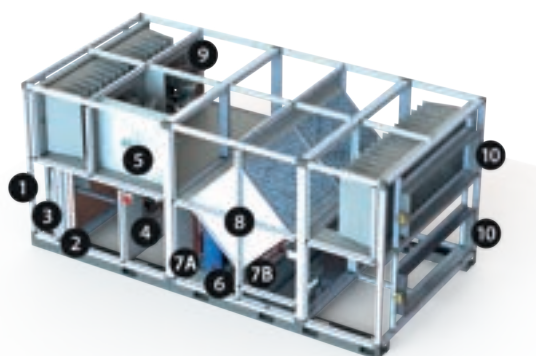
The unit's free cooling system will endeavor to reach the conditions selected by the user as well as keeping to IAQ standards. The by-pass valve on the recuperator is used to make the most of outdoor conditions.

With exterior condenser

This optional feature is recommended for facilities in areas with high humidity and high temperatures. As this feature is built into the unit, no additional installation is required. It expels excess heat outdoors and feeds cool, dry air into the pool.

With water condenser

When temperatures in a pool facility rise above the default temperature, warm air will no longer be fed into it. However, it may still be necessary to dehumidify the air but as the outdoor air cannot be used to do so the cooling cycle will start to run and instead of condensing the air, both the air and water will be condensed.



- 1 Structure
- 2 Hot water battery
- 3 Filters
- 4 Blowing fans
- 5 Electric board
- 6 Refrigerant gas circuit
- 7A Condenser
- 7B Evaporateur
- 8 Heat recovery
- 9 Extrausted air fans
- 10 Dampers

CONSULT WITH OUR
TECHNICAL TEAM FOR
SIZING

DEHUMIDIFIERS

AIRPOOL+



STRUCTURE

- The structure is made from aluminium profiles with reinforced nylon on the corners.
- The housing is a 45 mm sandwich panel with IDROTEC polyurethane and auto-close handles, classifying the equipment as tightness L1(M) and thermal transmission T2.
- Condensation collection gutter with drainpipe.
- Equipment interior with painted sheet metal for greater durability against chlorine degradation.

COOLING CIRCUIT

- High-performance evaporation and condensation batteries manufactured in copper piping and lacquered aluminium fins.
- Scroll compressor.
- R-410A refrigerant gas.

AIR CIRCUIT

- M6 filter in pool air suction unit and exterior air inlet and F8 filter in flow unit.
- Radial plug fans with flow rate control.
- Free-cooling system made up of three motorized weir flaps, mixing chamber and return fan.
- Harnesses the energy in the air discharged from the crossflow recuperator from 100% of flow.
- Back-up water heating battery. With three-way proportional valve and flow-rate temperature control.

REGULATORS

- Siemens regulation with touchscreen, absolute humidity control and Eco operating mode, reducing fan flow in line with setpoints.
- Return air and outside air humidity and temperature probes, and a pool water temperature probe.
- Dirty filter pressure switches.
- Control of the pool water circulation pump through a voltage-free contact.
- Servomotors for free-cooling weirs.

OPTIONAL

- Increase in air flow rate (involves rise in heating battery power).
- Titanium condensers with PVC shell and Titanium coil.
- Water-water exchanger, assembled with the water condenser as a series feature.
- Equipment can be operated in reverse to expel surplus heat from the facility.
- Weatherproofed.
- Optional CO₂ probes for controlling the quality of the air and adjusting it.
- ModBus.
- Remote management.
- AND/OR preventive maintenance.
- AND/OR warranty extension.
- Start-up.
- Can be supplied with power frequency at 60 Hz on request.

TECHNICAL FEATURES

Model		AIRPOOL+ 12	AIRPOOL+ 22	AIRPOOL+ 30	AIRPOOL+ 44	AIRPOOL+ 54	AIRPOOL+ 70	AIRPOOL+ 84	AIRPOOL+ 108	AIRPOOL+ 132	AIRPOOL+ 175
Voltage	V/Ph/Hz	220/1/50	400 / 3 / 50								
Dehumidification ⁽¹⁾	kg/h	13.4	22.3	21.7	44.3	53.6	70.9	84.2	110.7	133.4	177.6
Dehumidification ⁽²⁾	kg/h	25.6	30.2	57.1	85.6	102.3	136.8	162.4	213.7	256.2	342.3
Dehumidification ⁽³⁾	kg/h	8.0	12.8	12.3	25.0	37.8	42.5	50.6	66.5	83.7	130.9
Air flow rate	m ³ /h	2100	3500	4900	7000	8400	11200	13300	17500	21000	28000
Recuperator efficacy ⁽¹⁾	%	67	69	71	68	73	70	70	70	68	68
Air battery power (90-70°C)	kW	20.4	38.7	48.5	71.0	87.9	106.7	134.2	177.8	216.5	273.0

(1) Local 28°C 65% hr with 30% outside air 20°C 70% hr.

(2) VDI 2089 Local 30°C 54% hr with 30% outside air 5°C 80% hr.

(3) Local 28°C 65% hr in recirculation.

DEHUMIDIFIERS

OPTIONAL U.V. disinfection system

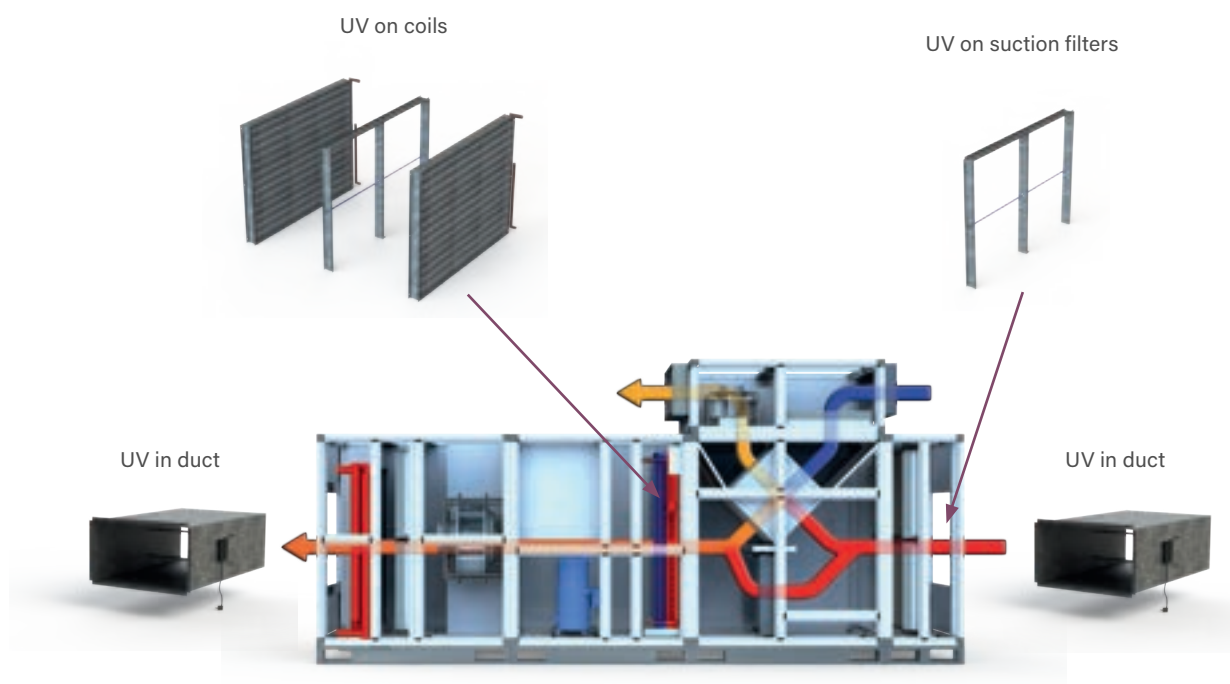
ASTRALPOOL 

Optional U.V. disinfection system, is a highly effective way to destroy microorganisms including: virus, bacteria, and mold spores.

Short wave UV light (UVC) penetrates the cell structure of the micro-organism and destroys the DNA structure and thereby prevents it from replicating.

This method of purification is ideal for dehumidifiers because it is completely safe, fast and easy to use and with simple maintenance.

The versatility of this disinfection system makes it easy to install in different parts of the dehumidifier. This is a tailor-made option that we study its location in each dehumidifier.







POOLS

HEATING & COOLING

354 POOL HEATING SOLUTIONS

356 HEAT PUMPS

- 356 Power Force
- 358 Z950
- 360 ProHeat II
- 362 ProHeat II Indoor
- 364 Excellium inverter

366 AIR TO WATER CHILLER

- 366 Alaska - Siberia

367 WATER TO WATER CHILLER

- 367 Bering chiller

368 ELECTRIC HEATERS

- 368 RE/I

369 HEAT EXCHANGERS

- 369 Waterheat EVO
- 370 Etna
- 372 Uranus Unequipped and Plus

POOL HEATING SOLUTIONS

PARAMETERS FOR CHOOSING A HEATING SYSTEM

To define a system suitable for a pool, many parameters need to be considered. The most important parameters (but non-exhaustive) are the ones below:

1. Average outdoor air temperature (°C)
2. Pool water target temperature (in °C)
3. Period of use
4. Pool volume (m³)
5. Presence of an isothermal cover or not
6. Filtration time

To consider all the parameters which impact the sizing of a heating system, online AstralPool configurators are available:

- For professional use, visit our Profluidra website.
- For public use, visit our simplified configurator on AstralPool website.

The choice of heating equipment also depends on the energy source that will be used.

UNDERSTAND THE CONCEPT OF PERFORMANCE

To compare the performance of different heat pumps, it is essential to compare restituted power and performance coefficient.

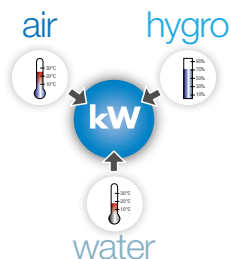
Two main values characterise the performance of heat pumps: their power and their performance coefficient.

- **Power**, expressed in kW, indicates the quantity of heat transferred to the water. It is expressed in specific climatic conditions to which the heat pump is exposed during use:
 - Temperature of the outside air (in °C)
 - Humidity of the outside air (in %)
 - Temperature of the water in the pool (in °C)

- **The coefficient of performance (COP)** is the ratio between the restituted power and the power consumption of the heat pump. As a result, it is the ratio at specific climatic conditions too.

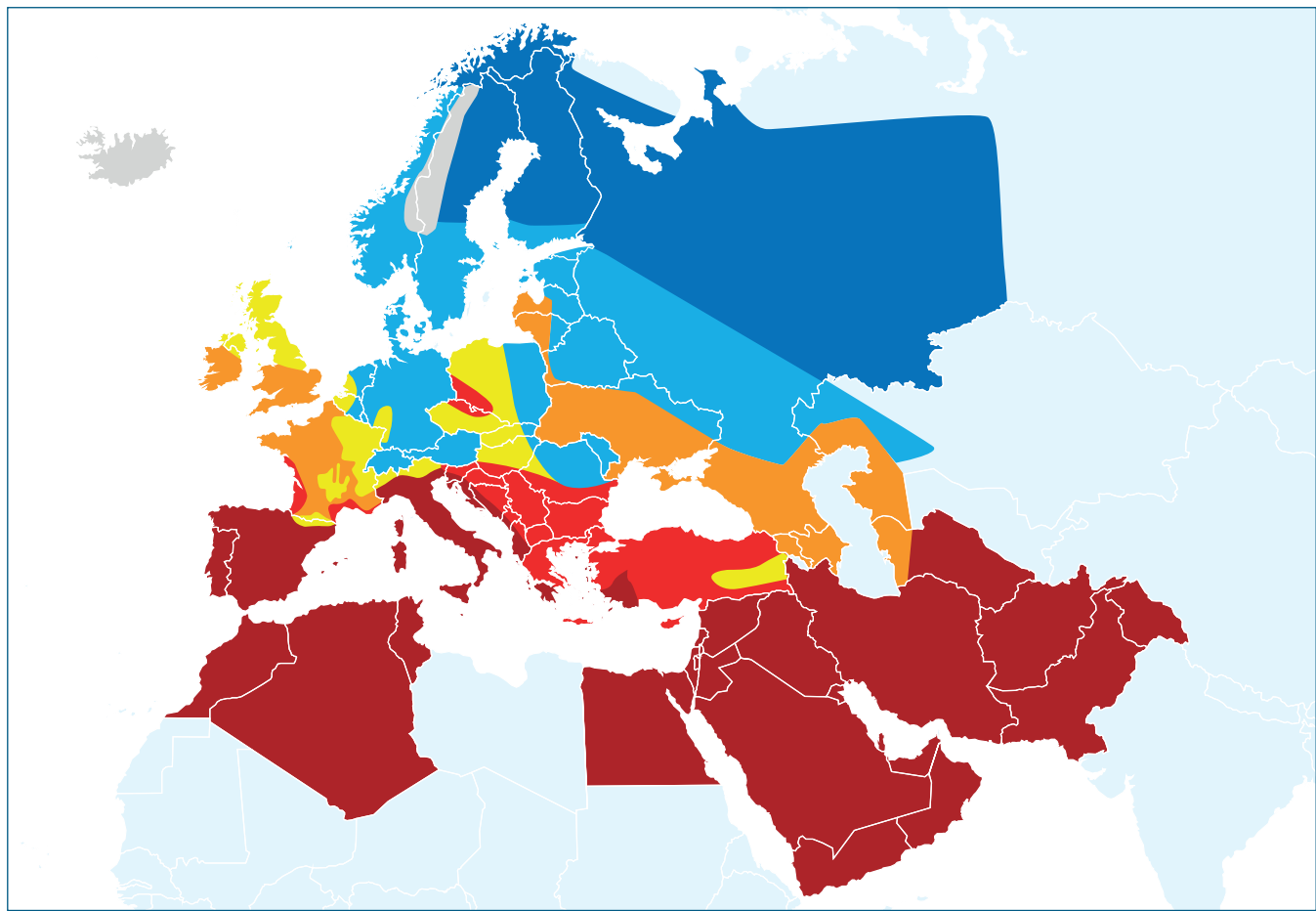
As an example, a performance coefficient of 5 means that for 1 kWh consumed at the electricity meter, the heat supplies 5 times more energy to the water in the pool, or 5 kWh.

So the higher the performance coefficient, the more efficient the system.

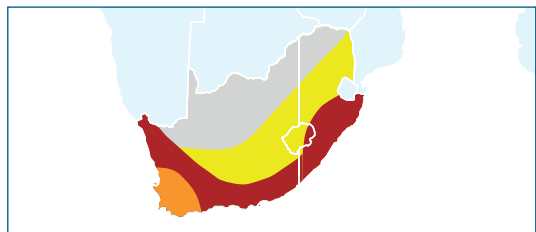


POOL HEATING SOLUTIONS

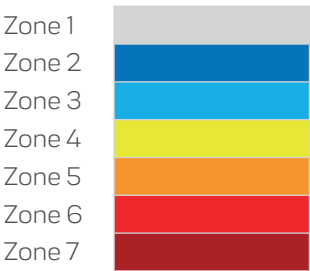
CLIMATE ZONES



SOUTH AFRICA

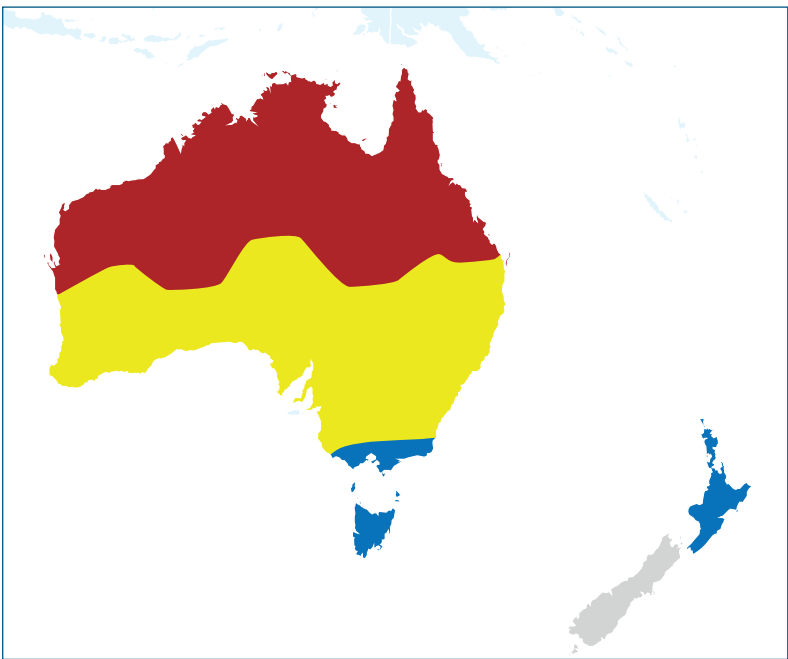


•Pool location zones



Caribbean Islands, Reunion Island, Canary Islands are part of Zone 7.

AUSTRALIA



HEAT PUMPS



POWER FORCE



- + Certified performances
- + Variable speed fan, quiet and energy-saving
- + Year-round operation down to -12°C

CONSULT WITH OUR
TECHNICAL TEAM
FOR SIZING



<305M³

2 YEAR
WARRANTY

5 YEAR
CONDENSER
WARRANTY
ANTI-CORROSION



- Horizontal blowing
- Galvanized steel, epoxy painted body
- LCD display
- Heating priority mode (filtration pump control)
- Possible On-off control through remote switch or home automation system
- Variable speed (DC) fan with automatic noise reduction
- Automatic cooling mode
- Automatic defrosting (cycle inversion)
- Titanium water exchanger, compatible with salt water treatment
- On-off compressor, scroll
- DC fan, variable speed (inverter)

ACCESSORIES INCLUDED IN THE PACK

- Connector (x2)
- Wintering cap (x2)
- Anti-vibration feet

OPTIONAL ACCESSORIES

Cleaning kit HP - WMA03491

TECHNICAL FEATURES

Model	TD25	TD35
Standard Model	W20PFORCE25TD	W20PFORCE35TD
Recommended water flow (m³/h)	10	
Hydraulic connection	PVC unions, ø63, glued	
Electric power supply	380-400V / 3N~ / 50Hz	
Nominal operating power (A)	10,6	12,9
Maximum operating power (A)	14,2	18,1
Recommended Power cable size*	5 x 4	
Refrigerant fluid	R410A	
Refrigerant fluid quantity (kg)	6,40	6,30
Acoustic power	70	71
Acoustic pressure at 10m (dB(A))**	38,00	39,00

HEATING PERFORMANCE

Model	TD25	TD35
AIR 28°C / WATER 28°C / HUMID. 80%		
Operating power (kW)	33	45,5
Consumed power (kW)	6,1	8,6
COP	5,4	5,3
AIR 15°C / WATER 26°C / HUMID. 70% NF		
Operating power (kW)	28,7	37
Consumed power (kW)	5,6	7,6
COP	5,1	4,9

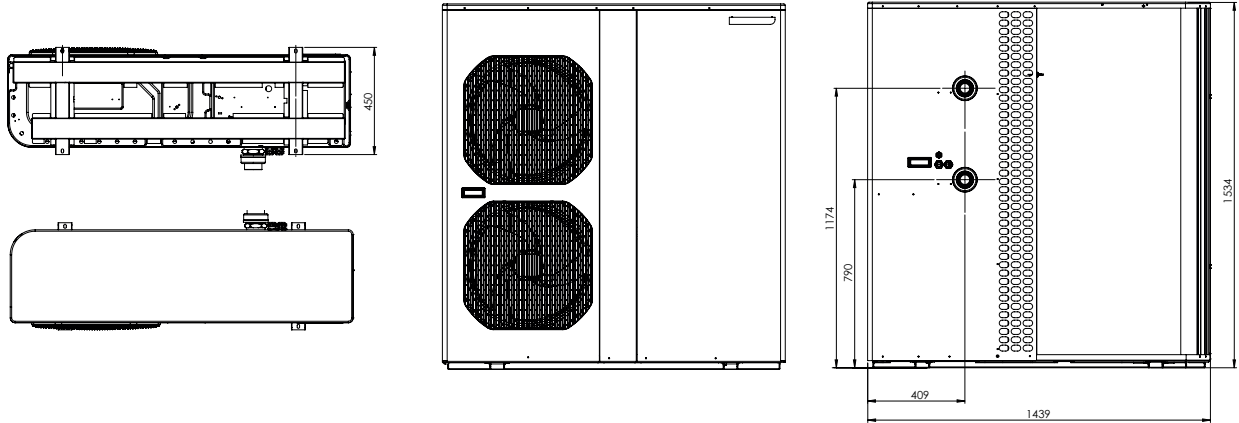
*Cable not provided. Recommended section for a maximum length of 20 meters.

** According to EN60704-1:2010+A11:2012 standard

HEAT PUMPS

WEIGHT AND DIMENSIONS

Model	TD25	TD35
Weight (kg)	205	205



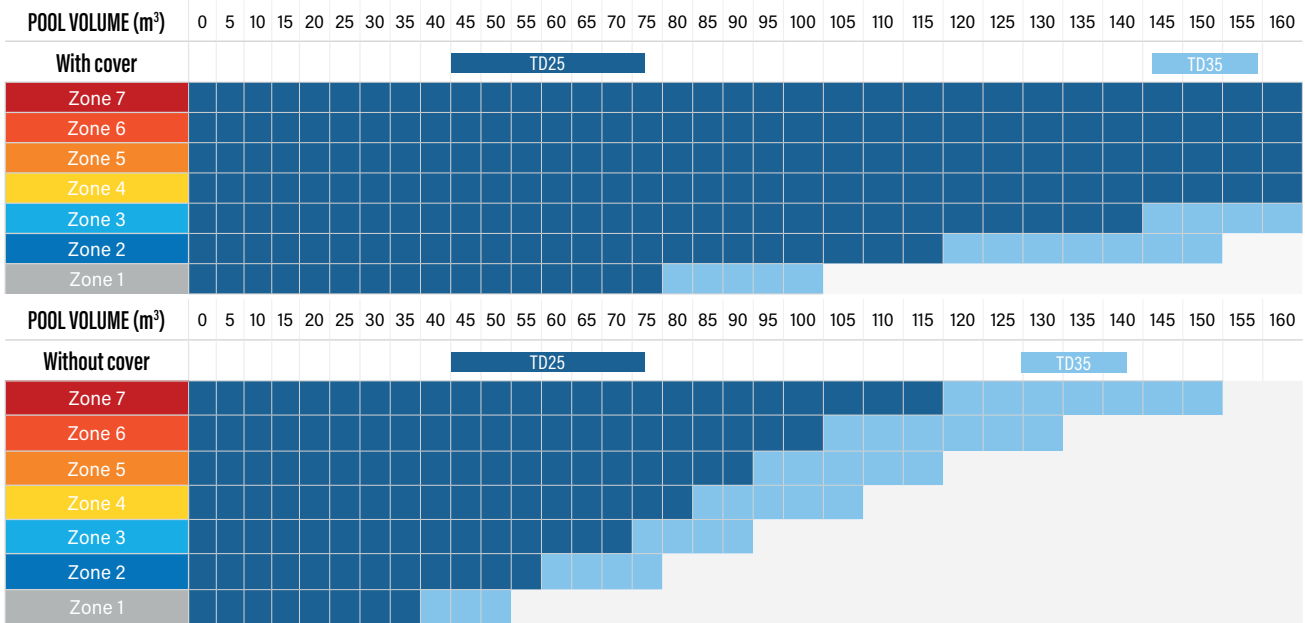
HEAT PUMPS SELECTION GUIDE

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1.5m, 14h filtration time, target pool water temperature 28°C.

SELECT THE POWER IN LESS THAN 1 MINUTE

How to read: For a 135m³ pool, with cover, located in zone 4, a POWERFORCE TD25 is needed*.



*To find the corresponding pool location zone, consult our climate map in page 355

Zodiac recommends to use the web configurators to get a more accurate sizing

For professional use, visit our configurator on Profluidra website.
For public use, visit our simplified configurator on Zodiac website.

HEAT PUMPS



Z950

CONSULT WITH OUR
TECHNICAL TEAM
FOR SIZING

- + Vertical blowing
- + Aluminum body
- + Year-round operation down to -12°C



2 YEAR
WARRANTY

5 YEAR
CONDENSER
WARRANTY
ANTI-CORROSION



ON/OFF



HEAT / COOL



MIN. AIR TEMP



MADE IN EUROPE



- Vertical blowing
- Anodized aluminum body
- LCD display, detachable
- Fluidra Connect compatible (automation and wi-fi control, with optional Connect Box)
- Heating priority mode (filtration pump control)
- Possible On-off control through remote switch or home automation system
- Emergency stop
- Automatic cooling mode
- Automatic defrosting (cycle inversion)
- Anti-freeze thermostat
- HP & LP safety pressure switch
- Water flow switch
- Titanium water exchanger, compatible with salt water treatment
- On-off compressor, scroll
- Thermostatic expansion valve
- Can be supplied with power frequency at 60 Hz on request.

ACCESSORIES INCLUDED IN THE PACK

- Condensate drain kit
- PVC and gaskets, unions, Ø 63 or 75
- Anti-vibration pads

OPTIONAL ACCESSORIES

Cleaning kit HP - WMA03491

TECHNICAL FEATURES

Model	Z950 35	Z950 45	Z950 60	Z950 90	Z950 120
Standard Model	WH000456	WH000458	WH000460	WH000462	WH000464
Recommended water flow (m³/h)	13	20	30	42	60
Hydraulic connection	PVC unions, ø63 , glued		PVC unions, ø75 , glued		
Electric power supply	380-400V / 3N~ / 50Hz				
Nominal operating power (A)	13.4	17.1	24.2	31.5	43.7
Maximum operating power (A)	22.8	29.9	38.3	60.6	76.6
Recommended Power cable size*	5 x 4	5 x 6	5 x 10	5 x 16	5 x 25
Refrigerant fluid	R410A				
Refrigerant fluid quantity (kg)	6	7,5	9	18 (2x9)	22 (2x11)
Acoustic power	83		90		
Acoustic pressure at 10m (dB(A))**	52		58		

HEATING PERFORMANCE

Model	Z950 35	Z950 45	Z950 60	Z950 90	Z950 120
AIR 28°C / WATER 28°C / HUMID. 80%					
Operating power (kW)	39,5	48	68	98	133
Consumed power (kW)	6,93	8,53	12,25	17,6	24,97
COP	5,7	5,6	5,5	5,6	5,3
AIR 15°C / WATER 26°C / HUMID. 70%					
Operating power (kW)	30	40	57	80	110
Consumed power (kW)	6,2	8,1	11,5	16,8	23,9
COP	4,9		4,8		4,6

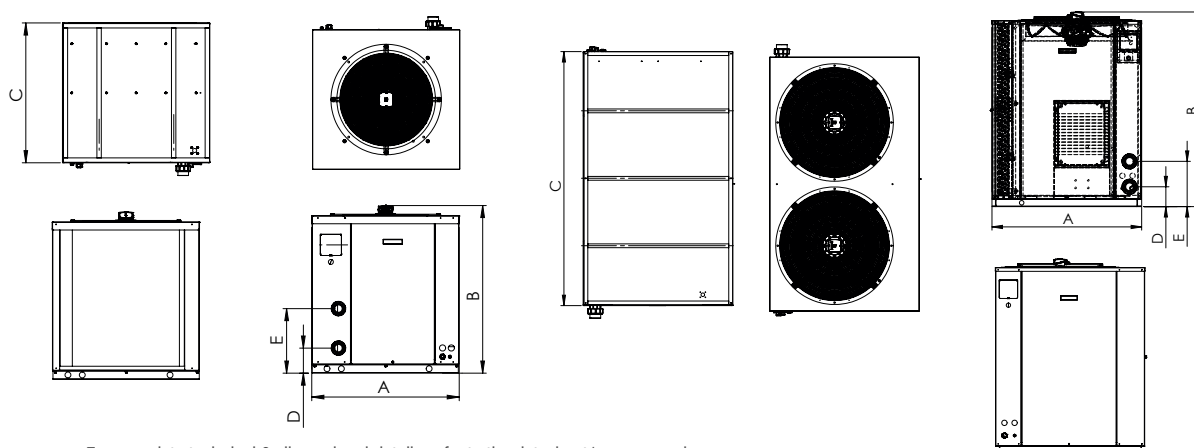
*Cable not provided. Recommended section for a maximum length of 20 meters.

**According to EN60704-1:2010+A11:2012 standard

HEAT PUMPS

WEIGHT AND DIMENSIONS

Model	Z950 35	Z950 45	Z950 60	Z950 90	Z950 120
Weight (kg)	185	210	287	447	500
A	1008		1178		1213
B	1146		1192	1532	1652
C	956		1600	2000	2358
D			165		
E	441	359	489	356	489



For complete technical & dimensional details, refer to the datasheet/user manual.

CLIMATE ZONES

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1.5m, 14h filtration time, target pool water temperature 28°C.

This table is a sizing help tool. It is given for a private pool, from 15th May to 15th September, depth 1.5m, with a maximum temperature rise time of 4 days to heat the pool from 15°C to 28°C, 14h filtration time. Climatic zones details can be found in the introduction pages of the Heating chapter p. 355. To get a customized sizing, please consult BILPI configurator: <https://pro.zodiac-poolcare.com/bilpi>

POOL VOLUME (m³)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	
With cover																																		
Zone 7																																		
Zone 6																																		
Zone 5																																		
Zone 4																																		
Zone 3																																		
Zone 2																																		
Zone 1																																		

HEAT PUMPS

PROHEAT II

ASTRALPOOL

MADE IN
EUROPEFluidra Connect
compatibleCONSULT WITH OUR
TECHNICAL TEAM
FOR SIZING

- 0°C minimum outdoor air temperature.
- 2 models: Standard and Chiller.
- Digital display.
- Heating priority mode (filtration pump control).
- Robust, lightweight casing made from corrosion-resistant magnesium coated aluminium.
- Axial ventilator.
- Automatic cooling mode for chiller model.
- Automatic defrosting.
- HP & LP safety pressure switch.
- Water flow switch.
- G2 Titanium water exchanger condensers. Guaranteed against corrosion.
- Scroll compressor.
- Thermostatic expansion valve, with external balancing unit.
- High performance evaporator battery in an inner corrugated copper tube with lacquered aluminium fins, especially for corrosive environments.
- Control of purifying system.
- Automatic electrical protections.
- Can be supplied with power frequency at 60 Hz on request.

TECHNICAL FEATURES

Model		PROHEAT II 35	PROHEAT II 45	PROHEAT II 60	PROHEAT II 90	PROHEAT II 120
Reference	STANDARD	65542-MOB	65543-MOB	65544-MOB	65545-MOB	65546-MOB
	CHILLER	68245-MOB	68246-MOB	68247-MOB	68248-MOB	68249-MOB
Recommended water flow	m³/h	12-15	15-25	25-35	30-50	50-70
Hydraulic connection	mm	63		75		
Electric power supply	V/Ph/Hz	400/3/50				
Refrigerant fluid		R-410A				
Refrigerant fluid quantity	Kg	4	6	9	2 x 6.5	2 x 9
Number of fans		1			2	
Sound level	dBA (d*)	66.2	66.2	72.5	71.1	71.1
	dBA (5m)	60.9	60.9	68.4	69.4	69.4

STANDARD

Nominal operating power	A	13.75	17.1	25.1	33	45.4
Maximum operating power	A	23.4	29.8	39.8	63.6	79.6
Recommended Power cable size*		4	6	10	16	25

CHILLER

Nominal operating power	A	13.14	17.1	24.2	31.5	43.7
Maximum operating power	A	23.4	29.8	39.8	63.6	79.6
Recommended Power cable size*		4	6	10	16	25

HEATING PERFORMANCE

Standard models		PROHEAT II 35	PROHEAT II 45	PROHEAT II 60	PROHEAT II 90	PROHEAT II 120
-----------------	--	---------------	---------------	---------------	---------------	----------------

AIR 25°C / WATER 26°C

Heating capacity	(kW)	36.2	44.4	63.5	91.3	125.5
Power consumption	(kW)	6.4	8.2	11.9	17.0	24.3
COP		5.7	5.4	5.3	5.4	5.2

AIR 15°C / WATER 26°C

Heating capacity	(kW)	30.5	39.7	56.8	80.2	110.5
Power consumption	(kW)	6.2	8.1	11.5	16.8	23.9
COP		4.9	4.9	4.9	4.8	4.6

AIR 5°C / WATER 26°C

Heating capacity	(kW)	23.2	30.0	41.3	61.0	80.1
Power consumption	(kW)	6.0	7.9	10.7	16.2	22.7
COP		3.9	3.8	3.9	3.8	3.5

COOLING PERFORMANCE

Chiller models		PROHEAT II 35	PROHEAT II 45	PROHEAT II 60	PROHEAT II 90	PROHEAT II 120
----------------	--	---------------	---------------	---------------	---------------	----------------

AIR 30°C / WATER 26°C

Cooling capacity	(kW)	42.3	51.0	72.0	104.0	140.0
Power consumption	(kW)	7.0	8.4	12.0	17.3	24.4
EER		6.0	6.1	6.0	6.0	5.7

AIR 43°C / WATER 32°C


Cooling capacity	(kW)	29.1	37.0	49.5	74.0	99.0
Power consumption	(kW)	9.4	11.9	15.6	24.5	31.2
EER		3.1	3.1	3.2	3.0	3.2

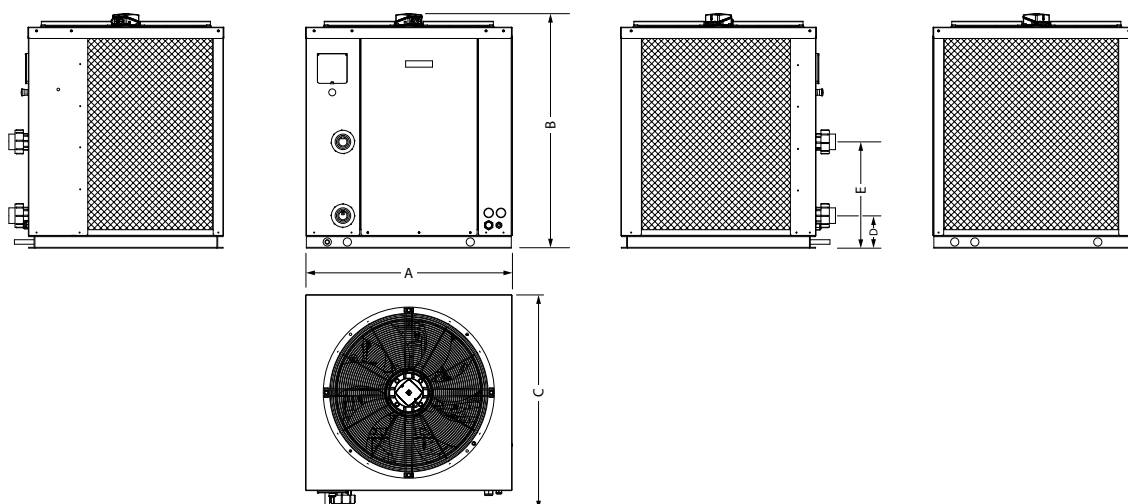
*Cable not provided. Recommended section for a maximum length of 20 meters.

NOTE: d* = As per UNE-EN 12102/ISO 3744:2010.

HEAT PUMPS

STANDARD AND CHILLER MODELS - WEIGHT AND DIMENSIONS

Model			PROHEAT II 35	PROHEAT II 45	PROHEAT II 60	PROHEAT II 90	PROHEAT II 120
Weight	kg		185	210	287	447	500
Dimensions 	mm	A	1000		1700	2100	2400
		B	950		1200		
		C	1140		1200	1500	1700



CLIMATE ZONES

This table is a sizing help tool. It is given for a private pool, from 15th May to 15th September, depth 1.5m, with a maximum temperature rise time of 4 days to heat the pool from 15°C to 28°C, 14h filtration time. Climatic zones details can be found in the introduction pages of the Heating chapter p. 355.

To get a customized sizing, please consult the web configurators:

For professional use, visit our configurator on www.pro.fluidra.com

For public use, visit our simplified configurator on www.astralpool.com

Pool Volume (m³)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160			
With cover	PROHEAT II 35																PROHEAT II 45										PROHEAT II 60								PROHEAT II 90	
Zone 7																																				
Zone 6																																				
Zone 5																																				
Zone 4																																				
Zone 3																																				
Zone 2																																				
Zone 1																																				

Pool Volume (m³)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160					
Without cover	PROHEAT II 35																PROHEAT II 45										PROHEAT II 60								PROHEAT II 90		PROHEAT II 120	
Zone 7																																						
Zone 6																																						
Zone 5																																						
Zone 4																																						
Zone 3																																						
Zone 2																																						
Zone 1																																						

HEAT PUMPS

ASTRALPOOL 

CONSULT WITH OUR
TECHNICAL TEAM
FOR SIZING

PROHEAT II INDOOR

- 0°C minimum outdoor air temperature.
- Digital display, easy-to-use control panel, with display of current temperature, setpoint and alarm messages.
- Heating priority mode (filtration pump control).
- Robust, lightweight casing made from corrosion-resistant magnesium coated aluminium.
- Axial ventilator.
- Automatic cooling mode (chiller model).
- Automatic defrosting.
- HP & LP safety pressure switch.
- Water flow switch.
- G2 Titanium water exchanger condensers. Guaranteed against corrosion.
- Scroll compressor.
- Thermostatic expansion valve, with external balancing unit.
- High performance evaporator battery in an inner corrugated copper tube with lacquered aluminium fins, especially for corrosive environments.
- Control of purifying system.
- Automatic electrical protections.
- Centrifugal fans so the unit will be installed in a technical room, using air ducting.
- Can be supplied with power frequency at 60 Hz on request.

TECHNICAL FEATURES

Model		PROHEAT II IND-35	PROHEAT II IND-45	PROHEAT II IND-60	PROHEAT II IND-90	PROHEAT II IND-120
Reference		69649-MOB	69650-MOB	69651-MOB	69652-MOB	69653-MOB
Recommended water flow	m³/h	12-15	15-25	25-35	30-50	50-70
Hydraulic connection	mm	63		75		
Electric power supply	V/Ph/Hz	400/3/50				
Nominal operating power	A	14.6	18.6	25.1	29.1	45.6
Maximum operating power	A	23.9	31.4	40.7	62.8	81.4
Recommended Power cable size*		4	6	10	16	25
Refrigerant FLUID		R-410A				
Refrigerant fluid quantity	Kg	6	9	12	2 x 7	2 x 9
Number of fans		1			2	
Sound level	dBa (d*)	59.2	59.6	60.0	61.1	61.5
	dBa (5m)	55.4	55.8	56.1	56.5	56.6

HEATING PERFORMANCE


Model		PROHEAT II IND-35	PROHEAT II IND-45	PROHEAT II IND-60	PROHEAT II IND-90	PROHEAT II IND-120
AIR 25°C / WATER 26°C						
Heating capacity	(kW)	43.6	44.4	63.5	91.3	125.5
Power consumption	(kW)	6.7	9.4	11.8	18.7	23.6
COP		6.5	6.0	6.0	6.0	6.0
AIR 15°C / WATER 26°C						
Heating capacity	(kW)	34.9	45.0	57.5	90.1	114.9
Power consumption	(kW)	6.4	8.6	11.0	17.1	22.1
COP		5.4	5.3	5.2	5.3	5.2
AIR 5°C / WATER 26°C						
Heating capacity	(kW)	27.4	35.2	45.2	70.5	90.3
Power consumption	(kW)	6.5	8.5	11.2	16.9	22.3
COP		4.2	4.2	4.1	4.2	4.1

*Cable not provided. Recommended section for a maximum length of 20 meters.

NOTE: d* = As per UNE-EN 12102/ISO 3744:2010.

HEAT PUMPS

STANDARD AND CHILLER MODELS - WEIGHT AND DIMENSIONS

Model			PROHEAT II IND-35	PROHEAT II IND-45	PROHEAT II IND-60	PROHEAT II IND-90	PROHEAT II IND-120
Weight	kg		315	391	437	648	757
Dimensions 	mm	A	1610	1910		1922+50	2400-100
		B	1160+100	1197+100		2110+100	2024+50
		C	1347+50	1497+50		1590+50	1670+50



CLIMATE ZONES

This table is a sizing help tool. It is given for a private pool, from 15th May to 15th September, depth 1.5m, with a maximum temperature rise time of 4 days to heat the pool from 15°C to 28°C, 14h filtration time. Climatic zones details can be found in the introduction pages of the Heating chapter p. 355.

To get a customized sizing, please consult the web configurators:

For professional use, visit our configurator on www.pro.fluidra.com

For public use, visit our simplified configurator on www.astralpool.com

Pool Volume (m³)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160											
With cover	PROHEAT 2 35																				PROHEAT 2 45										PROHEAT 2 60										PROHEAT 2 90			
Zone 7																																												
Zone 6																																												
Zone 5																																												
Zone 4																																												
Zone 3																																												
Zone 2																																												
Zone 1																																												

Pool Volume (m³)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160													
Without cover	PROHEAT 2 35										PROHEAT 2 45										PROHEAT 2 60										PROHEAT 2 90								PROHEAT 2 120							
Zone 7																																														
Zone 6																																														
Zone 5																																														
Zone 4																																														
Zone 3																																														
Zone 2																																														
Zone 1																																														

HEAT PUMPS

EXCELLIUM INVERTER

Energy saving and efficiency for all types of pools

ASTRALPOOL

NEW
2024

The Excellium Inverter heat pump provides maximum energy savings thanks to its Full Inverter technology. It is an ideal solution for large swimming pools in hotels, campsites, sports clubs, public swimming pools, wellness areas, spas and water parks.

Sustainability

Aerothermal heating is a technology that uses a renewable source of energy, the heat from the environment. It is the most efficient system for heating pool water and reducing emissions. Coupled with green electricity becomes a source of clean energy.

Increased efficiency in temperature control

Inverter technology maintains the temperature with minimal deviations. No need to restart the entire system at full power, generating extra start-up consumption.

Energy efficiency

By using the heat of natural air at 15 degrees outside temperature, this heat pump is able to offer a COP (coefficient of performance) of 4.8, which means that for each unit of energy consumed it produces 4.8 kW of energy heat in return.

Silence and Durability

The Excellium pool heat pump reduces noise to 41 dB(A) due to its Inverter technology in compressors and fans. In addition, it does not need to run at full speed, resulting in less wear and tear on parts while extending the life of the solution.

Plug & Play Solution

Its compact size and ease of installation gives it a wide range of spaces and applications where it can be integrated.

Moreover, as it incorporates a titanium exchanger, it is compatible with any water treatment.

Cost-effectiveness and savings

Consumption is adapted to the needs of the system. Inverter technology provides just the right amount of energy and required at any given time. Electricity consumption is considerably reduced, which is reflected in the on invoices.

Bathing season 365 days a year

It is a heat pump that can be used all year round. In winter it is able to heat the water with outside temperatures down to -15°C and as it is reversible, in summer it can cool the water if necessary.

For outdoors and indoors

Thanks to its elegant design with neutral shapes and concealed screws, it will fit perfectly into any space. In addition, its fans are prepared to be connected to the ventilation ducts in case it is installed in a room an interior space.



5 YEAR
COMPRESSOR
WARRANTY

7 YEAR
titanium
interchanger
WARRANTY



- LCD control screen.
- Multifunction: Turbo, Smart and Silent.
- Intuitive panel: easy to use and consult.
- Modes: Heating, cooling and automatic.

Vertical axial fan for connection to an exhaust air duct

- Automatic defrost by cycle reversal
- Full Inverboost Inverter Technology
- Vibration dampers, pipettes, drainage pipes and connections of water for stability.
- High-performance compressor inside.



Intuitive and easy-to-program control panel

Easy-to-grip holes for easy transport and handling optimal installation



Outdoor high pressure gauges

Compact and elegant design with a large surface area ventilation

HEAT PUMPS

EXCELLIUM INVERTER

Energy saving and efficiency for all types of pools

ASTRALPOOL 

TECHNICAL FEATURES

Model		EXC INV 30	EXC INV 45	EXC INV 60	EXC INV 90	EXC INV 130
Reference		75397	75398	75399	75400	75401
Power supply	V/Ph/Hz	380-415/3/50				
Rated current	A	14,4	16,5	28,0	34,5	53
Recommended water flow rate	m³/h	20-28	26-35	37-45	56-70	80-95
Hydraulic connections	mm	63	63	90	90	90
Loss of water pressure	Kpa	30	32	35	38	46
Number of compressors		2	2	2	2	2
Compressor brand		Mitsubishi				
Coolant		R410A				
Refrigerant charge	Kg	5,3	6	11	14	19
Noise level 10m	dB(A)	40	42	43	44	48
Sound level 1m	dB(A)	41-58	43-62	44-62	46-65	50-68

HEATING PERFORMANCE

Air 28°C / water 28°C / humidity 80%

Heating power	kW	45	60	85	130	185
COP		5,6	5,6	5,8	5,9	5,9
SMART heating power	kW	36	52	68	105	150
SMART POPS		10,3	10,4	10,5	10,5	10,5
Power consumed	kW	1,63-8,03	2,62-10,71	2,85-14,66	5,24-22	6,27-33,1

Air 15°C / water 26°C / humidity 70%

Heating power	kW	30	45	60	95	130
COP		4,5	4,5	4,8	4,8	4,7
SMART heating power	kW	24	36	48	75	104
SMART POPS		7,4	7,5	7,9	7,9	7,8
Power consumed	kW	1,25-6,67	2,47-10,47	2,38-12,5	5,49-23,26	5,25-27,65

Air -10°C / water 26°C / humidity 78%

Heating power	kW	19	25	35	55	75
Power consumed	kW	6,6	8,7	12,1	19	26,7
COP		2,9	2,9	2,9	2,9	2,8

COOLING PERFORMANCE

Air 30°C / water 26°C

Cooling power	kW	23	30	43	64	92
Power consumed	kW	6,8	8,8	12,7	18,9	27,9
EER		3,4	3,4	3,4	3,4	3,4

Air 43°C / water 26°C

Cooling power	kW	15	20	28	41	60
Power consumed	kW	5,6	7,41	10,4	15,2	23,1
EER		2,7	2,7	2,7	2,7	2,6

DIMENSIONS

Net weight	Kg	290	294	560	590	810
Long	mm	866	866	1958	1958	2080
High	mm	1604	1604	1699	1699	1830
Width	mm	850	850	968	968	1172

AIR TO WATER CHILLER

ASTRALPOOL 

ALASKA - SIBERIA



ALASKA



SIBERIA



- +5°C minimum outdoor air temperature.
- 2 compact models: For outdoor (Alaska) or indoor (Siberia) installation.
- Digital display.
- Heating priority (filtration pump control).
- Made of non-corrosive magnesium coated aluminium.
- Helicoidal ventilators with direct coupling motor for the Alaska model, centrifugal for the Siberia model.
- Defrosting thermostat in evaporator for enhanced performance.
- HP & LP safety pressure switch.
- Water flow switch.
- Condensor made of copper pipe with coated aluminium fins (special for corrosive environments).
- Scroll compressor with carter resistance and deoxidized copper.
- Thermostatic expansion valve.
- Titanium evaporator with PVC shell and in G2 titanium coil according to ASTM B 338.99 standard. Guaranteed against corrosion.
- Anti-acid dehydrating filter.

TECHNICAL FEATURES

Model		ALASKA-4	ALASKA-6	ALASKA-8	ALASKA-10	ALASKA-15	ALASKA-17
Reference		32535-MOB	32536-MOB	32537-MOB	32538-MOB	32540-MOB	32541-MOB
Model		SIBERIA-4	SIBERIA-6	SIBERIA-8	SIBERIA-10	SIBERIA-15	SIBERIA-17
Reference		33301-MOB	33302-MOB	33303-MOB	33304-MOB	33306-MOB	33307-MOB
Recommended pool volume	m³	5-9	7-14	10-20	13-26	18-36	25-50
Recommended water flow	m³/h	6-10	6-10	7-12	7-12	10-15	10-15
Hydraulic connection	mm	50					
Air flow	m³/h	3800	4900	5500	9800	11000	
Electric power supply	V/Ph/Hz	230/1/50			400/3/50		
Maximum operating power	A	16	22.4	11.8	11.2	16.28	20.68
Recommended Power cable size*	mm²	4	6	2,5	2,5	4	4
Refrigerant FLUID		R-407C					
Refrigerant fluid quantity	Kg	2	4.3	4.8	5.5	6.3	6.6
Number of fans		1				2	
Acoustic power	dBA	70	70	70	70	70	70
Acoustic pressure at 5m (dB(A))**	dBA	115	115	185	190	205	240

COOLING PERFORMANCE

Alaska		ALASKA-4	ALASKA-6	ALASKA-8	ALASKA-10	ALASKA-15	ALASKA-17
AIR 27°C / WATER 12°C							
Cooling capacity	(kW)	4.4	5.7	8.9	10.7	16.6	22.7
Power consumption	(kW)	1.3	2.0	2.8	3.6	5.0	6.6
EER		3.3	2.9	3.1	3.0	3.4	3.5
Siberia		SIBERIA-4	SIBERIA-6	SIBERIA-8	SIBERIA-10	SIBERIA-15	SIBERIA-17
AIR 27°C / WATER 12°C							
Cooling capacity	(kW)	4.4	5.7	8.9	10.7	16.6	22.7
Power consumption	(kW)	1.8	2.3	3.2	4.5	7.7	9.3
EER		2.4	2.5	2.8	2.4	2.2	2.5

Maximum air temperature 40°C, minimum water temperature 10°C. Maximum water pressure 3.5 bar.

WEIGHT AND DIMENSIONS

Alaska		ALASKA-4	ALASKA-6	ALASKA-8	ALASKA-10	ALASKA-15	ALASKA-17
Weight	kg	80	92	102	133	167	197
Dimensions	mm	A	1311 (+80)		1411 (+80)	1372 (+80)	1728 (+80)
		B	512	540	556	650	708
		C	746		846	890	866
Siberia		SIBERIA-4	SIBERIA-6	SIBERIA-8	SIBERIA-10	SIBERIA-15	SIBERIA-17
Weight	kg	97	112	120	188	219	224
Dimensions	mm	A	1311 (+80)		1411 (+80)	1372 (+80)	1728 (+80)
		B	550+50	700+50		655+50	655+50
		C	746		846	890	866

*Cable not provided. Recommended section for a maximum length of 20 meters.

WATER TO WATER CHILLER

BERING CHILLER

ASTRALPOOL



- The ASTRALPOOL models BERING CHILLER are used for cooling the pool, cold water sinks.
- 8 °C minimum evaporator inlet temperature.
- 40 °C maximum evaporator inlet temperature.
- Robust and lightweight designed for installation in outdoor areas.
- Digital display.
- Cooling priority (filtration pump control).
- Made of non-corrosive magnesium coated aluminum.
- Scroll compressor with carter resistor.
- Water evaporator and condenser made in PVC and Titanium.
- HP & LP safety pressure switch.
- Thermostatic expansion valve with external balancing unit.
- Hydraulic circuit with flow switch on the water inlet made of high molecular weight PVC pipe, good elasticity and remarkable resistance to stress cracking.
- Anti-acid dehydrating filter.
- Can be supplied with power frequency at 60 Hz on request.

TECHNICAL FEATURES

Model		BERING-CHILLER 4	BERING-CHILLER 6	BERING-CHILLER 8	BERING-CHILLER 10	BERING-CHILLER 15	BERING-CHILLER 17
Reference		66306	66307	66308	66309	66311	66312
Recommended water flow	m³/h	6 - 10	6 - 10	7 - 12	7 - 12	10 - 15	10 - 15
Hydraulic connection	mm	50					
Electric power supply	V/Ph/Hz	230/2/50	230/2/50	400/3/50	400/3/50	400/3/50	400/3/50
Maximum operating power	A	11,4	14,8	7,7	7,7	12,3	16,7
Recommended Power cable size*	mm²	2,5	4	2,5	2,5	2,5	4
Refrigerant FLUID		R407C					
Refrigerant fluid quantity	Kg	2	4,3	4,8	5,5	6,3	6,6
HEAD LOSS	bar	0,1	0,1	0,1	0,3	0,3	0,3
Acoustic power	dBA	70,0	70,0	70,0	70,0	70,0	70,0
Acoustic pressure at 5m (dB(A))**	dBA	115,0	115,0	185,0	190,0	205,0	240,0

COOLING PERFORMANCE

Model		BERING 4	BERING 6	BERING 8	BERING 10	BERING 15	BERING 17
AIR 27°C / WATER 12°C							
Cooling capacity	(kW)	4,43	5,72	8,88	10,73	16,60	22,71
Power consumption	(kW)	1,34	2,01	2,84	3,55	4,95	6,57
EER		3,32	2,85	3,13	3,02	3,35	3,46

WEIGHT AND DIMENSIONS

Model		BERING 4	BERING 6	BERING 8	BERING 10	BERING 15	BERING 17
Weight	Kg	100	110	120	190	220	225
Dimensions (mm)	A	1311 (+80)	1311 (+80)	1311 (+80)	1411 (+80)	1750 (+80)	1750 (+80)
	B	550	700	700	700	800	800
	C	750	750	850	900	900	900

NOTES:

*d = As per UNE-EN 12102/ISO 3744:2010.

**Cable not provided. Recommended section for a maximum length of 20 meters.

ELECTRIC HEATERS



RE/I



2 YEAR
WARRANTY



Ti²²
TITANE
INSIDE



- + Full digital regulation
- + 2-stage power management
- + Maximum robustness

- Control box with precision thermostat $\pm 0.5^{\circ}\text{C}$
- Digital display and timer
- Positive safety high temperature limiters
- Watertightness of electrical resistances with an EPDM collar
- HYPALON electric connection
- Flow switch
- Power contactors
- Luminous control switches
- U format allowing an easy assembly and water retention
- Factory installed power modulation (2 manual stages)
- Three-phase wiring 400V-50/60Hz only

PRODUCT REFERENCES

Model	RE/I 30T	RE/I 36T	RE/I 42T	RE/I 48T	RE/I 60T	RE/I 84T	RE/I 96T	RE/I 120T
Standard Model	W40TIT30	W40TIT36	W40TIT42	W40TIT48	W40TIT60	W40TIT84	W40TIT96	W40TIT120

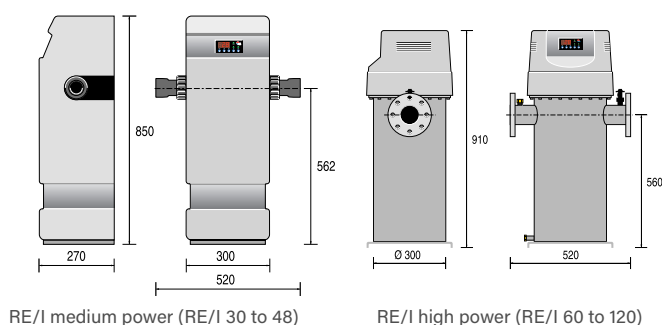
HEATING PERFORMANCE & TECHNICAL FEATURES

Model	RE/I 30T	RE/I 36T	RE/I 42T	RE/I 48T	RE/I 60T	RE/I 84T	RE/I 96T	RE/I 120T
Voltage	400 V / 3N / 50 Hz							
Operating power (kW)*	12+18	12+24	18+24	24+24	24+36	36+48	48+48	60+60
Absorbed intensity (A)**	44	52	61	70	87	122	139	174
Water flow (m ³ /h)	20 to 30				30 to 50			
Hydraulic connection	PVC half-unions, \varnothing 63, glued				2 flanges, DN 80, with glued PVC fitting, \varnothing 90			

* Tolerance operating voltage +6 -10%. Grid power supply. ** Manufacturing tolerance of + or -5%.

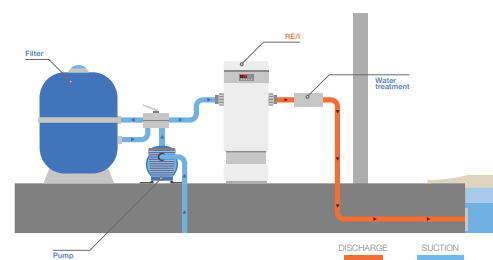
WEIGHT AND DIMENSIONS

Model	RE/I 30T	RE/I 36T	RE/I 42T	RE/I 48T
Weight (kg)	30	30	33	33
Model	RE/I 60T	RE/I 84T	RE/I 96T	RE/I 120T
Weight (kg)	49	51	53	58



INSTALLATION

- In-line hydraulic connection with two PVC unions, \varnothing 63 (RE/I 30 à 48), or two flanges, DN80 (RE/I 60 à 120).
- Supports any flow direction: just turn the flow switch and reverse the control and safety sensors.
- Plan on installing a by-pass if the filter pump flow is greater than 50m³



HEAT EXCHANGERS



WATERHEAT EVO



Heat exchanger suitable for warming the water temperature of pools and SPAS, thanks to the heat exchange between the primary circuit (warm area) and a secondary one (cold area that we want to warm).

- Titanium housing (secondary, pool water).
- Titanium coil (primary, water for boiler).
- Primary working pressure of 10 bar.
- Secondary working pressure of 3 bar.

PRODUCT REFERENCES

Model	TIT 105 kW	TIT 140 kW	TIT 210 kW	TIT 300 kW	TIT 450 kW
Reference	WH000604	WH000605	WH000606	WH000607	WH000608

TECHNICAL FEATURES

Model		TIT 105 kW	TIT 140 kW	TIT 210 kW	TIT 300 kW	TIT 450 kW
Power	90°C	105	140	210	300	450
	60°C	40	60	80	120	210
	45°C	20	3	40	60	100

HEATING PERFORMANCE

Model		TIT 105 kW	TIT 140 kW	TIT 210 kW	TIT 300 kW	TIT 450 kW
Heater	m³/h	6.6	7.0	10.0	11.0	16.0
Heater load loss	bar	0.030	0.040	0.122	0.214	0.470
Heater connection	Inch	G 1 ½"				
Pool volume	m³/h	23	20	25	20	21
Pool head loss	bar	0.293	0.316	0.633	0.596	0.860
Pool connection	Inch	G 1 ½"				

DIMENSIONS AND WEIGHT

Model		TIT 105 kW	TIT 140 kW	TIT 210 kW	TIT 300 kW	TIT 450 kW
Dimensions		A (mm)	140			
		B (mm)	170	270	670	920
		C (mm)	357	457	857	1107
		Ø Dz	102			
Weight	kg	2.2	2.7	3.8	5.3	6.8

Consult your service engineer about the right selection of unit depending on your installation.

Figures for power settings calculated for pool water at 20°C.

Diagram of assembly below the water level:

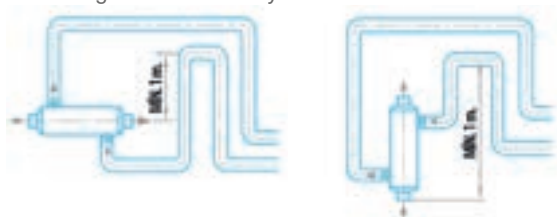
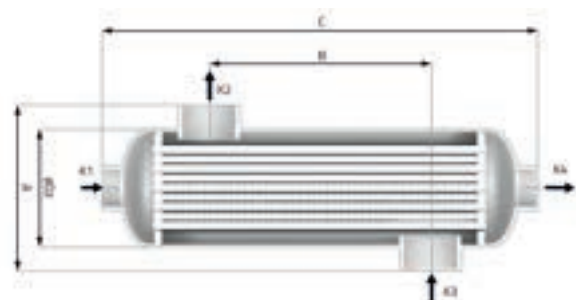
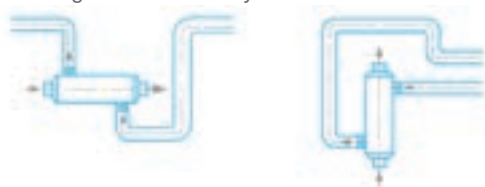


Diagram of assembly below the water level:



HEAT EXCHANGERS



ETNA

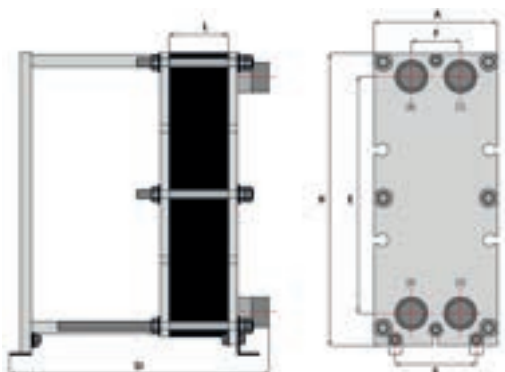
- Corrugated plates in AISI-316.
- EPDM gaskets.
- Housing in epoxy painted carbon steel.
- In non-equipped heat exchangers, AISI-316 stainless steel connections in ISO G2 direct thread.



Basic model



ETNA 250 - ETNA 580



PRODUCT REFERENCES

Model	AISI-316 codes
	Basic model
	Ref.
ETNA-250	32550
ETNA-300	32552
ETNA-350	32553
ETNA-400	33114
ETNA-460	33115
ETNA-500	32554
ETNA-580	33116

TECHNICAL FEATURES

Model	Code	Power		Num. Plates	Primary circuit			Secondary circuit			Dimensions (mm)					
	AISI-316	KW	(kcal/h)		Flow rate (m³/h)	Head loss (bar)	Connections	Flow rate (m³/h)	Head loss (bar)	Connections	H	A	E	F	Lt	L
ETNA-250	32550	291	250,000	15	12.86	0.3	2 1/2"	12.61	0.3	2 1/2"	745	310	603	124	630	49.5
ETNA-300	32552	349	300,000	17	15.42	0.3	2 1/2"	15.13	0.3	2 1/2"	745	310	603	124	630	56.1
ETNA-350	32553	407	350,000	21	17.98	0.3	2 1/2"	17.64	0.3	2 1/2"	745	310	603	124	630	69.3
ETNA-400	33114	465	400,000	23	20.55	0.3	2 1/2"	20.13	0.3	2 1/2"	745	310	603	124	630	75.9
ETNA-460	33115	535	460,000	27	23.64	0.3	2 1/2"	23.19	0.3	2 1/2"	745	310	603	124	630	89.1
ETNA-500	32554	581	500,000	29	25.67	0.3	2 1/2"	25.18	0.3	2 1/2"	745	310	603	124	630	95.7
ETNA-580	33116	675	580,000	33	29.83	0.3	2 1/2"	29.26	0.3	2 1/2"	745	310	603	124	630	108.9



HEAT EXCHANGERS



Uranus PLUS



Uranus Unequipped

2 YEAR
WARRANTY

EASY
INSTALLATION

SERVICES
+

Ti²²
TITANE
INSIDE

MADE IN
EUROPE

URANUS Unequipped and Plus



- + Compatible with all types of home heating systems (Heat Pump, Boiler, Geothermal, Solar)
- + High heat exchange
- + Digital regulation

- Appliance completely assembled and wired
- High performance plate exchanger TITANIUM plates
- PRIMARY with adjustable accelerator 2 1/4 turn valves, 1 valve - male thread. Ø 26/34 with Ø 20/22 soldering cartridges
- SECONDARY - PVC Ø 50
- Digital display thermostat
- Flow switch
- Mono 230 V wiring from a mains outlet
- Purge or emptying cap

PRODUCT REFERENCES

Model	URANUS 35	URANUS 70	URANUS 120	URANUS 240
Unequipped	WJ000001	WJ000003	WJ000005	WJ000007
Plus	WJ000002	WJ000004	WJ000006	WJ000008

TECHNICAL FEATURES

Model		URANUS 35	URANUS 70	URANUS 120	URANUS 240
Max. pressure (pool circuit)		3 bar / 2 bar			
Max. permitted temperature		90 °C / 40°C			
Connections	PRIMARY Heating (Unequipped model)	Ø20/22			Ø26/28
	SECONDARY Pool	PVC Ø50			
Flow (M ³ /H)	PRIMARY Heating	1,6	2,1	2,8	6,3
	SECONDARY Pool	2	2,9	4,3	8,7
Load Loss (MMCE)	PRIMARY Heating	1500	1200	1000	2000
	SECONDARY Pool	2400	2300	2500	3800

HEATING PERFORMANCE

Model	URANUS 35	URANUS 70	URANUS 120	URANUS 240
Power with primary at 90°C (kW)	55	80	120	240
Power with primary at 60°C (kW)	27	38	63	123
Power with primary at 45°C (kW)	15	21	34	68

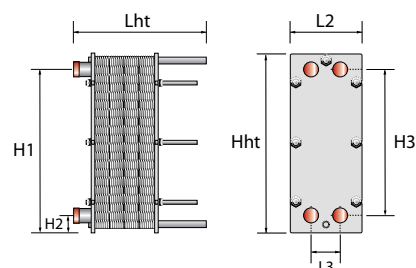
HEAT EXCHANGERS

DIMENSIONS (MM) AND WEIGHT

Model	URANUS 35	URANUS 70	URANUS 120	URANUS 240
Unequipped	14 kg	15 kg	17 kg	31 kg
Plus	29 kg	30 kg	31 kg	50 kg

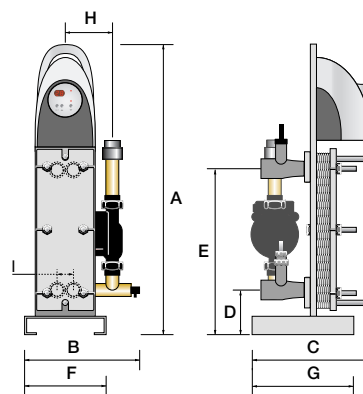
DIMENSIONS (MM) UNEQUIPPED MODEL

Model	URANUS 35-70-120	URANUS 240
Lht	255	407
L2	140	200
L3	50	60
Hht	380	500
H1	339	429
H2	41	75
H3	298	357



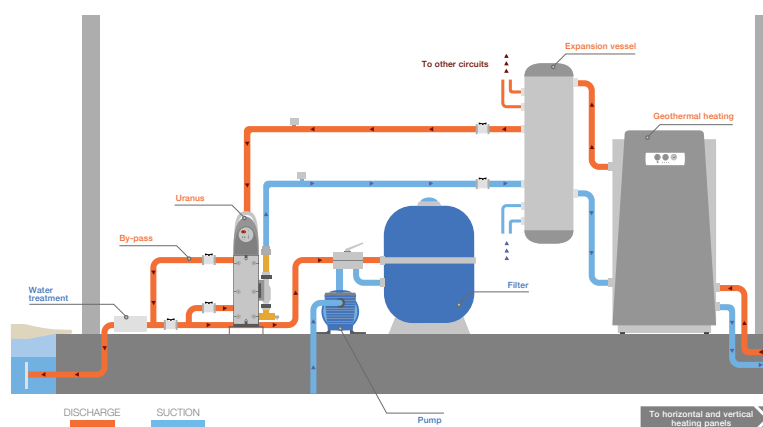
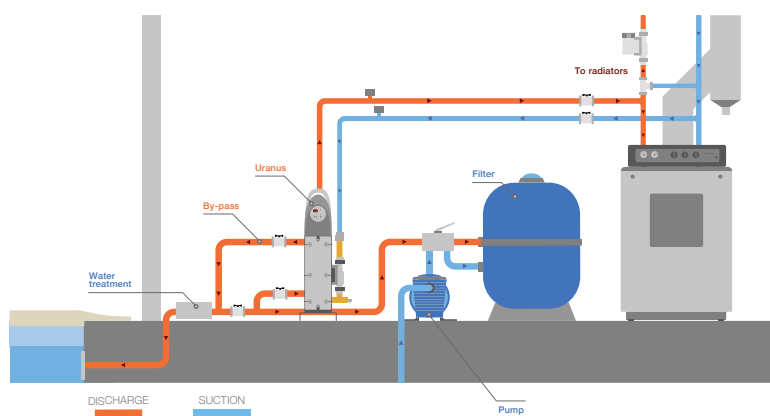
DIMENSIONS (MM) PLUS MODEL

Model	URANUS 35-70-120	URANUS 240
A	758	840
B	334	347
C	415	480
D	116	137
E	414	494
F	250	250
G	200	450
H	127	148
I	50	60



INSTALLATION

- In the technical facility nearby the boiler at the filtering system output (plan a by-pass).
- Single-phase electric power supply 230V
- In special cases: exchanger supplied from a geothermal or heat pump.
- The exchanger must be sized taking into account the heating needs of the pool, the specifications of the exchangers with primary at 45°C or 60°C (see specifications table) and the power of the geothermal. For correct operation of the geothermal we recommend installing a buffer tank as shown in the diagram below.





POOLS

COMPETITION MATERIALS

376 COMPETITION POOL SYSTEMS

- 376 Movable BULKHEAD
- 376 Movable WALL
- 376 Movable FLOOR
- 377 Sparger - Safety on diving boards
- 377 Location of the equipment used in competition pools

378 SWIMMING POOL COMPETITION PODIUMS

- 378 Starting blocks
- 383 Starting blocks numbers
- 384 Headwall for podiums
- 384 Podium fixing

385 LANE ROPES

- 385 BCN03 Competition lane rope model
- 385 Sydney model
- 385 Roma model
- 385 Moscow model

386 FLOATS

- 386 BCN03 model
- 386 Sydney model
- 386 Moscow model
- 386 Lane Saver Caddy
- 386 Lane line anchor for overflow pools

387 LANE ROPE STORAGE EQUIPMENT

- 387 BCN03 Lane rope storage basket
- 387 Lane rope roller

388 LANE ROPE ACCESSORIES

390 SIGNAGE

- 390 False start indicators
- 391 Backstroke turn indicators

391 TURNING PANELS

- 391 Turning panels
- 392 Bracket

392 ATTACHMENTS FOR COMPETITION EQUIPMENT

- 392 Horizontal flange anchoring sockets
- 392 Angled flange anchoring socket
- 393 Anchoring socket with locking bolts

393 WATER POLO GOAL

- 393 Water polo goal

COMPETITION POOL SYSTEMS

The movable bulkhead, Wall and floor technology developed by Fluidra multiplies a pool's possibilities, as it divides it into different spaces and makes different sizes, depths and possible uses. This increases the profitability of the available space and saves on the construction costs involved in building different aquatic facilities.



MOVABLE BULKHEAD

SR Smith

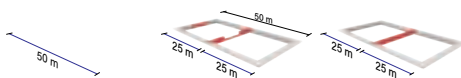
ASTRALPOOL

A **Movable Bulkhead** is a vertical underwater structure able to move lengthwise across a pool floor to form a physical barrier, to make the most of the space in a pool as it divides it into areas for different uses.

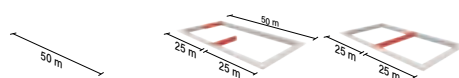
STANDARD MODEL



MEDITERRANEAN MODEL



SPLIT MODEL

**Benefits:**

- Easily integrable solution
- World Aquatics Compliant
- Quick installation
- Added value for businesses
- Easy to use
- Durable
- Low maintenance

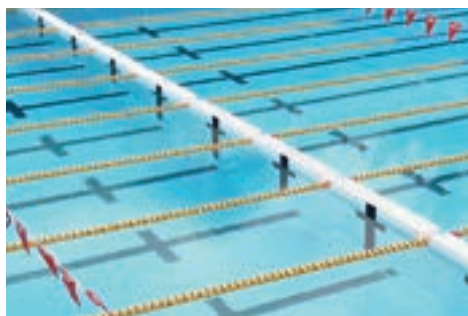


World Aquatics

MOVABLE WALL

SR Smith

The **Movable Wall** is install at a fixed point on the pool floor where the pool is divided into two parts. In rest position, when the wall is not in use, the wall is completely flat in a recess on the pool floor. In a newly built swimming pool, the wall are integrated in a structural recess, so that the wall is not visible in its resting position.

**Benefits:**

- Easily integrable solution
- Quick installation
- Added value for businesses
- Easy to use
- Durable
- Low maintenance

MOVABLE FLOOR

ASTRALPOOL

A **Movable Pool Floor** makes possible the use of a single swimming pool to stage several activities at the same time that require various depths of water. The system is based on a mobile platform submerged in the water that changes the height of the pool shell, which enables a number of areas of varying depths to be created according to needs. In addition, the movable pool floor can be used to partially or totally cover a pool, which means greater energy savings and safety.

**Benefits:**

- Easily integrable solution
- Quick installation
- Added value for businesses
- Easy to use
- Durable
- Hygienic
- Reliable
- Low maintenance

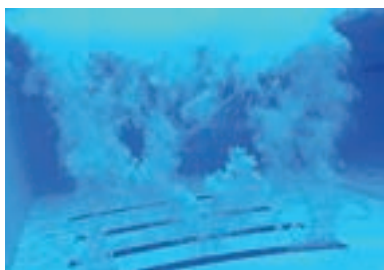
COMPETITION POOL SYSTEMS

SPARGER - Safety on diving boards

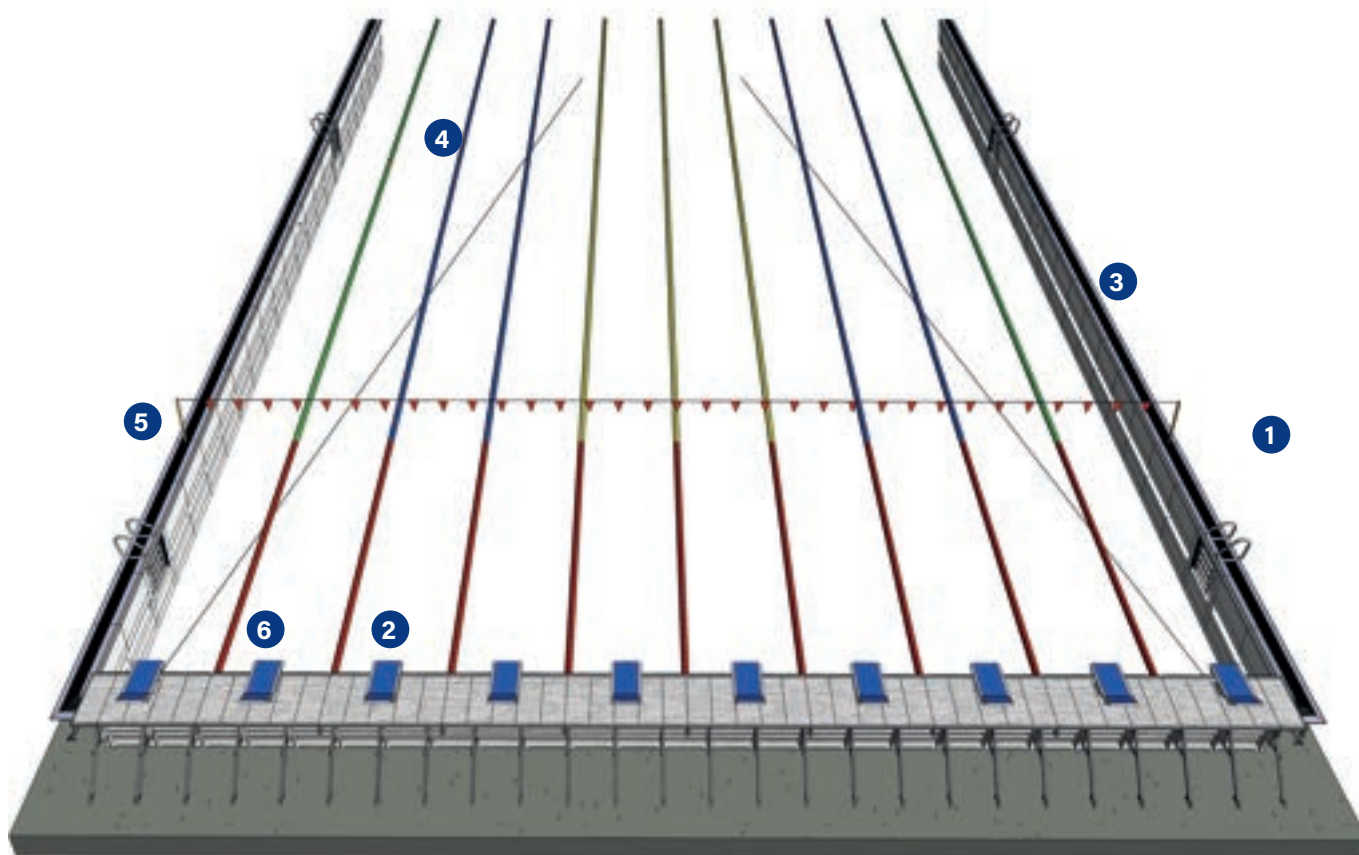


When diving off a diving board, the undisturbed water forms a fairly resistant surface, which if combined with a bad descent can result in serious injury on impact.

AstralPool has added **Sparger technology** to its pools in the shape of a new safety system for diving pools. Air is released at high pressure from the pool floor, which forms a large amount of bubbles when it mixes with the water to form a cushion for divers. This reduces the risk of injury and divers are more confident when they dive into the water, whether they are beginners or professionals.



LOCATION OF THE EQUIPMENT used in competition pools



- | | |
|-----------------------------|-------------------------------|
| ① Ladder | ④ Float lines |
| ② Starting block | ⑤ Backstroke flags |
| ③ Grating for pool overflow | ⑥ Turning panel with supports |

SWIMMING POOL COMPETITION PODIUMS

STARTING BLOCK



Specially designed for competition events. Available with adjustable footrest to facilitate entry into the water. Its minimalist design in high quality materials gives it an elegant and modern look.

Manufactured in AISI-316 stainless steel. Polished surface finish. Adjustable support (6 positions). Fastening 54460 not included in supply.

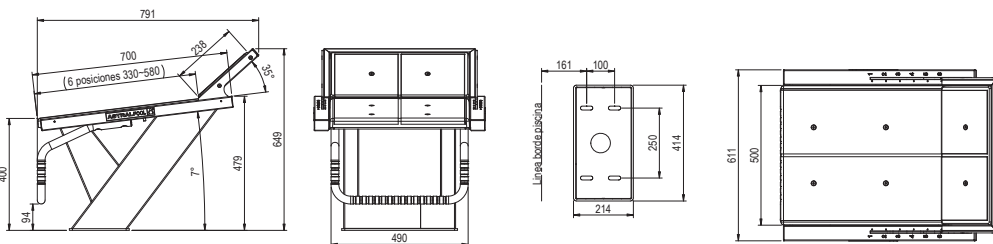


Complies with Standard
EN 13451-4



World Aquatics

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Starting block	53875	1	-	-



STARTING BLOCK H-700 mobile support



Specially designed for competition World Aquatics compliant and UNE EN 13451-4. It has adjustable support of 6 positions to facilitate the exit to the swimmer. Made of AISI-316 stainless steel and with a height of 700 mm to avoid having to install headwall for podiums in the pool. Installation with anchor 73971 not included in supply.

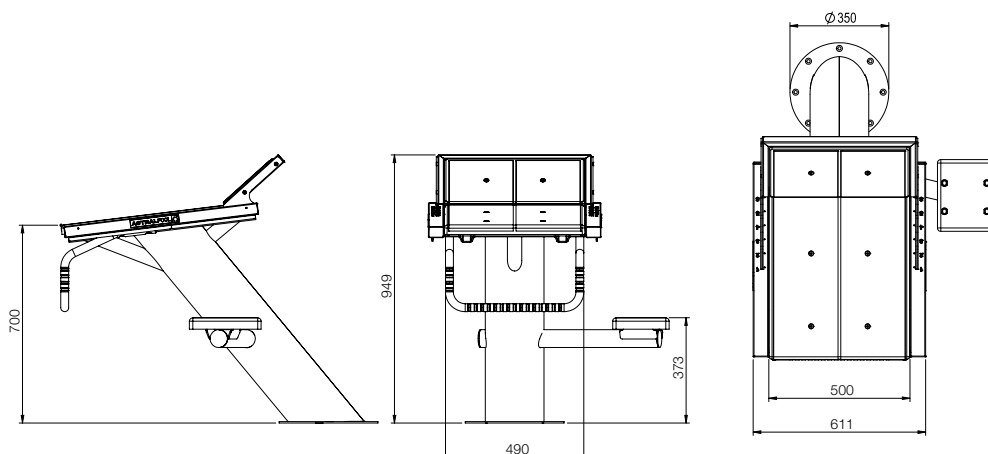
	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Starting block, height 700 mm	74011	1	110	-



Complies with Standard
EN 13451-4



World Aquatics



STARTING BLOCK H-700 anchorage



Anchor designed for the H-700 podium with support, code 74011, to be embedded in concrete. Made in Stainless Steel AISI-316L.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Anchor	73971	1	8.42	-

SWIMMING POOL COMPETITION PODIUMS

STARTING BLOCKS

ASTRALPOOL 

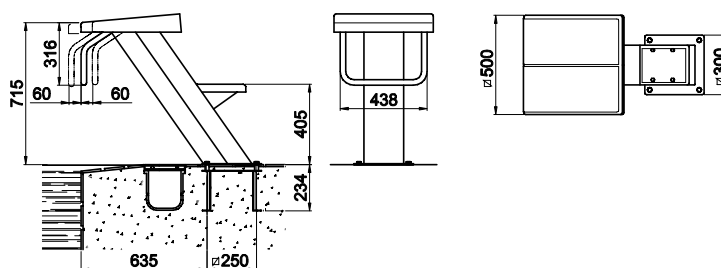
Base in S.S. AISI-316. Adjustable platform in polyester & fibreglass with non-slip finish 500 mm x 500 mm. Number sequence not included. Plate anchoring for starting block in AISI-316 code 54461 not included.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
POLISHED FINISH:				
Height 700 mm	00144	1	32.0	0.36
Height 400 mm	00145	1	25.3	0.18

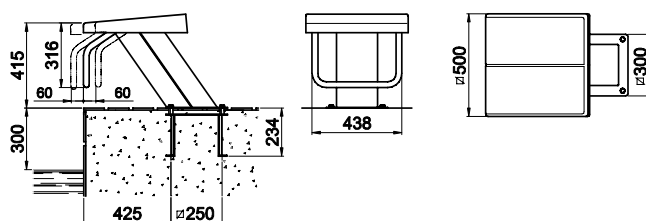


Complies with Standard
EN 13451-4

00144



00145



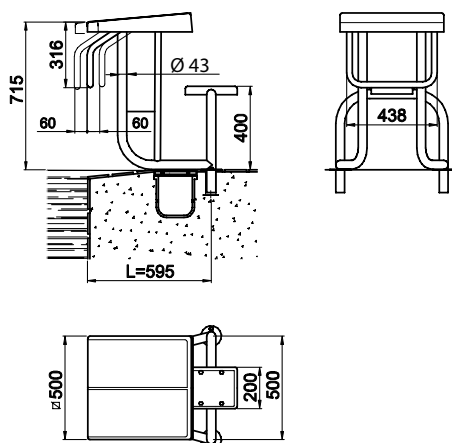
STARTING BLOCKS

ASTRALPOOL 

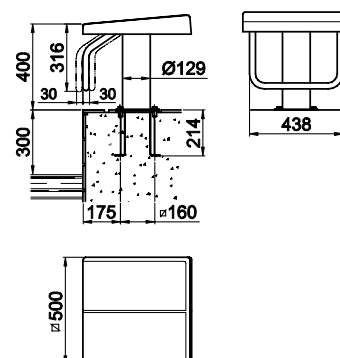
Made in S.S. AISI-304. Platform in Polyester and fibreglass with non-slip finish 500 mm x 500 mm. Number sequence not included.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
POLISHED FINISH:				
Height 700 mm	00146	1	25.0	0.48
Height 400 mm	27578	1	18.0	0.11

00146



27578



Note: The starting block with code number 00146 may be made to order to adapt to the position of the overflow channels. In such cases, the measurement for L must be provided.

Notes:

Code 00146: Fastener (code 00143), not included.

Code 27578: Fastener (code 54462), not included.



Complies with Standard
EN 13451-4

SWIMMING POOL COMPETITION PODIUMS



VELOCITY ADVANTAGE Starting block

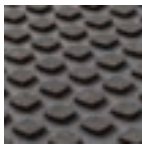


Velocity Advantage starting blocks feature strong fiberglass footboards with track start wedge on an HDPE composite base, particularly suitable for bulkheads.

- The marine grade HDPE composite base easily mounts to pool decks or bulkheads with minimal drilling.
- 41cm height makes it well suited for bulkheads and end walls with 20 cm to 42 cm deck to water heights.
- The 71cm x 81cm footboard surface is available with TrueTread® or sand tread.
- Track start wedge, adjustable to 5 positions, easily tucks under the footboard.
- Three built in backstroke handholds – two center positions and one on each side.
- Colorado & Daktronics timing system compatible.
- Custom colors and logos available on sand tread footboards.
- Meets World Aquatics, NCAA, NFSHSA*, USMS and USAS competition pool rules and regulations.



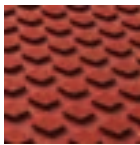
TrueTread available colors:



GRAY



BLUE



RED



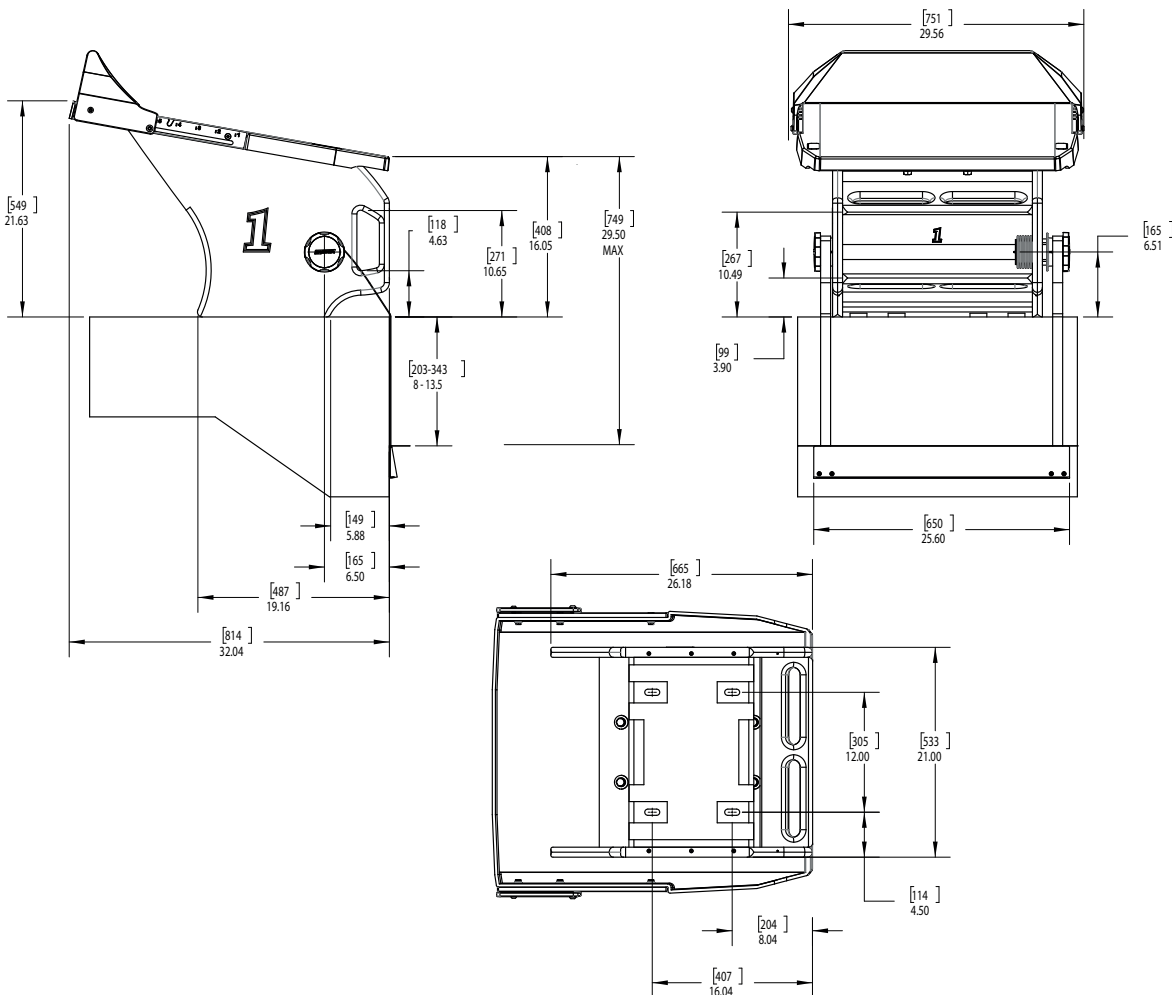
YELLOW

TRUETREAD

Sand Tread available colors:

- White, Red, Blue, Green and Yellow.
- Personalize the foot board with your logo. Logo can be only be applied to white Sand Tread.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Velocity Advantage with TrueTread™	VELO-ADV-BK-T	1	53	-
Velocity Advantage with Sand tread	VELO-ADV-BK-S	1	53	-
Anchor kit, velocity advantage.	27-111	1	53	-



SWIMMING POOL COMPETITION PODIUMS

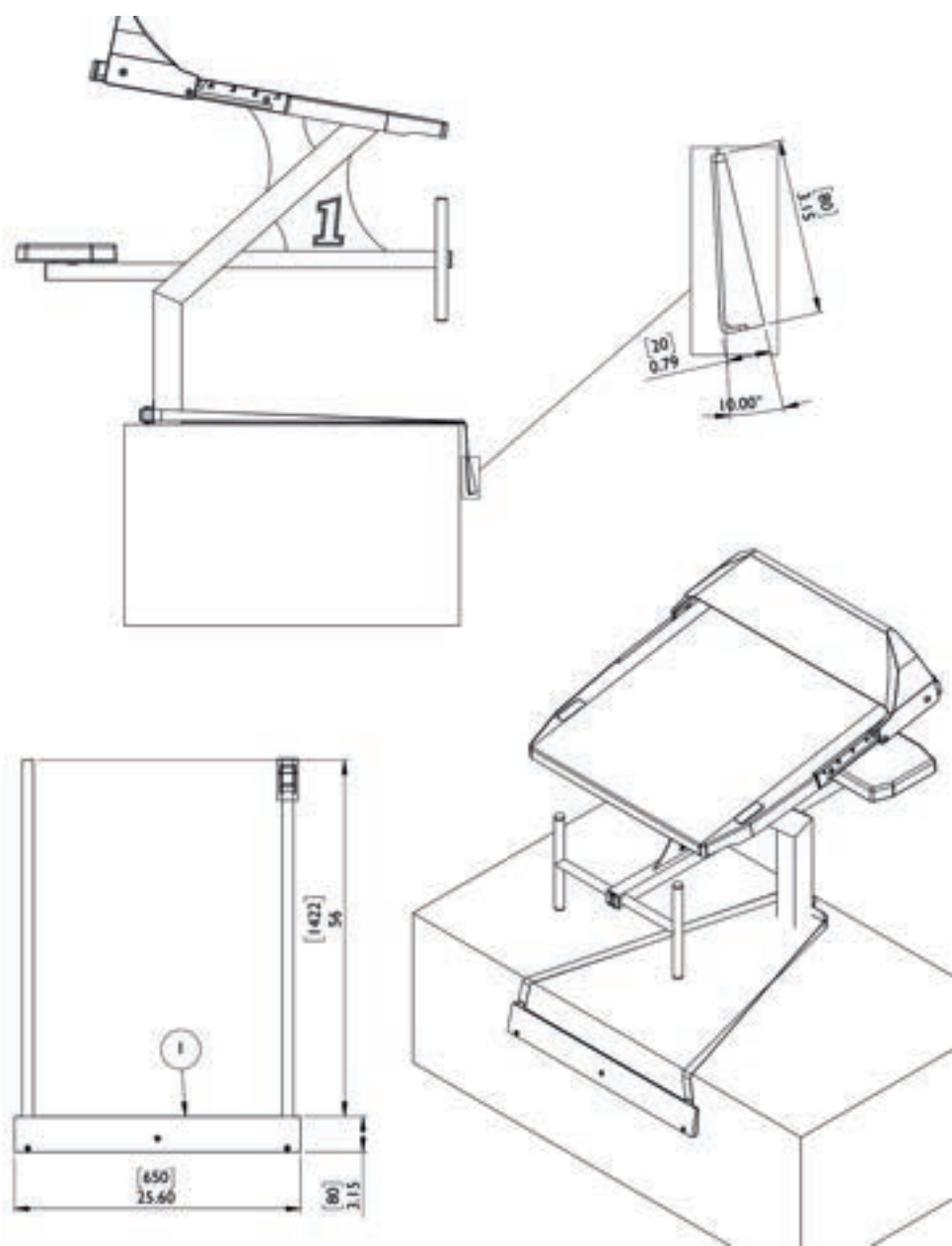


BACKSTROKE START TRAINING device



- Anti-slip backstroke ledge with raised diamond pattern.
- Two 5-foot polyester straps with stainless steel cam buckle to secure and adjust height.
- Works with a wide variety of starting platforms.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Backstroke start training device	03-650T	1	1.4	-



SWIMMING POOL COMPETITION PODIUMS



BACKSTROKE START SYSTEM



Designed to help make backstroke starts faster and reduce the chance for slipping, the Backstroke Start System provides the option to easily add this capability to virtually any pool deck or starting platform configuration..

- Anti-slip backstroke ledge with raised diamond pattern.
- Easily adjustable ledge height with one-handed operation from in or out of pool.
- Spool end marked with millimeter increments (-40, -20, 0, 20, 40).
- Durable HDPE frame to protect from harsh elements at either indoor or outdoor locations.
- Three unique mounting options to secure device to most deck and block configurations.
- Clear markings on spool to show height of ledge to water level for compliance.
- World Aquatics compliant for competition.



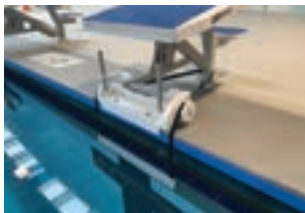
World Aquatics

3 mounting options:



ANCHOR MOUNTING KIT

Plastic anchor with grounding bolt fastened with plastic-headed stainless steel thumb screws



BRACKET MOUNTING KIT

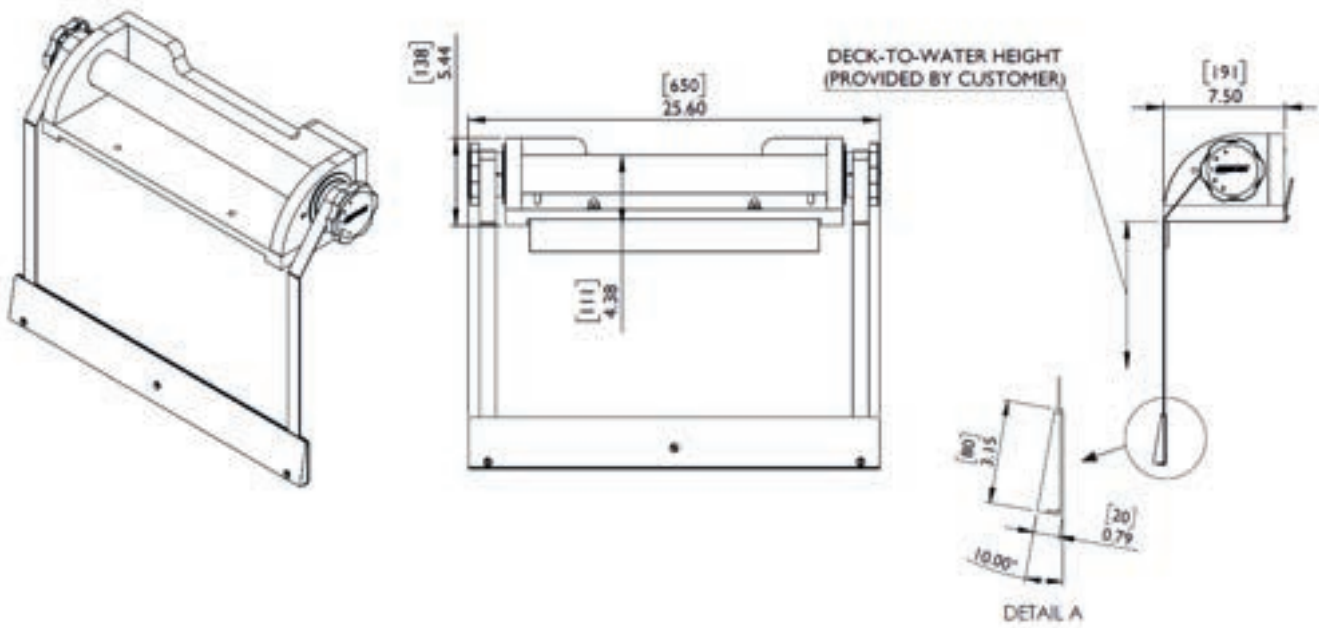
Vinyl-coated 1/4" thick stainless steel bracket with 10 foot long polyester strap and stainless steel cam buckle



SQUARE POST-MOUNTING KIT

Vinyl-coated 1/4" thick stainless steel plate and two brackets shaped to lock onto 2 inch square single post frames

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Backstroke start system base unit	BSS1000	1	11	-
Anchor Mounting Kit	13-600	1	2.3	-
Bracket Mounting Kit	13-601	1	3.2	-
Square Post-Mounting Kit	13-603	1	4.6	-



SWIMMING POOL COMPETITION PODIUMS



Height
80 mm

Height
100 mm

STARTING BLOCKS NUMBERS



4 units of each supplied.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Height 80 mm				
(For starting blocks 00146 - 27578 - 27836)				
For starting blocks from 1 to 6	28616	1	-	-
For starting blocks from 1 to 10	28617	1	-	-
Height 100 mm				
(For starting blocks 00144 - 00145 - 19956 - 28760 - 28761 - 53875)				
For starting blocks BCN03 from 1 to 6	34200	1	0.1	0.001
For starting blocks BCN03 from 1 to 10	34201	1	0.1	0.001

SWIMMING POOL COMPETITION PODIUMS



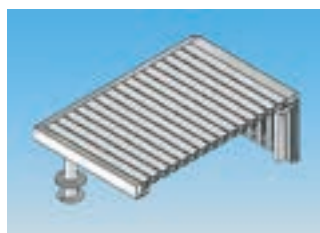
HEADWALL FOR PODIUMS



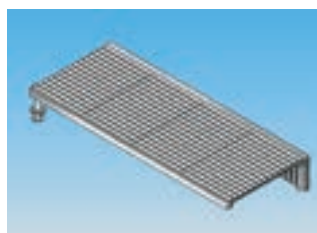
Complies with Standards
EN 13451-1
EN 13451-1-6

AstralPool has created a headwall that allows starting blocks to be attached. This addition extends our range of products for competition. The item consists of an AISI-304 Stainless Steel structure and plastic grating. The platform can also be used as a turning panel and includes anchors for float lines.

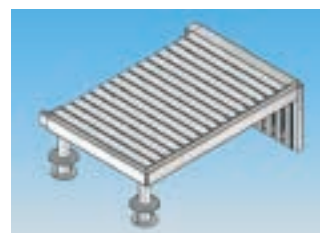
	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Headwall, lane width 2 m	34213	1	-	-
Headwall, lane width 2.5 m	34214	1	-	-
Headwall, right corner	34215	1	-	-
Headwall, left corner	34216	1	-	-



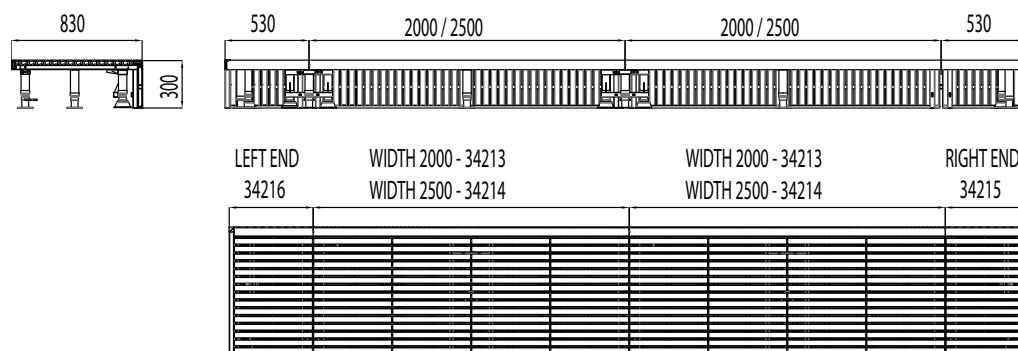
34216



34213 - 2 m
34214 - 2.5 m



34215



PODIUM FIXING



Anchoring for installation of the podiums in concrete, made in Stainless Steel AISI-304/316, composed by inground base, bolts and washers, with connection to the equipotential circuit.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Made in AISI-316				
Competition podium fixing	54460	1	2.4	0.02
Fixing for the podium	54461	1	3.5	0.02
Made in AISI-304				
Fixing for the podium	54462	1	2.4	0.02

Fastening 54460: For podiums codes 28760 - 28761 - 53875

Fastening 54461: For podiums codes 00144 - 00145 - 19956

Fastening 54462: For podium code 27578

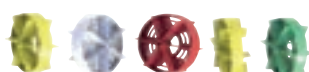
LANE ROPES



It is possible to supply
any length, colour
combination and rope.



World Aquatics



It is possible to supply
any length, colour
combination and rope.



World Aquatics



BCN03 Competition lane rope model



Developed and patented by AstralPool it obtains maximum absorption of the waves created by swimmers, It reduces waves in inner competition lanes by 80%. (up to 50% less waves than conventional ones). Lane ropes supplied assembled with floats, 6 mm stainless steel rope (code 28808), tightener (00208) and spring (01468). Floats with interior turbines with an external Ø of 148 mm in accordance with World Aquatics international swimming federation regulations.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
25 m				
Red - White colour	67599	1	-	-
Red - Green colour	67601	1	-	-
Red - Blue colour	67602	1	-	-
Red - Yellow colour	67603	1	-	-
50 m				
Red - White colour	67600	1	-	-
Red - Green colour	67604	1	-	-
Red - Blue colour	67605	1	-	-
Red - Yellow colour	67606	1	-	-

SYDNEY model



Range comprising lane ropes with an external Ø of 148 mm in accordance with World Aquatics international swimming federation regulation FR 3 for pools for Olympic Games or world championships. Supplied assembled with floats, 6 mm stainless steel rope (code 28808), tightener (00208) and spring (01468).

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
12.5 m*				
White colour	67607	1	-	-
16.5 m White colour				
White colour	67608	1	-	-
25 m				
Red - White colour	67609	1	-	-
Red - Green colour	67612	1	-	-
Red - Blue colour	67613	1	-	-
Red - Yellow colour	67614	1	-	-
33 m³/h				
Red - White colour	67610	1	-	-
50 m				
Red - White colour	67611	1	-	-
Red - Green colour	67615	1	-	-
Red - Blue colour	67616	1	-	-
Red - Yellow colour	67617	1	-	-

* Available in other colours (blue, green, yellow)

ROMA MODEL



Supplied assembled with floats, 7 mm polyester rope (code 00210), tightener (00209) and hook (00207).

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
12.5 m White colour	67618	1	-	-
16.5 m White colour	67619	1	-	-
25 m Orange - White	67620	1	-	-
33 m Orange - White	67621	1	-	-
50 m Orange - White	67622	1	-	-

* Available in other colours (Blue, Green, Red)

MOSCOW MODEL



Supplied assembled with floats, 7 mm polyester rope (code 00210), tightener (00209) and hook (00207).

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
12.5 m White colour	67623	1	-	-
16.5 m White colour	67624	1	-	-
25 m Orange - White	67625	1	-	-
33 m Orange - White	67626	1	-	-
50 m Orange - White	67627	1	-	-

* Available in other colours (Blue, Green, Red)

FLOATS

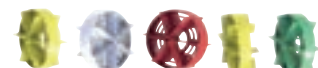


BCN03 MODEL

ASTRALPOOL 

Supplied with inner turbine mechanism.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Colour				
White	28204	-	-	-
Green	28425	-	-	-
Blue	28423	-	-	-
Red	28424	-	-	-



SYDNEY MODEL

ASTRALPOOL 

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Colour				
White	54032	-	-	-
Yellow	54031	-	-	-
Blue	54028	-	-	-
Red	54029	-	-	-
Green	54030	-	-	-

MOSCOW MODEL

ASTRALPOOL 

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Moscow propeller:				
Colour				
White	00161	150	7.0	0.070
Orange	00162	150	7.0	0.070
Blue	00163	150	7.0	0.070
Red	00164	150	7.0	0.070

**Rome floaters:**

Colour				
White	00149	500	7.0	0.110
Orange	00150	500	7.0	0.110
Blue	00151	500	7.0	0.110
Red	00152	500	7.0	0.110



LANE SAVER CADDY

SR Smith 

The lane saver caddy fits over the edge of the pool deck, protecting the lane lines from damage as they are removed from the pool.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Lane Saver Caddy	30-61-1014	-	-	-



LANE LINE ANCHOR FOR OVERFLOW POOLS

SR Smith 

- Low profile lane line anchor for use on pools with overflow gutters
- Helps keep lane lines on the surface for better wave quelling
- Marine-grade, 316 stainless steel that's vinyl coated for extra protection
- 140mm and 200mm lengths
- ChemSet anchor kit included
- Specifications: Coated stainless steel

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Lane Line Anchor for Overflow Pools 140mm	17-61-140S	-	-	-
Lane Line Anchor for Overflow Pools 200mm	17-61-200S	-	-	-



LANE ROPE STORAGE EQUIPMENT

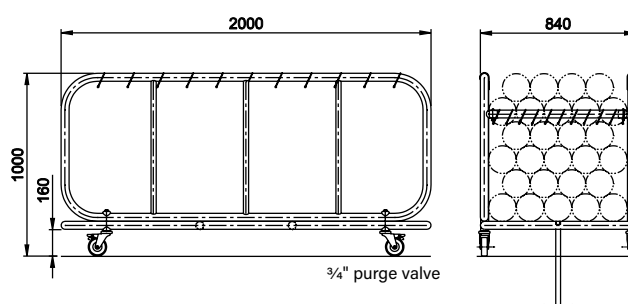


BCN03 Lane rope storage basket

ASTRALPOOL

A new trolley designed to transport and store the BCN03 Lane ropes after use in the swimming pool. The BCN03 lane rope storage basket is manufactured of AISI-316 Stainless Steel and includes a PVC bag for collecting excess water from the float lines. Due to the bag's bottom outlets, it is emptied in a controlled manner with no water spillage. The trolley has four castor wheels for maximum mobility. Two of these fitted with brakes. It can store a lane rope up to 50 m long (or 2 of 25) and can be used for all lane rope models.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
	28623	1	55.0	0.389



LANE ROPE ROLLER

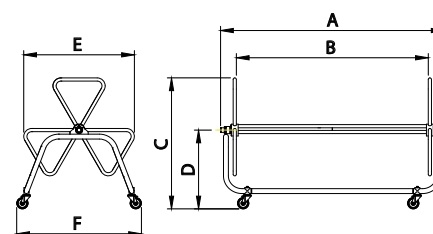
ASTRALPOOL

Made in Stainless Steel AISI-304, fitted with a large wheel for operation. It is mounted on 4 castor wheels for easy handling. Two of these are fitted with brakes.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Width 1.2 m	58860	1	27	0.31
Width 1.8 m	58859	1	32	0.45

NUMBER OF LANE ROPES COLLECTED

Model	1.2 m			1.8 m		
	25 m	33 m	50 m	25 m	33 m	50 m
ROMA	8	6	4	12	9	6
SIDNEY	2	1	1	3	2	1
MOSCOW	4	2	2	6	3	3



TECHNICAL FEATURES

Code	A	B	C	D	E	F
58860	1415	1125	1165	690	970	1085
58859	2015	1725				

LANE ROPE ACCESSORIES

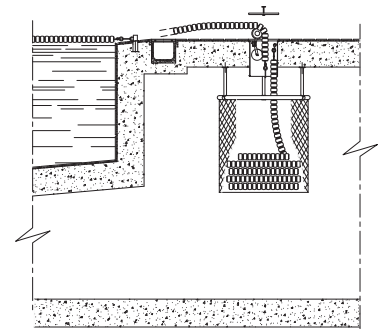
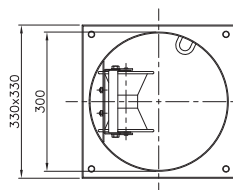
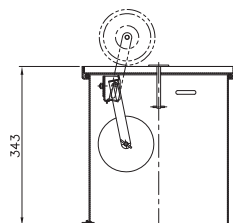
ASTRALPOOL

UNDER DECK lane rope storage system

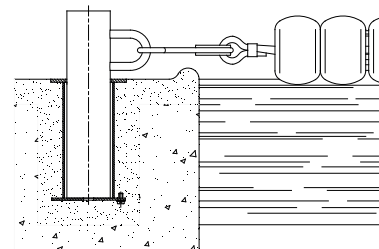


Made of AISI-316, allows the storage of the float lines beneath the deck. The float line box is embedded in the pool surround and holds the retractable reel over which the float line slides into the hole. This unit can be complemented with a lane rope collecting bag if required.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
	15842	1	12.8	0.08

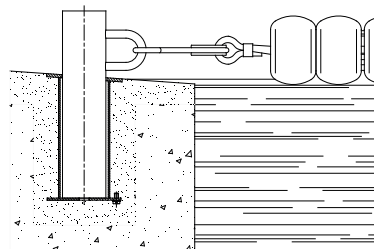


Zurich/Wiesbaden type installation diagram



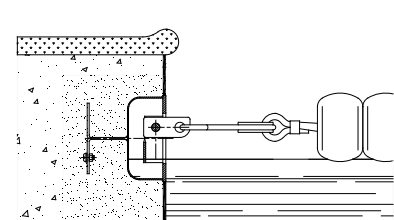
Anchor Lane rope support code 00141 code 00140

Finnish type installation diagram



Anchor Lane rope support code 00142 code 00140

Standard type Installation diagram



Anchoring cup code 09206 code 09207 code 00205 code 00206

LANE ROPE ANCHOR

ASTRALPOOL



Made in AISI-316 stainless steel. To use with anchoring fixture 00141 and 00142.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
	00140	2	0.63	0.003

CONCRETE anchoring cup with central rod

ASTRALPOOL

Made in AISI-316 stainless steel.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
For concrete pool	09206	1	0.4	0.001

LANE ROPE ACCESSORIES

CONCRETE anchoring cup with central rod



Made in AISI-316 stainless steel.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
For prefabricated pools with flange, gasket and screws	09207	1	0.5	0.001

RETRACTABLE ANCHORING CUP



Made in AISI-316 stainless steel.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
For concrete pool with a retractable hook	00205	1	0.46	0.001

RETRACTABLE ANCHORING CUP



Made in AISI-316 stainless steel.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
For prefabricated pools with retractable hook, flange, gaskets and screws	00206	1	0.6	0.001

LANE ROPE RATCHET



Chrome plated brass.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
	00208	1	0.97	0.002

LANE ROPE RATCHET



AISI-316 stainless steel.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
	00209	1	0.2	0.001



LANE ROPE ACCESSORIES



LANE ROPE SPRING

ASTRALPOOL

AISI-204 stainless steel with cable fastener.

Code	Standard Pack	Standard weight in kg	Standard volume in m ³
01468	1	0.62	0.002



LANE ROPE HOOK

ASTRALPOOL

Stainless Steel AISI-304.

Code	Standard Pack	Standard weight in kg	Standard volume in m ³
00207	100	5	0.01



CORDS AND CABLES

ASTRALPOOL

Code	Standard Pack	Standard weight in kg	Standard volume in m ³
00210	110 m	2.0	0.090
00211	-	0.1	0.001
28808	-	-	-

Ø 7 mm polyester rope

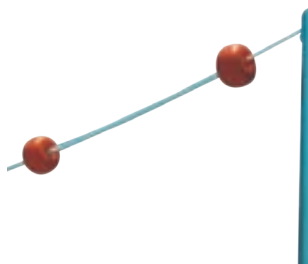
AISI-316 stainless steel cable

Ø 4 x 6 mm with plastic coating DIN 3055

BCN03 AISI-316 Stainless Steel cable

Ø 6 mm without plastic coating

SIGNAGE



FALSE START INDICATORS

ASTRALPOOL

Please indicate pool width when placing your order.

Comprises 2 posts in AISI-316 S.S. (one with pulley and quick release cord). Height 1.8 m. Anchoring socket not included.

Code	Standard Pack	Standard weight in kg	Standard volume in m ³
False start posts:			
- Pool width up to 21 m Ø 43 mm pipe for use with anchoring sockets 00141 and 00142			
19950	1	5.6	0.01
- Pool width over 21 m Ø 48 mm pipe for use with anchoring sockets 19960 and 19961			
19951	1	9.4	0.01
False start floats:			
Polyester cord and floats			
19954	1	-	-

NOTE:
You must state the pool dimensions and depths on placing your order.



World Aquatics

SIGNAGE

BACKSTROKE TURN INDICATORS

ASTRALPOOL 

Please indicate pool width when placing your order.

Comprises 4 posts in AISI-316 stainless steel. Height 1.8 m. Anchoring sockets not included.

Code	Standard Pack	Standard weight in kg	Standard volume in m ³
------	---------------	-----------------------	-----------------------------------

Backstroke turn indicator posts

- Pool width up to 21 m

Ø 43 mm pipe for use with anchoring sockets 00141 and 00142

19952	1	11.2	0.03
-------	---	------	------

- Pool width over 21 m

Ø 48 mm pipe for use with anchoring sockets 19960 and 19961

19953	1	20.0	0.03
-------	---	------	------

Backstroke turn indicator bunting

2 units

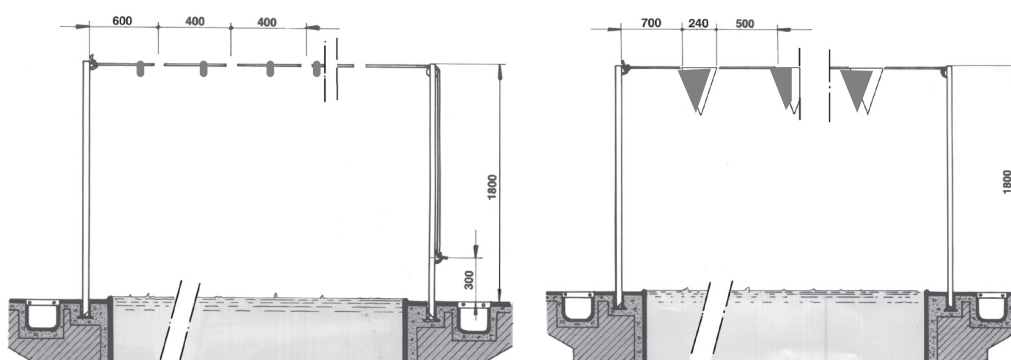
19955	1	-	-
-------	---	---	---

NOTE:

You must state the pool dimensions and depths on placing your order.



World Aquatics



TURNING PANELS

TURNING PANELS

ASTRALPOOL 

In AISI-316 stainless steel with plastic lattice screen. Height 300 mm. Fixing support (00139) is not included

Code	Standard Pack	Standard weight in kg	Standard volume in m ³
------	---------------	-----------------------	-----------------------------------

Lane width 2 m

00137	1	13.6	0.040
-------	---	------	-------

Lane width 2.5 m

00138	1	16.5	0.051
-------	---	------	-------

NOTE:

You must state the pool dimensions and depths on placing your order.

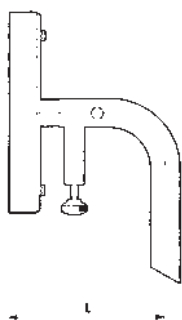
Complies with Standards
EN 13451-1
EN 13451-6

TURNING PANELS

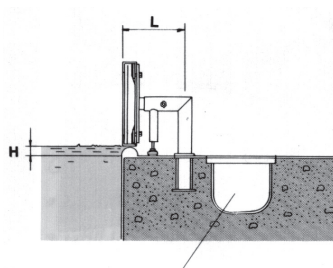
BRACKET



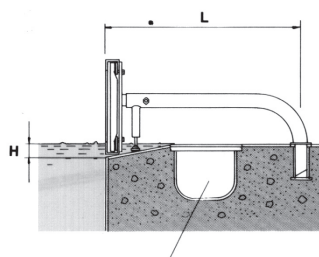
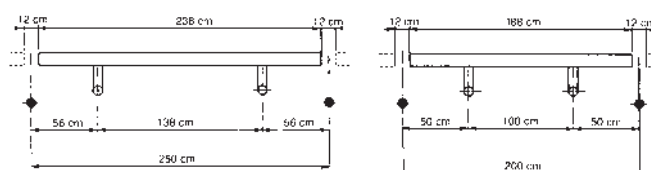
AISI-316 stainless steel (for coupling to 00141 and 00142 fasteners). State H and L dimensions and type of overflow channel when placing an order. A minimum of two units are required for each rotating panel.



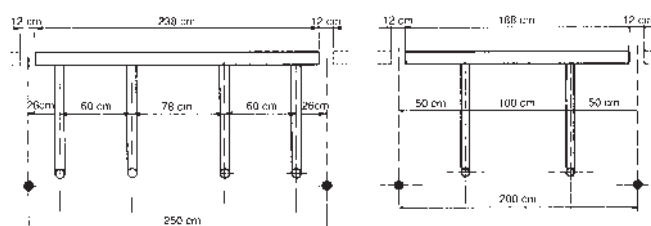
Complies with Standards
EN 13451-1
EN 13451-1:6



ANCHORING DETAILS WHEN MEASUREMENT «L» IS LESS THAN 500 mm.



ANCHORING DETAILS WHEN MEASUREMENT «L» IS OVER 500 mm.



ATTACHMENTS FOR COMPETITION EQUIPMENT

HORIZONTAL flange anchoring sockets



Zurich-Wiesbaden. In S.S. AISI-316.



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
For Ø 43 mm pipe	00141	2	1.17	0.002
For Ø 48 mm pipe	19960	2	1.3	0.002

ANGLED flange anchoring socket



Finnish. In S.S. AISI-316.



	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
For Ø 43 mm pipe	00142	2	1.13	0.002
For Ø 48 mm pipe	19961	2	1.26	0.002

ATTACHMENTS FOR COMPETITION EQUIPMENT

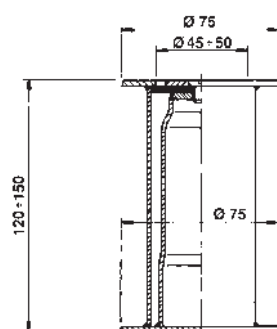
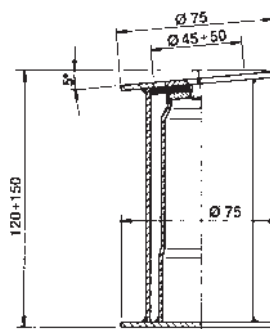
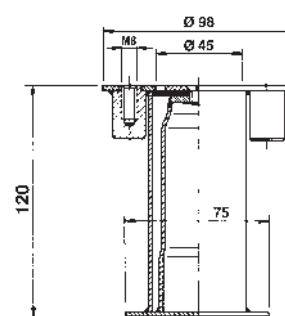


ANCHORING socket with locking bolts

ASTRALPOOL

With bolts. In S.S. AISI-316.

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
	00143	2	1.47	0.003

Code 00141
Code 19960Code 00142
Code 19961

Code 00143

WATER POLO GOAL



WATER POLO GOAL

The water polo goal is lightweight, floating and very resistant. It is built entirely from aluminium and is oven-painted white.

Manufacturing and measurements in accordance with World Aquatics international swimming federation standards.

- Floating: Polyurethane foam-filled aluminium floats.
- Goal frame: 80 x 50mm aluminium tube
- Net fastening: 6 mm stainless steel round rod.
- Net side pipe: 23 mm stainless steel round pipe with fastening in frame and float.
- Fastening for goal lines.
- Nets included.



World Aquatics

	Code	Standard Pack	Standard weight in kg	Standard volume in m ³
Official water polo goal kit	69654	1	-	-



WELLNESS

FLUIDRA





Hotel Monastero di Cortona - Italy



UNFORGETTABLE WELLNESS EXPERIENCE

Quality time is one of the most precious resources in today's world, which is why Fluidra takes care of every detail to ensure that the wellness experience is an unforgettable one.

Once-in-a-life-time moments in unique spaces that provide a source of health and well-being.

We innovate new worlds, design new dreams, and explore unknown paths...

We provide our clients with creative and sustainable solutions that respect the details and quality that go hand in hand with craftsmanship.

To be born, to grow, and to keep growing.

Explore the well-being catalogue, that provides a full wellness experience, with different spaces; **temperature, water, relax and treatment.**





WATER

439





WELLNESS

WATER

440 EMOTIONAL SHOWERS

- 442 Sense Pro
- 443 Aqua
- 444 Infinity
- 445 Vita

447 EMOTIONAL TUNNELS

- 447 Aqua
- 448 Infinity
- 449 Vita

450 CONTRAST SHOWERS

- 450 Bucket
- 450 Cold
- 450 Hot & Cold

451 HORIZONTAL SHOWERS

452 KNEIPP

453 MINI CONTRAST POOLS

- 454 One
- 454 Two

456 VITALITY POOLS

- 457 Optimal / Wellness / Comfort / Sport
- 459 Playa / Playa Living

460 HYDRO LEISURE ELEMENTS

480 SPA RANGE

482 STAINLESS STEEL SPAS

- 482 Vulcano
- 482 Mercurio
- 483 Venus
- 483 Neptuno
- 484 Zeus
- 484 Apolo 6
- 485 Apolo 8
- 485 Apolo 10

486 ACRYLIC SPAS

- 486 Odisea 20
- 486 Mirage 40
- 487 Roma
- 487 Tokyo 70
- 488 Verona
- 488 Olympia
- 489 Hotel Spa

492 KITS FOR SPAS

- 492 Optional Kits for spas

493 COMPLEMENTS FOR SPAS

494 NORDIC BATHS

EMOTIONAL SHOWERS

- + Hydrotherapy helps treat the most diverse illnesses, practically any ailment you can imagine, using pressure exerted on the body, simple showers or ones that use certain products, the top-down effect of jets, and localized therapy that stimulates the metabolism, nervous system, and blood flow by either holistically treating the body or with a more targeted solution using water with contrasting temperatures.
- + AstralPool's range of treatment showers features top-of-the-line parts. Designed for professional use, they are low-maintenance, easy to install, and equipped for long-term use.












EMOTIONAL SHOWERS

The emotional showers and tunnels combines fully programmed water, light, and temperature effects. The perfect fit for designs that incorporate water and moods created by lights, sounds, and fragrances.

ASTRALPOOL

TYPES OF JETS

	RAIN Delicate on the skin, the rain jet tickles it causing a pleasant, stimulating and relaxing sensation.		NEBULIZED The nebulized jet slips in the environment, wrapping the body in a cosy and regenerating cloud of water.		TROPICAL A constant and powerful jet, with an embracing and revitalizing effect, massaging the body and recharging its energy.
	WATERFALL The powerful gesture of the waterfall absorbs us and, through the skin contact, communicates its energizing force to the whole body.		AERATED Water and air mix and enhance each other, massaging the body and inducing creativity and dynamism.		ATOMIZED By reducing the water into tiny particles, the atomized jet gives a refreshing and relaxing feeling of wellbeing.
	TROPICAL AERATED The mix between tropical and aerated jets creates the effect of a dense rain which, descending, relieves and reduces muscular tension.		LED + NEBULIZED A mixture of different therapies and effects, the LED light optimizes and enriches the regenerating effects of nebulization.		LED + ATOMIZED The fusion of water particles and LED light heat enhances and intensifies the delicate touch of the atomized jet.




ACCESSORIES

ASTRALPOOL

			
Audio	Water aromatherapy	Air aromatherapy	Additional external thermostatic

CONTROLS

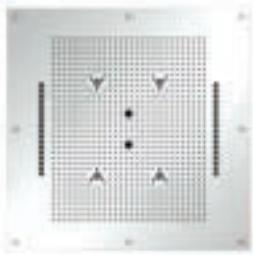
ASTRALPOOL

		
MANUAL Control (on/off) each shower jets through the keypad (as many buttons as types of jets).	SEQUENCE Activate the pre-programmed sequence of the different shower jets pressing only one button.	MULTI SEQUENCE (SENSE PRO MODEL ONLY) Activate the programmed sequence you want depending on your needs. Scheduled sequences: RELAX / BALANCE / SPORT / ENERGY

EMOTIONAL SHOWERS



SENSE PRO



RGB Lighting



- Square shower head for recessed installation 700x700 mm.
- Complete kit with control box for jets, lights, water temperature, and installation system. Includes built-in wall-mounted IP67 keypad in stainless steel with 4 buttons and 7-module flush mount box (type 506) with electronic control to manage 4 pre-configured programs: Relax, Energy, Balance, Sport. 12V load transformer.
- Materials: stainless steel plate with ultra-mirror finish, liquid silicone anti-lime membrane.
- Ceiling depth: 150 mm.
- Water supply 1/2" (inch)
- Operating pressure: 1.5 / 5 bar.

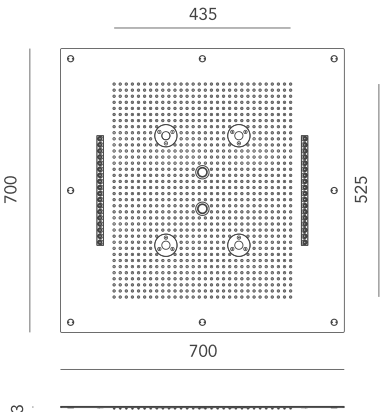
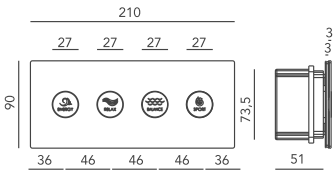
Code

Sense Pro

AF-FL001

TECHNICAL FEATURES

Code	Description	Lighting	Jets	Size (cm)	Control	Optionals
AF-FL001	SENSE PRO	RGB		70 x 70	4 preset programs	-



EMOTIONAL SHOWERS

ASTRALPOOL 

AQUA













- Square shower head for recessed installation 700x700 mm. 4 water patterns: 1 rain jet, 4 mist jets, 1 tropical jet, and 1 waterfall jet.
- Aqua sequence and Aqua: includes 6 LED lights with chromotherapy.
- Aqua White sequence White and Aqua White: includes 4 LED bench lights.
- Ultra-mirror stainless steel plate, liquid silicone anti-lime membrane.
- Ceiling depth: 100 mm.
- Water supply 1/2" (inch)
- Operating pressure: 1.5 / 5 bar.
- Recommended pressure: 3 bar.
- Complete kit with installation system.

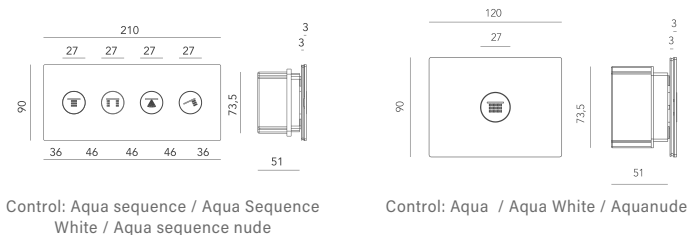
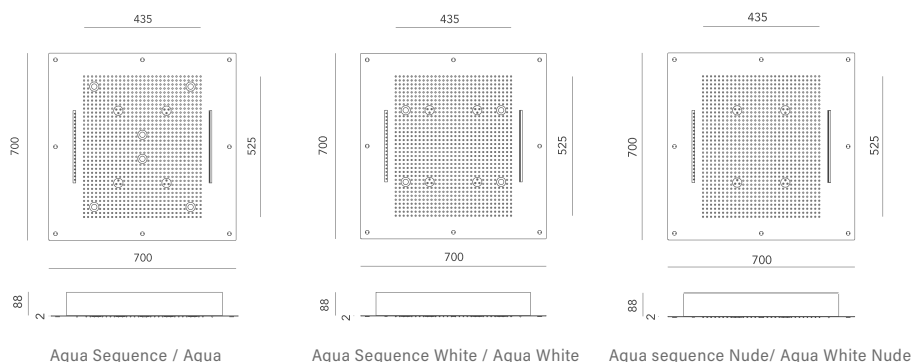
Aqua
RGB LightingAqua White
White LightingAqua Nude
No Lighting

Code

Aqua Sequence Shower	AF-FL002
Aqua Sequence White Shower	AF-FL003
Aqua Sequence Nude Shower	AF-FL004
Aqua Shower	AF-FL005
Aqua White Shower	AF-FL006
Aqua Nude Shower	AF-FL007

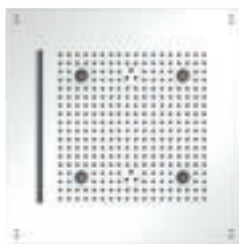
TECHNICAL FEATURES

Code	Description	Lighting	Jets	Size (cm)	Control	Optionals
AF-FL002	AQUA SEQUENCE	RGB	   	70 x 70	Sequence (1 button)	  
AF-FL003	AQUA SEQUENCE WHITE	WHITE				
AF-FL004	AQUA SEQUENCE NUDE	-				
AF-FL005	AQUA	RGB	   	70 x 70	Manual (4 buttons)	  
AF-FL006	AQUA WHITE	WHITE				
AF-FL007	AQUA NUDE	-				

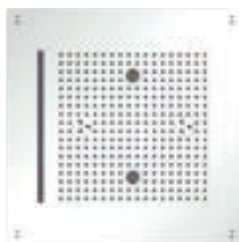


EMOTIONAL SHOWERS

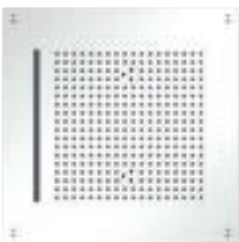
INFINITY



Infinity
RGB Lighting



Infinity White
White Lighting















Infinity Nude
No Lighting

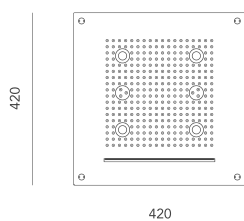
- Square shower head for recessed ceiling installation 420 x 420 mm. 3 water patterns: 1 rain jet, 2 mist jets and 1 waterfall jet.
- Infinity sequence and Infinity: includes 4 LED lights with chromotherapy.
- Infinity sequence White and Infinity White: includes 2 white LED lights.
- Ultra-mirror stainless steel plate, liquid silicone anti-lime membrane.
- Ceiling depth: 100 mm.
- Water supply: 1/2" (inch)
- Operating pressure: 1.5 / 5 bar.
- Recommended pressure: 3 bar.
- Complete kit with installation system.

Code

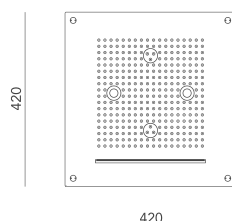
Infinity Sequence Shower	AF-FL008
Infinity Sequence White Shower	AF-FL009
Infinity Sequence Nude Shower	AF-FL010
Infinity Shower	AF-FL011
Infinity White Shower	AF-FL012
Infinity Nude Shower	AF-FL013

TECHNICAL FEATURES

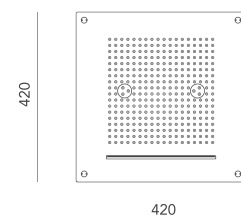
Code	Description	Lighting	Jets	Size (cm)	Control	Optionals
AF-FL008	INFINITY SEQUENCE	RGB	  	42 x 42	Sequence (1 button)	  
AF-FL009	INFINITY SEQUENCE WHITE	WHITE				
AF-FL010	INFINITY SEQUENCE NUDE	-				
AF-FL011	INFINITY	RGB	  	42 x 42	Manual (3 buttons)	  
AF-FL012	INFINITY WHITE	WHITE				
AF-FL013	INFINITY NUDE	-				



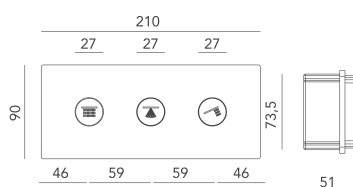
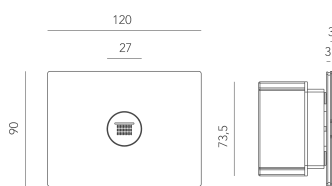
Infinity Sequence / Infinity



Infinity Sequence White / Infinity White



Infinity Sequence Nude / Infinity Nude

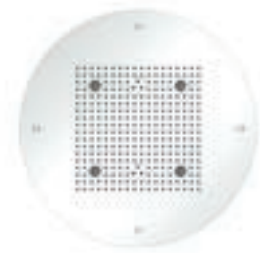
Control: Infinity Sequence / Infinity
Sequence White / Infinity Sequence Nude

Control: Infinity / Infinity White / Infinity nude

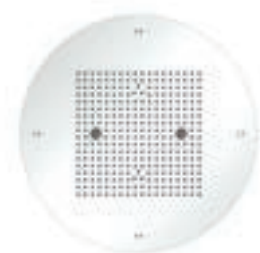
EMOTIONAL SHOWERS

VITA

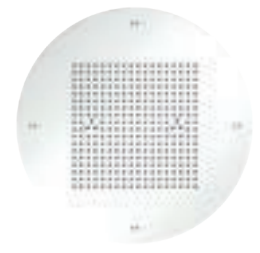
ASTRALPOOL



Vita
RGB Lighting



Vita
White Lighting








Vita
No Lighting

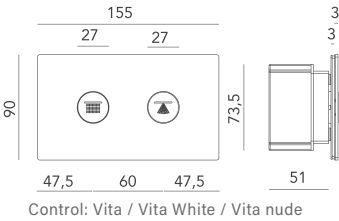
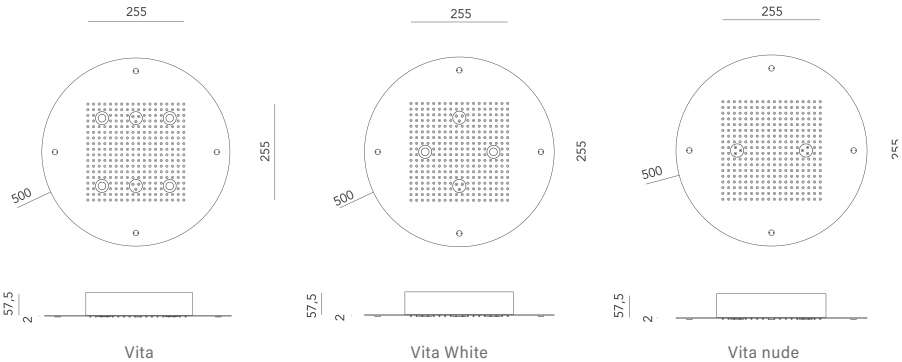
- Rounded shower head for recessed ceiling installation Ø500 mm. 2 water patterns: 1 rain jet and 2 mist jets.
- Infinity sequence and Infinity: includes 4 LED lights with chromotherapy.
- Infinity sequence White and Infinity White: includes 2 white LED lights.
- Ultra-mirror stainless steel plate, liquid silicone anti-lime membrane.
- Ceiling depth: 100 mm.
- Water supply: 1/2" (inch)
- Operating pressure: 1.5 / 5 bar.
- Recommended pressure: 3 bar.
- Complete kit with installation system.

Code

Vita Shower	AF-FL014
Vita White Shower	AF-FL015
Vita Nude Shower	AF-FL016

TECHNICAL FEATURES

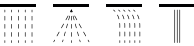


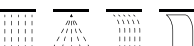







Code	Description	Lighting	Jets	Size (cm)	Control	Optionals
AF-FL014	VITA	RGB	 	Ø 50	Manual (2 buttons)	  
AF-FL015	VITA WHITE	WHITE				
AF-FL016	VITA NUDE	-				

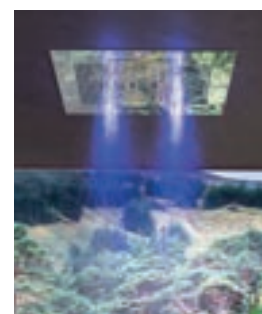
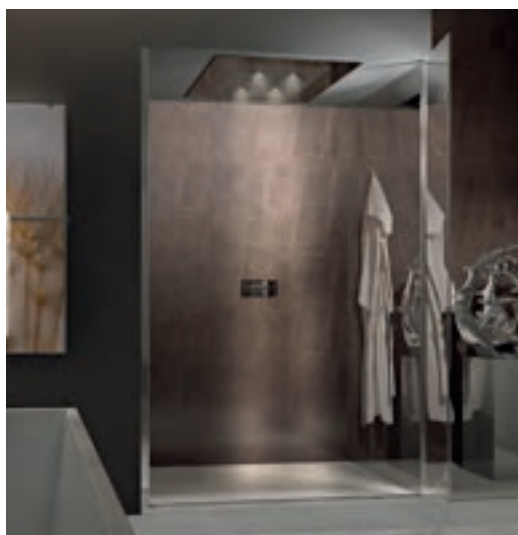


Control: Vita / Vita White / Vita nude

EMOTIONAL SHOWERS

SUMMARY TABLE

Code	Description	Lighting	Jets	Dimensions (cm)	Control	Accessories
AF-FL001	Sense Pro	RGB		70 x 70	4 Pre-set programs (Relax, Sport, Balance, Energy) (MULTISEQUENCE)	-
AF-FL002	Aqua Sequence	RGB		70 x 70	1 button to start the water sequence (SEQUENCE)	
AF-FL003	Aqua Sequence White	WHITE				
AF-FL004	Aqua Sequence Nude	-				
AF-FL005	Aqua	RGB		70 x 70	4 buttons. 1 to start each water effect. (MANUAL)	
AF-FL006	Aqua White	WHITE				
AF-FL007	Aqua Nude	-				
AF-FL008	Infinity Sequence	RGB		42 x 42	1 button to start the water sequence (SEQUENCE)	
AF-FL009	Infinity Sequence White	WHITE				
AF-FL010	Infinity Sequence Nude	-				
AF-FL011	Infinity	RGB		42 x 42	3 buttons. 1 to start each water effect. (MANUAL)	
AF-FL012	Infinity White	WHITE				
AF-FL013	Infinity Nude	-				
AF-FL014	Vita	RGB		Ø 50	2 buttons. 1 to start each water effect. (SEQUENCE)	
AF-FL015	Vita White	WHITE				
AF-FL016	Vita Nude	-				



EMOTIONAL TUNNELS

AQUA

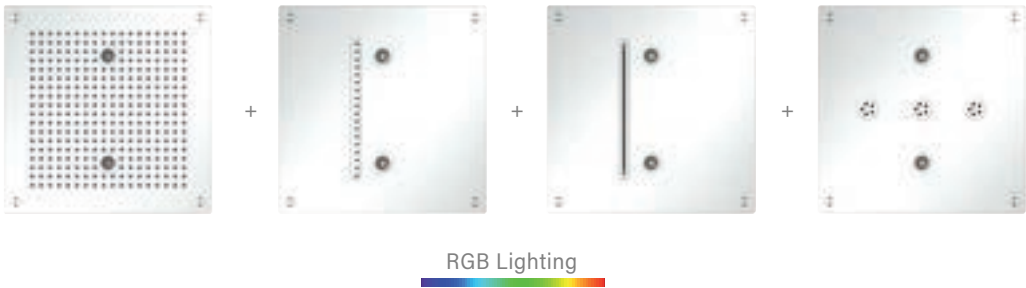










- Materials: Ultra-mirror stainless steel plate, liquid silicone anti-lime membrane.
- Ceiling depth: 100 mm.
- Water supply: 1/2" (inch)
- Operating pressure: 1.5 / 5 bar.
- Recommended pressure: 3 bar.
- The inverted path accessory (not included) makes it possible to run the sequence in reverse.

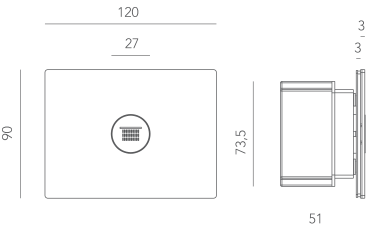
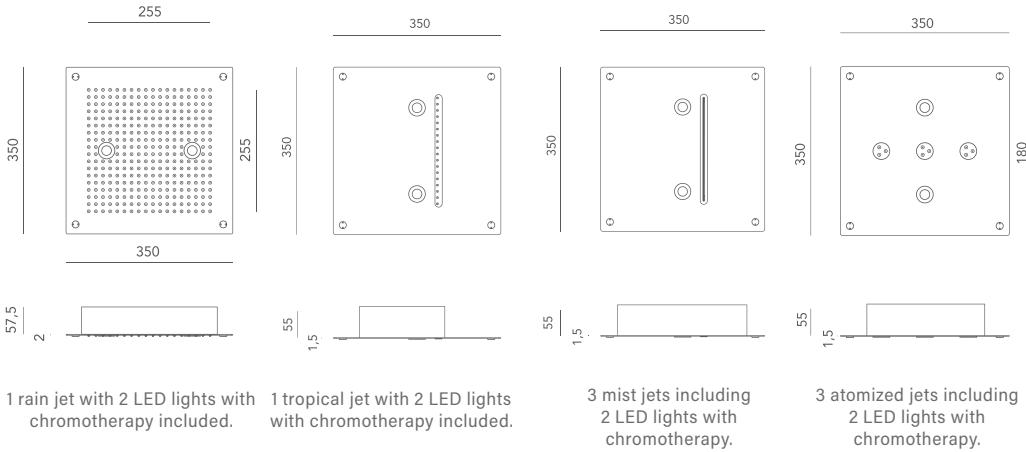
Code

Aqua

AF-FL033



TECHNICAL FEATURES						
Code	Description	Lighting	Jets	Size (cm)	Control	Optionals
AF-FL033	AQUA	RGB	   	35 x 35	1 button	   



Sequence activation with button.
(Optional: reverse path)

EMOTIONAL TUNNELS

INFINITY

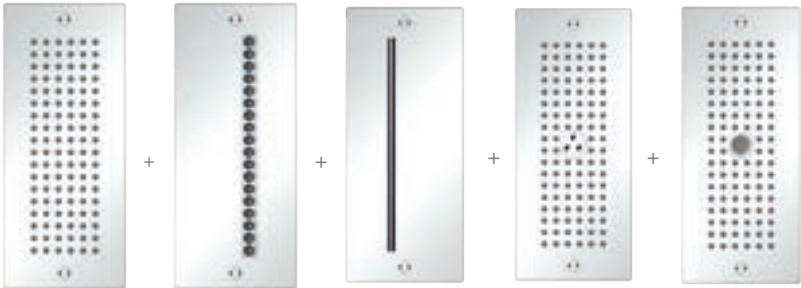


- Materials: Ultra-mirror stainless steel plate, liquid silicone anti-lime membrane.
- Ceiling depth: 100 mm.
- Water supply: 1/2" (inch)
- Operating pressure: 1.5 / 5 bar.
- Recommended pressure: 3 bar
- The inverted path accessory (not included) makes it possible to run the sequence in reverse.

Code

Infinity

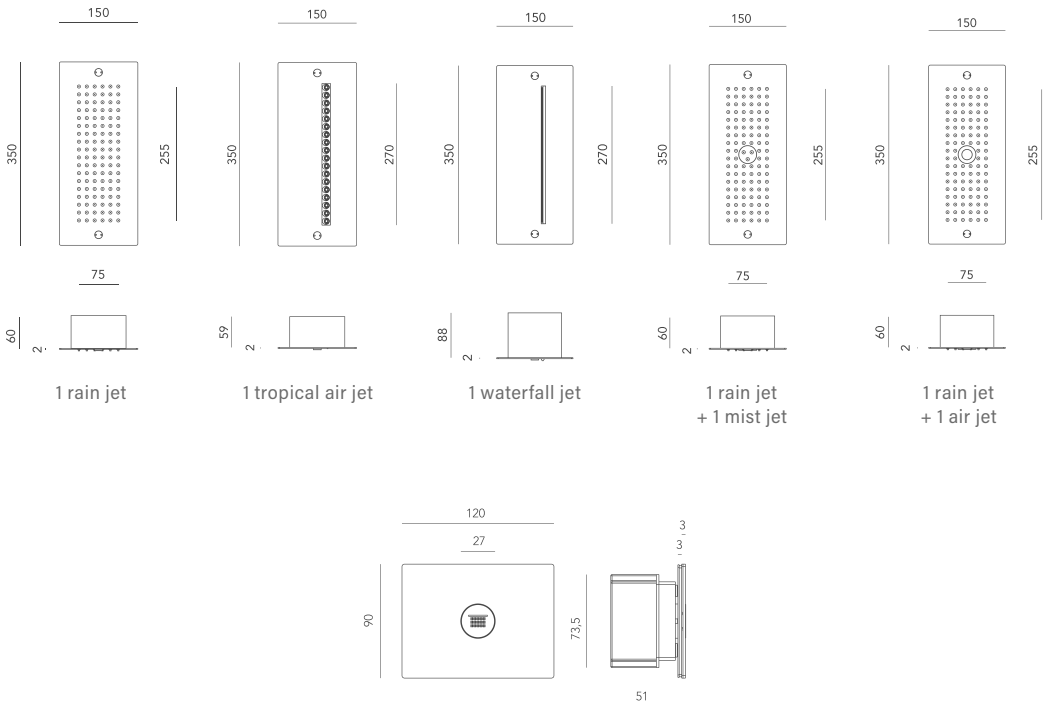
AF-FL034



No Lighting

TECHNICAL FEATURES

Code	Description	Lighting	Jets	Size (cm)	Control	Optionals
AF-FL034	INFINITY	NO		5 x 35 x 15	1 button	



Sequence activation with button.
(Optional: reverse path)

EMOTIONAL TUNNELS

VITA

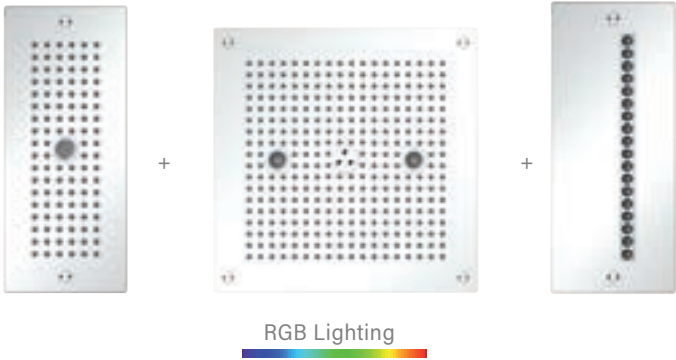


- Materials: Ultra-mirror stainless steel plate, liquid silicone anti-lime membrane.
- Ceiling depth: 100 mm.
- Water supply: 1/2" (inch)
- Operating pressure: 1.5 / 5 bar.
- Recommended pressure: 3 bar.
- The inverted path accessory (not included) makes it possible to run the sequence in reverse.

Code

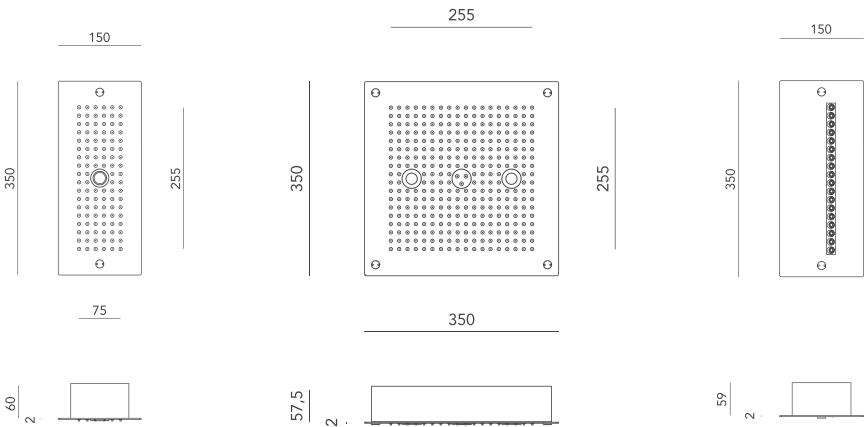
Vita

AF-FL035



TECHNICAL FEATURES

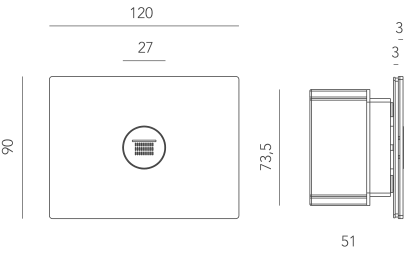
Code	Description	Lighting	Jets	Size (cm)	Control	Optionals
AF-FL035	VITA	RGB		2 x 35 x 15 1 x 35 x 35	1 button	



1 rain jet and 1 air jet

1 rain jet and 1 mist jet including 2 LED lights with chromotherapy.

1 rain jet



1 air tropical jet

CONTRAST SHOWERS



BUCKET



- Cube attached to the wall or ceiling.
- Capacity: 4.5 - 7.5 liters
- Size of upper diameter: 305 mm
- Height: 270mm
- Chain height: 630mm
- Pivot radius: 480mm
- Pipe connection: 1/2"

Code

Bucket Cube Shower 87038

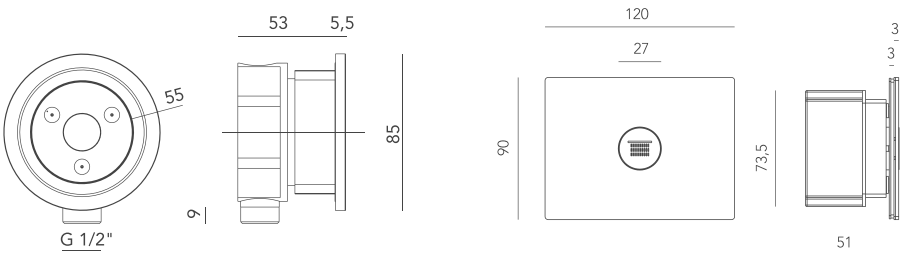
COLD



- Built-in round chrome bodyjet with sequential control, with nebulized jet. Includes RGB led for chromotherapy and control of temperature.
- Water supply connection: 1/2" inch
- Absorption 350 mA

Code

Cold - Contrast Shower AF-FL037



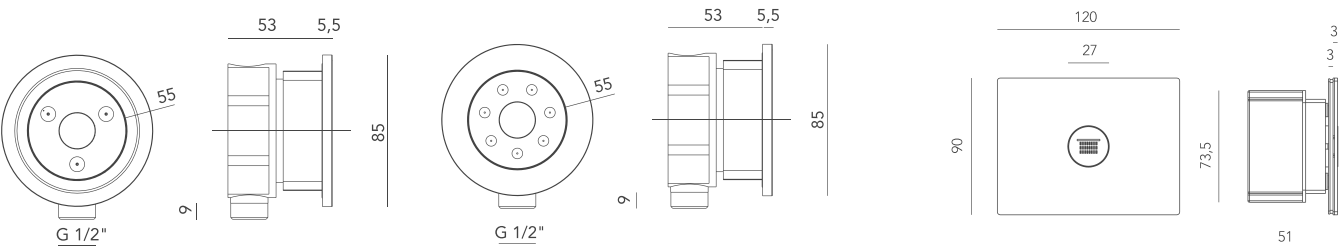
HOT & COLD



- Built-in round chrome bodyjet with sequential control, with nebulized and atomized jet. Includes RGB led for chromotherapy and control of temperature.
- Water supply connection: 1/2" inch
- Absorption 350 mA

Code

Hot & Cold - Contrast Shower AF-FL038



HORIZONTAL SHOWERS

HORIZONTAL SHOWER



Horizontal shower and massage, in mirror-finish stainless steel, for mounting on the ceiling, with electronic water mixer, chromotherapy and touch control panel to manage 4 pre-configured programs (sport, energy, relaxation, balance) or manual start.

Hydraulic characteristics:

- Water supply works with hot and cold water.
- Pressure 2 ÷ 5 bar.
- Recommended pressure 3 bar.
- For pressures higher than 5 bar, we suggest installing a pressure reducer.
- Cold water temperature 10 ° ÷ 15 ° C
- Hot water temperature 55 ° ÷ 65 ° C
- Optimum hot water flow 15 l / m.

NB:

- A drainage of water in the ground is necessary to release the flow of water.
- It is suggested to install a water softener for water with hardness higher than 15/18 degrees F°

Electrical characteristics:

- Electrical supply 100-240V - 50 ÷ 60Hz
- 12V operation control panel.
- Maximum absorption 100W
- We suggest installing a dedicated RCCB.

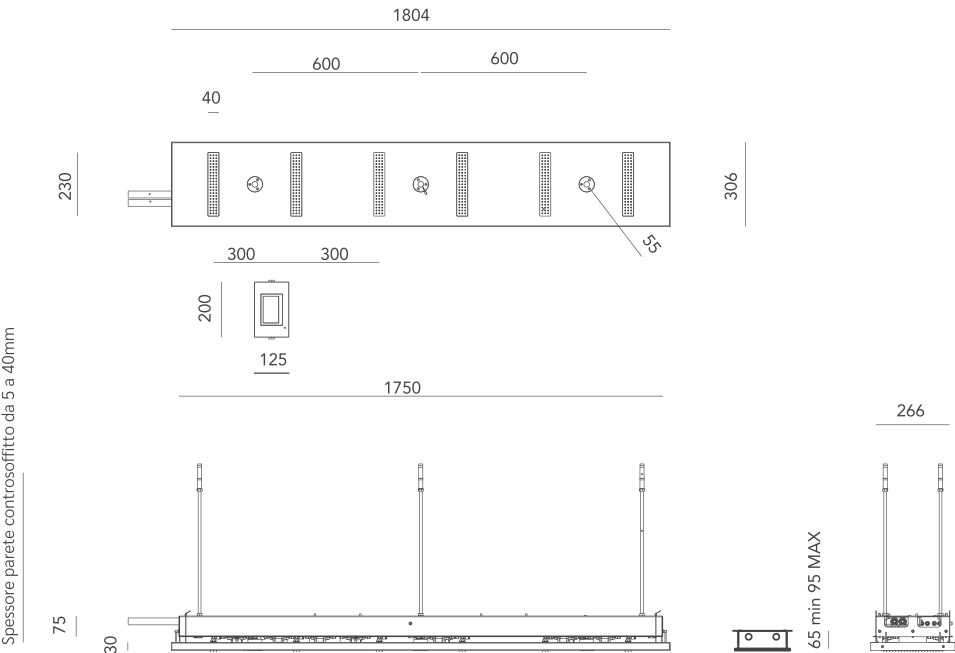
Code

Horizontal Shower

AF-FL036

TECHNICAL FEATURES

Code	Description	Lighting	Jets
AF-FL036	Horizontal Shower	RGB	



3 METERS KNEIPP



- 8 bodyjets (4 nebulized + 4 atomized) built in chrome plated brass with sequence control.
- Led RGB for chromotherapy and manual temperature control is included.
- Water supply connection: 1/2" inch
- Absorption 350 mA

Code

3 meters Kneipp

AF-FL039



5 METERS KNEIPP

- 16 bodyjets (8 nebulized + 8 atomized) built in chrome plated brass with sequence control.
- Led RGB for chromotherapy and manual temperature control is included.
- Water supply connection: 1/2" inch
- Absorption 350 mA

Code

5 meters Kneipp

AF-FL040

9 METERS KNEIPP

- 32 bodyjets (16 nebulized + 16 atomized) built in chrome plated brass with sequence control.
- Led RGB for chromotherapy and manual temperature control is included.
- Water supply connection: 1/2" inch
- Absorption 350 mA

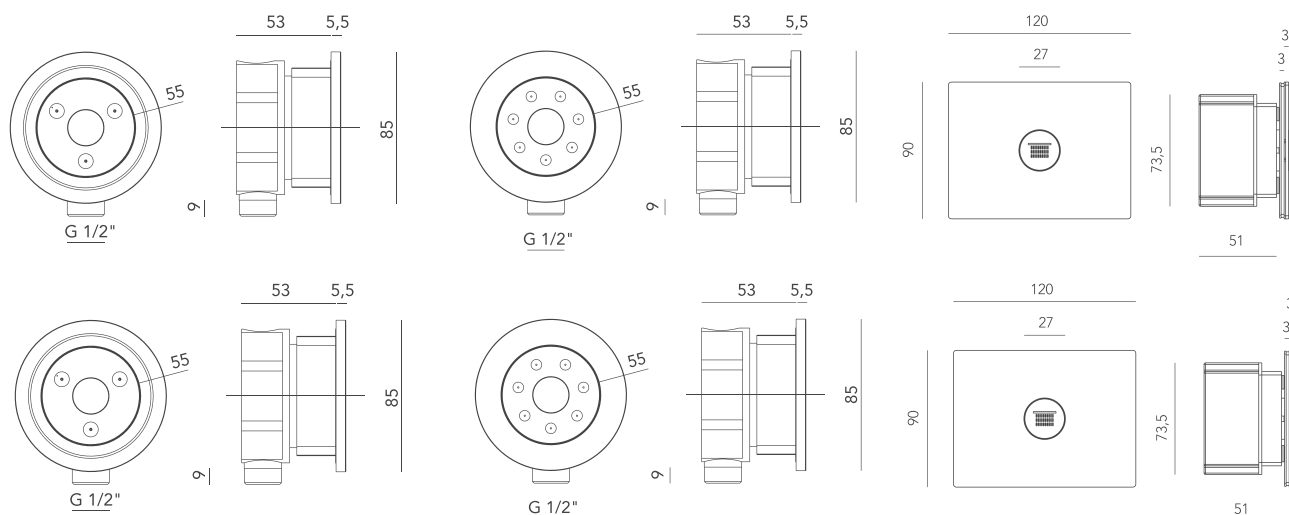
Code

5 meters Kneipp

AF-FL041

TECHNICAL FEATURES

Code	Description	Lighting	Jets	Optionals
AF-FL039	3 Meters Kneipp	RGB		
AF-FL040	5 Meters Kneipp	RGB		
AF-FL041	9 Meters Kneipp	RGB		



MINI CONTRAST POOLS

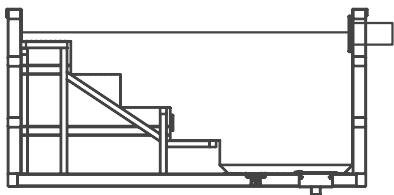
- + In the late 5th century B.C., following the example of the Greeks, the popular Roman baths incorporated cold rooms called "Frigidariums", where bathers would finish their circuit after passing through hot rooms like the steam room or the hot pool.
- + We preserve these rituals of old, fully confident in the health benefits that contrast therapy has on the body.
- + Not only is it good for the skin, but it also increases metabolism, blood flow, and stimulates the widening and narrowing of the blood vessels.



MINI CONTRAST POOLS

The mini contrast pools has health benefits for the body, not only is it good for the skin, but it also increases metabolism, blood flow, and stimulates the widening and narrowing of the blood vessels. Up to 2 minutes of use recommended.

ONE



TECHNICAL FEATURES

Dimensions in cm (± 1cm)	218 x 098 x 108
--------------------------	-----------------

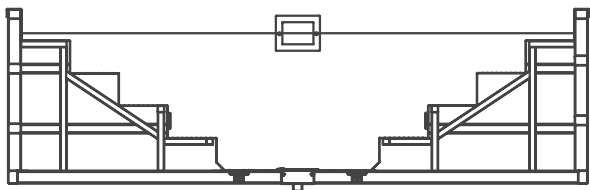
One is crafted from a single piece of AISI-316L 2-mm-thick satin-finish stainless steel . Elegant and robust design, careful finishes, and first-class materials make ONE a perfect choice for any "Frigidarium".

Code

Cold Plunge One Mini Contrast Pool

71482

TWO



TECHNICAL FEATURES

Dimensions in cm (± 1cm)	358 x 098 x 108
--------------------------	-----------------

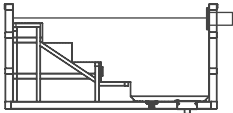
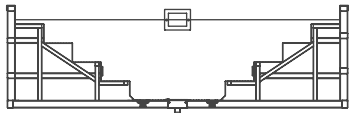
Two is crafted from a single piece of AISI-316L 2-mm-thick satin-finish stainless steel. Elegant and robust design, careful finishes, and first-class materials. It includes an entrance staircase and an exit staircase that facilitate the flow of people through the space.

Code

Cold Plunge Two Mini Contrast Pool

71483

MINI CONTRAST POOLS

MODELS		
	Cold Plunge One	Cold Plunge Two
	71482	71483
GENERAL SPECIFICATIONS		
Internal dimensions	2.00 x 0.80 x 0.85 m	3.40 x 0.80 x 0.85 m
External dimensions	2.18 x 0.98 x 1.08 m	3.58 x 0.98 x 1.08 m
Positions (seats / loungers)	-	-
Water capacity	0.90 m ³	1.33 m ³
Empty weight / Full weight	300 / 1200 kg	400 / 1730 kg
CHARACTERISTICS		
No of jets	-	-
No of air nozzles	-	-
Overflow / Skimmer	Skimmer	Skimmer
Overflow aspiration	-	-
Return inlet	1	2
Bottom cleaner nozzles	1	1
Main Drain	1	1
Headrests	-	-
LED lights	1	2
Piezoelectric press buttons	No	No
OPTIONS (NOT INCLUDED)		
Stainless steel Overflow grill	No	No
Wood Overflow grill	No	No
Cover	No	No
RECOMMENDED EXT. EQUIPMENT		
Compact filtration kit	No	No
Balance tank	No	No

VITALITY POOLS

- + Opulence and elegance.
- + AstralPool's Vitality swimming pools are crafted in a single piece of satin-finish stainless steel with a non-slip bottom.
- + Ready to connect, minimizes installation times and eliminates construction work.



VITALITY POOLS

Opulence and elegance. AstralPool's Vitality swimming pools are crafted in a single piece of satin-finish stainless steel with a non-slip bottom. Ready to connect, minimizes installation times and eliminates construction work.

OPTIMAL / WELLNESS / COMFORT / SPORT

ASTRALPOOL

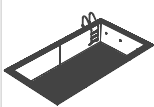
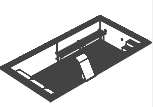
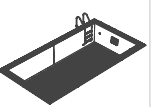
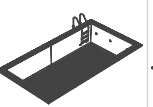
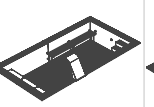


Code

**5 x 2.85 m**

Optimal	71501
Wellness	71502
Sport	71503

7 x 2.85 m

Optimal	71507
Wellness	71508
Comfort	71509
Sport	71510

MODELS							
	Optimal	Wellness	Sport	Optimal	Wellness	Comfort	Sport
	71501	71502	71503	71507	71508	71509	71510

GENERAL SPECIFICATIONS

Internal dimensions	5 x 2.85 x 1.2 m			7 x 2.85 x 1.2 m			
External dimensions	5.7 x 3.6 x 1.3 m			7.7 x 3.6 x 1.3 m			
Water capacity	18 m³			24 m³			
Empty weight / Full weight	2300 - 20300 kg	2550 - 20550 kg	2300 - 20300 kg	2300 - 20300 kg	3100 - 27100 kg	3300 - 27300 kg	2550 - 26550 kg

CHARACTERISTICS

Skimmers	-	-	-	-	-	-	-
Overflow suction	2	2	2	2	2	2	2
Return inlet	3	4	3	3	4	4	3
Bottom cleaner nozzles	1	1	1	1	1	1	1
Main Drain	2	2	2	2	2	2	2
Projectors	2	2	2	2	2	2	2

ACCESSORIES

Ladder (3 steps)	✓	-	✓	✓	-	-	✓
Steps	-	✓	-	-	✓	✓	-
Hydromassage bench	-	✓	-	-	✓	✓	-
Hydromassage cascade	-	✓	-	-	✓	✓	-
Hydromassage water jet	-	✓	-	-	✓	✓	-
Hydromassage beds	-	-	-	-	-	✓	-
Countercurrent equipment	-	-	✓	-	-	-	✓
Cover	-	✓	-	-	✓	✓	-

RECOMMENDED EXT. EQUIPMENT

Hydraulic button and timer	-	45218 + 35761	-	-	45218 + 35761	45218 + 35761	-
Blower pump for hydro beds	-	-	-	-	-	31091	-
Blower pump for hydro bench	-	35388	-	-	35388	35388	-
Filtration equipment	27804						

OPTIMAL / WELLNESS / COMFORT / SPORT

Code









8.84 x 2.85 m

Optimal	71514
Wellness	71515
Comfort	71516
Sport	71517

11.84 x 2.85 m

Optimal	71521
Wellness	71522
Comfort	71523
Sport	71524



MODELS								
	Optimal	Wellness	Comfort	Sport	Optimal	Wellness	Comfort	Sport
	71514	71515	71516	71517	71521	71522	71523	71524

GENERAL SPECIFICATIONS

Internal dimensions	8.84 x 2.85 x 1.2 m				11.84 x 2.85 x 1.2 m			
External dimensions	9.6 x 3.6 x 1.3 m				12.6 x 3.6 x 1.3 m			
Water capacity	31 m ³				41 m ³			
Empty weight / Full weight	3050 - 34050 kg	3500 - 34500 kg	3700 - 34700 kg	3050 - 34050 kg	3850 - 44850 kg	4350 - 45350 kg	4500 - 45500 kg	3850 - 44850 kg

CHARACTERISTICS

Skimmers	-	-	-	-	-	-	-	-
Overflow suction	3	3	3	3	4	4	4	4
Return inlet	4	5	5	4	5	6	6	5
Bottom cleaner nozzles	1	1	1	1	2	2	2	2
Main Drain	2	2	2	2	2	2	2	2
Projectors	2	2	2	2	3	3	3	3

ACCESSORIES

Ladder (3 steps)	✓	-	-	✓	✓	-	-	✓
Steps	-	✓	✓	-	-	✓	✓	-
Hydromassage bench	-	✓	✓	-	-	✓	✓	-
Hydromassage cascade	-	✓	✓	-	-	✓	✓	-
Hydromassage water jet	-	✓	✓	-	-	✓	✓	-
Hydromassage beds	-	-	✓	-	-	-	✓	-
Countercurrent equipment	-	-	-	✓	-	-	-	✓
Cover	-	✓	✓	-	-	✓	✓	-

RECOMMENDED EXT. EQUIPMENT

Hydraulic button and timer	-	45218 + 35761	45218 + 35761	-	-	45218 + 35761	45218 + 35761	-
Blower pump for hydro beds	-	-	31091	-	-	-	31091	-
Blower pump for hydro bench	-	35388	35388	-	-	35388	35388	-
Filtration equipment	23349				23350			

VITALITY POOLS

PISCINE
LAGHETTO®

PLAYA / PLAYA LIVING

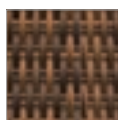
Playa is an elegant mini-pool created from great Italian design. Its soft hydromassage, hot water and its pleasant hand-woven fibers invite you to relax in a deep well-being both indoors and outdoors.

Playa Living, the evolution of the Playa model, incorporates soft cushions and sofas. This mini-pool transforms your space into a complete oasis of relaxation adding an elegant touch of sophistication.

TECHNICAL FEATURES

Code	Model	Total Dimensions (W x L x H) cm	Water Dimensions (W x L x H) cm	Volume (L)	Panel Color	Ref. Lagetto
67338	Playa 1 / Standard	220x220x70	180x140x55	1200	Coffee	KITDVPLA1BICF1G
67339					White	KITDVPLA1BIBI1G
69349					Grey	KITDVPLA1BIGR1G
67340	Playa 2 / Standard	320x220x70	180x240x55	2000	Coffee	KITDVPLA2BICF1G
67341					White	KITDVPLA2BIBI1G
69351					Grey	KITDVPLA2BIGR1G
69355	Playa 3 / Standard	420x220x70	180x340x55	3000	Coffee	KITDVPLA3BICF1G
69356					White	KITDVPLA3BIBI1G
69358					Grey	KITDVPLA3BIGR1G
67342	Playa 1 / Bubbles & Heater	220x220x70	180x140x55	1200	Coffee	KITDVPLARB1BICF1G
67343					White	KITDVPLARB1BIBI1G
69352					Grey	KITDVPLARB1BIGR1G
67344	Playa 2 / Bubbles & Heater	320x220x70	180x240x55	2000	Coffee	KITDVPLARB2BICF1G
67345					White	KITDVPLARB2BIBI1G
69354					Grey	KITDVPLARB2BIGR1G
69361	Playa 3 / Bubbles & Heater	420x220x70	180x340x55	3000	Coffee	KITDVPLARB3BICF1G
69363					White	KITDVPLARB3BIBI1G
69364					Grey	KITDVPLARB3BIGR1G

Panels



COFFEE



WHITE



GREY

Upholstery (Living Option)



NATURAL-N



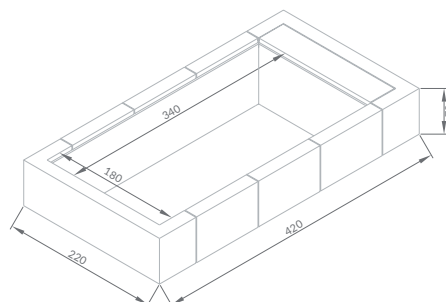
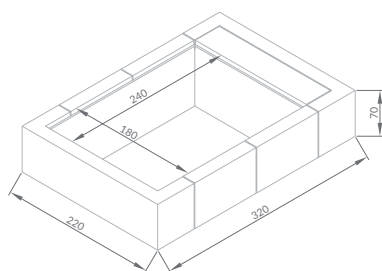
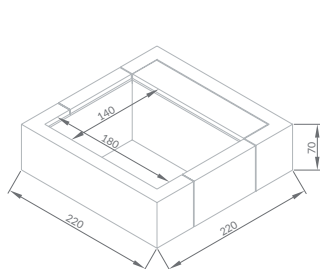
WATER-W



BROWN-B



GREY-G



HYDRO LEISURE ELEMENTS

- + There are many variations of hydrotherapy, with spa water elements providing remarkable benefits that both relax and stimulate the nervous system.
- + AstralPool's range of hydrotherapy products, made of stainless steel, includes both outdoor pool elements and indoor sets. The clean, elegant design is paired with the finest finishes.
- + It releases the body's tension in a massage circuit using pressurized water.



HYDRO LEISURE ELEMENTS



POOL SURROUND CASCADE



A cascade for the pool surround designed to create an intense yet deeply relaxing curtain of water. This accessory is made from mirror-polished AISI 316 stainless steel and has to be ordered with the anchor plate for secure installation.

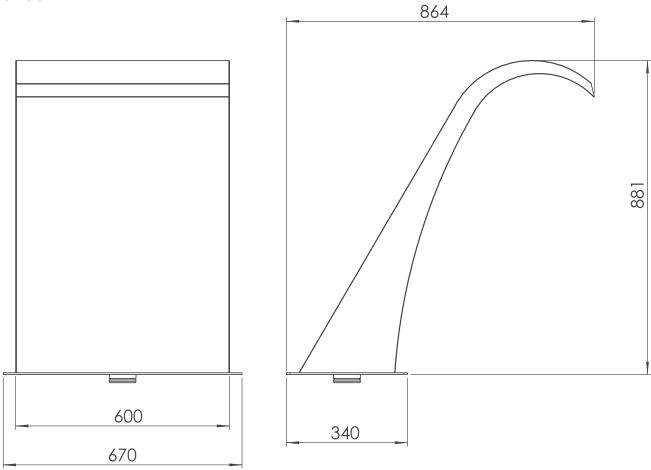
	Code
Pool Surround Cascade	34032
Anchoring Plate	34033

Complementary accessories

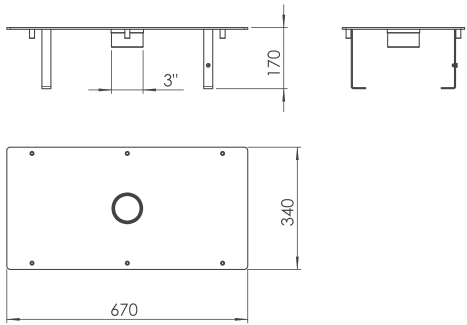
Recommended pump*	65570
Suction concrete	30765
Suction liner	45210
Push button and timer	45219+35761

* For a total water pressure head loss of 10 m.w.c.

34032



34033



HYDRO LEISURE ELEMENTS



POOL SURROUND WATER JET



Water jet for pool surround, featuring swan-neck shaped cylindrical section, providing a high-pressure jet of water for a relaxing cervical massage. This accessory is made from polished AISI -316 stainless steel and has to be ordered with the anchor plate for secure installation.

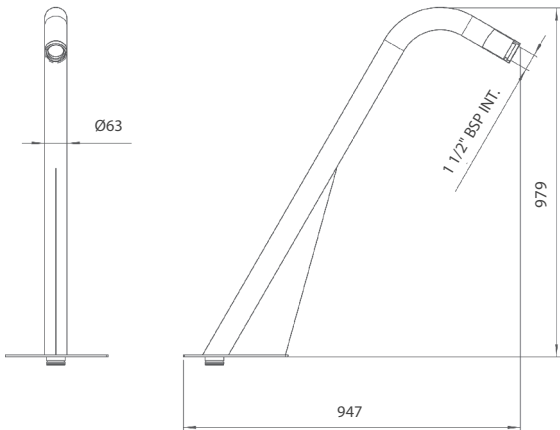
	Code
Pool Surround Water Jet	34039
Anchoring Plate	34040
Uniform pressure nozzle	34041
Double pressure nozzle	34042
Diffuser spray nozzle	34043
Fan spray nozzle	34044

Complementary accessories

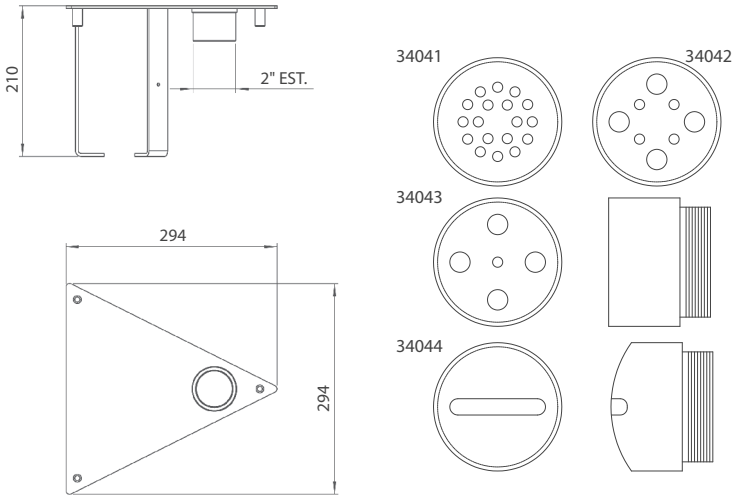
Recommended pump*	65570
Suction concrete	30765
Suction liner	45210
Push button and timer	45219+35761

* For a total water pressure head loss of 14 m.w.c.

34039



34040



HYDRO LEISURE ELEMENTS

ASTRALPOOL 

WALL-MOUNTED WATER JET



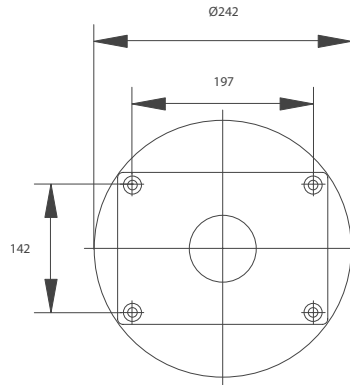
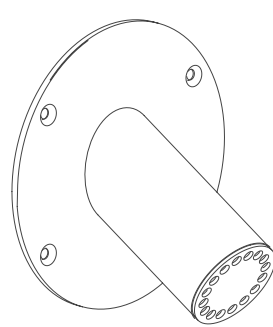
Wall-mounted water jet with cylindrical cross-section. Designed to produce multiple high-pressure water jets for a back and shoulder massage of medium intensity, depending on model. This accessory is manufactured from polished AISI-316 stainless steel. Anchor system for wall mounting.

Code

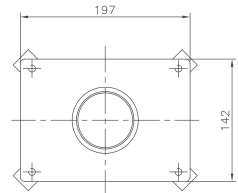
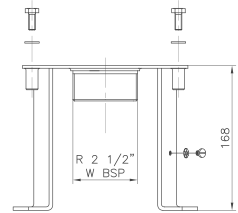
Wall-mounted circular water jet Ø84
Rectangular concrete pool anchor

34464
19983

34464



19983



CERVICAL MASSAGE JET

ASTRALPOOL 

The Astralpool's Neck massage has 6 jets oriented with focus on the cervical area. Its medium massage intensity allows its use for a long time. Ideal to install on the seating area. It is an element made of polished stainless steel AISI-316.

Code

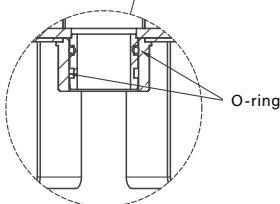
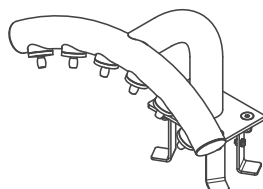
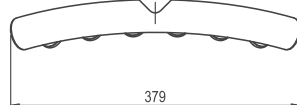
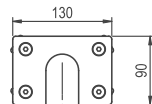
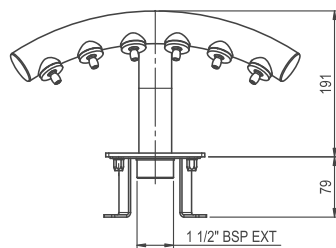
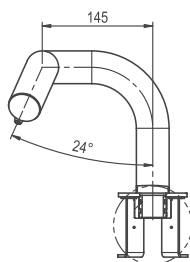
Cervical Massage Jet

60792

Complementary accessories

Recommended pump*	65558
Suction concrete	19987
Suction liner	20091
Push button and timer	45219+35761

* For a total water pressure head loss of 8 m.w.c.



DETAIL A
SCALE 1:2

MASSAGE NOZZLES

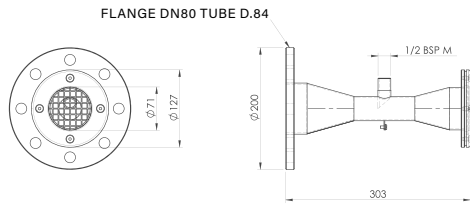


Set comprising three massage effect nozzles, using a combination of water and air to stimulate calves, thighs and hips. These are hung in a vertical arrangement on the wall of the pool, at a height of 30, 60 and 90 cm from the pool bottom. The set is completed with a polished rounded stainless steel handrail which can either be attached to the pool surround or the wall of the pool itself. This handrail serves two functions -it gives pool users something to hold onto whilst allowing air to enter through holes situated along its length which is then directed to the nozzle by the so-called Venturi effect.

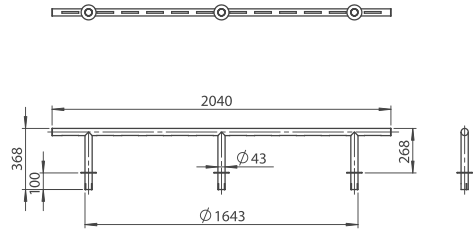
	Code
3 Massage Nozzle Kit for Concrete	43049
Handrail for massage nozzle set	34050
Complementary accessories	
Water feature concrete	34049 + 34050
Water feature liner	40981 + 34050
Recommended pump*	08003
Suction concrete	35368
Push button and timer	45219+35761-

* For a total water pressure head loss of 10 m.w.c.

34049



34050



HYDRO LEISURE ELEMENTS

ASTRALPOOL 

HYDROMASSAGE JET

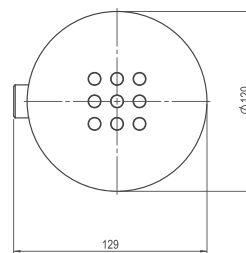
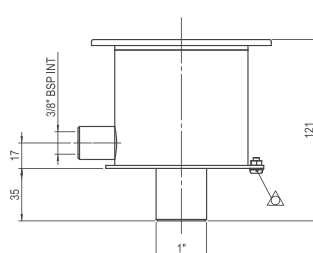
Hydromassage jet system, specifically designed to be situated in areas where there are benches, water channels etc. Wherever an intense, localized massage is required. The acceleration of the water jet resulting from the Venturi effect creates hundreds of thousands of tiny air bubbles which further intensify the massage effect. This accessory is 100% mirror-polished AISI-316 stainless steel with interchangeable nozzles.

Code

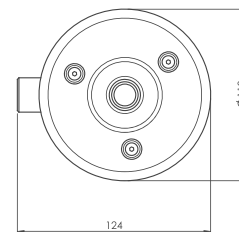
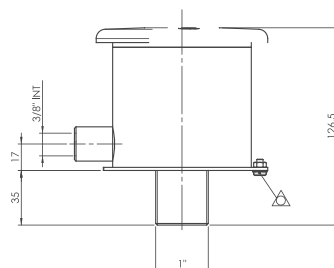
9 Nozzle Trim and Jet Set Concrete
Ball jet trim set concrete

35753
35754

35753



35754

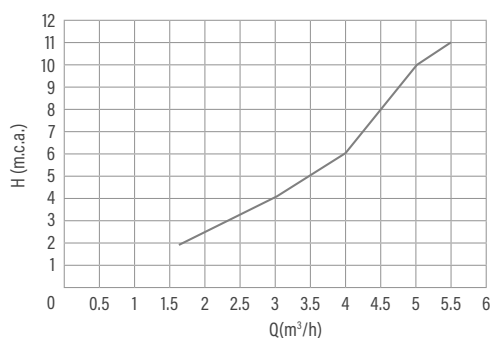
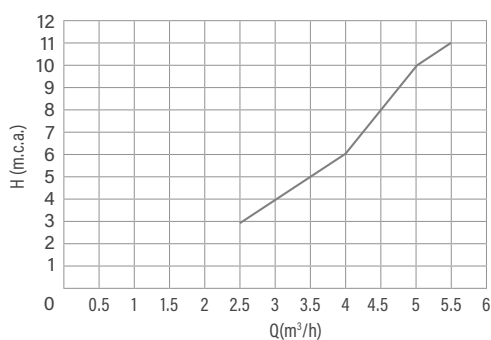


TECHNICAL FEATURES 35753

Pressure (m.c.a.)	Water flow (m³/h)	Observation
1	1	
2	1.6	
3	2.5	Effect start
4	3	
5	3.5	Recommended water flow
6	4	
7	4.25	
8	4.5	
9	4.75	
10	5	
11	5.5	

TECHNICAL FEATURES 35754

Pressure (m.c.a.)	Water flow (m³/h)	Observation
1	0.75	
2	1.6	
3	2.5	Effect start
4	3	
5	3.5	Recommended water flow
6	4	
7	4.25	
8	4.5	
9	4.75	
10	5	
11	5.5	





HYDROMASSAGE MINI JET

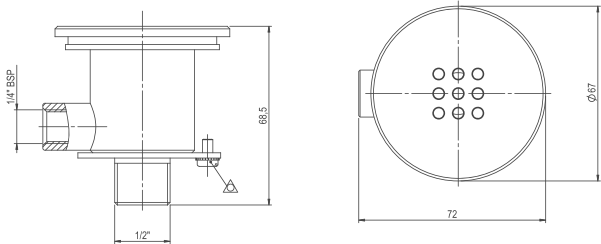
Hydromassage jet system, specifically designed to be situated in areas where there are benches, water channels etc. Wherever an intense, localized massage is required. The acceleration of the water jet resulting from the Venturi effect creates hundreds of thousands of tiny air bubbles which further intensify the massage effect.

Code

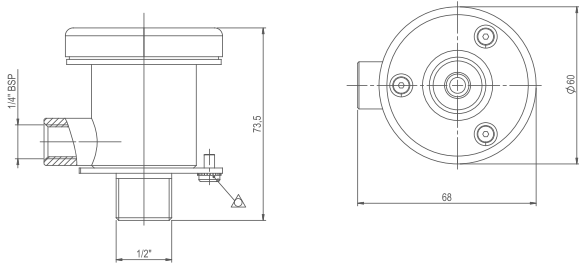
9 Nozzle Trim and Minijet Set
Ball minijet trim set

41282
41283

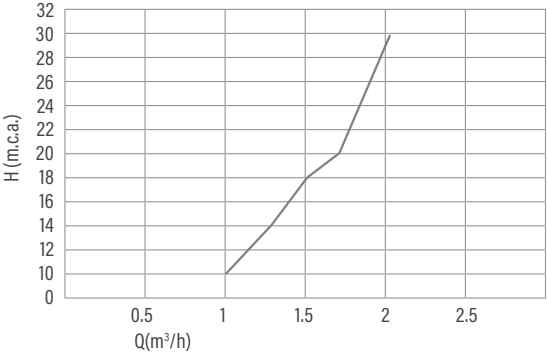
41282



41283



TECHNICAL FEATURES		
Pressure (m.c.a.)	Water flow (m³/h)	Observation
10	1	
12	1.2	
14	1.3	
16	1.4	
18	1.5	
20	1.6	
22	1.65	
24	1.7	
26	1.8	
28	1.9	
30	2	

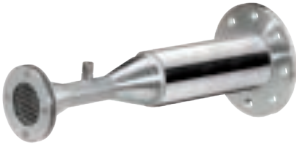


HYDRO LEISURE ELEMENTS

DYNAMIC HYDRO-CHANNEL JET

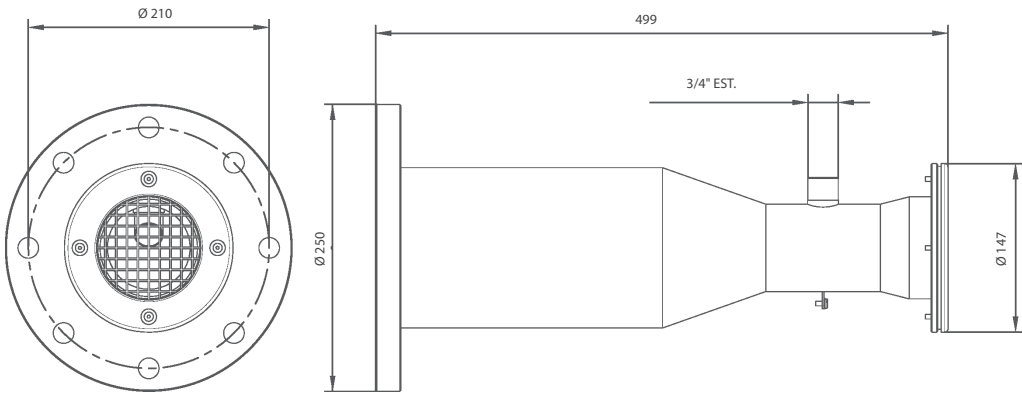


Comprised of a set of water jet nozzles in mirror-polished stainless steel which, when situated and directed correctly, provide a flow of water using recycled pool water. Creates water currents of varying strengths.



	Code
Dynamic Hydro-Channel Jet Concrete	34055
Complementary accessories	
Water feature concrete	34055
Recommended pump*	08003
Suction concrete	30765
Suction liner	45210
Push button and timer	45219+35761

* For a total water pressure head loss of 10 m.w.c.



HYDRO LEISURE ELEMENTS

POOL FLOOR MASSAGE GRILLS

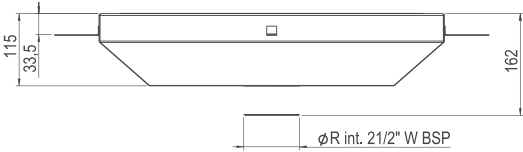


Pool floor massage effect air bubble generator. Cylindrical polished stainless steel accessory to be installed in pool floors, specially prepared for concrete pools. Available for liner installation on request.

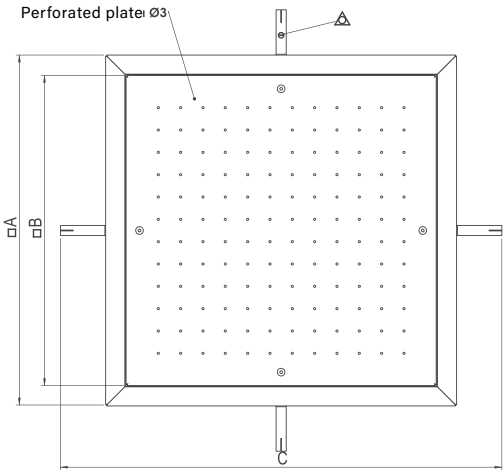
	Code
Hydromassage grill Ø300 mm concrete	35078
Hydromassage grill 300 x 300 mm concrete	35077
Hydromassage grill 500 x 500 mm concrete	35074
Hydromassage grill 675 x 675 mm concrete	35075
Hydromassage grill 750 x 750 mm concrete	35076

Water feature concrete	Recomended air blower*	Push button and timer
35078	35388	45219 + 35761
35077	35388	45219 + 35761
35074	31091	45219 + 35761
35075	31091	45219 + 35761
35076	31091	45219 + 35761

* For a total water pressure head loss of 120 mbar.



Code	A	B	C
35074	550	490	692
35075	675	615	830
35076	750	690	905
35077	300	240	455



HYDRO LEISURE ELEMENTS

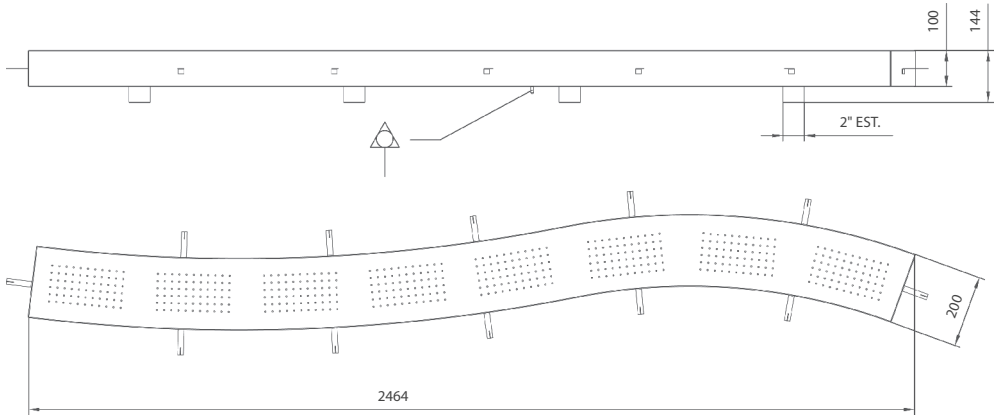
BUBBLE SNAKE



Elongated pool floor massage effect air bubble generator. The casing is made from polished stainless steel in the form of a long snake, to be installed in pool floors. The steel sheeting has holes along its length to allow the bubble to escape and create the desired effect.

	Code
Bubble snake for concrete	34048
Complementary accessories	
Water feature concrete	34048
Water feature liner	40980
Recomended air blower*	31092
Push button and timer	45219+35761

* For a total water pressure head loss of 120 mbar.



HYDRO LEISURE ELEMENTS



HYDROMASSAGE BENCH



Elongated massage effect air bubble generator for pool floor and/or bench for feet and buttocks. Polished AISI 316 rectangular or semi-circular stainless steel casing accessory for mounting on pool bottoms or benches. The steel sheeting has holes along its length to allow the bubble to escape and create the desired effect.

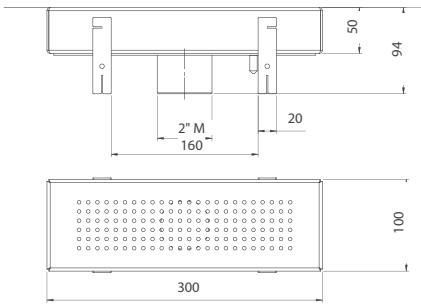
Code

300 mm Model for Concrete	60714
300 mm Model Liner	60746
600 mm Model for concrete	34051
1200 mm Model for concrete	34052

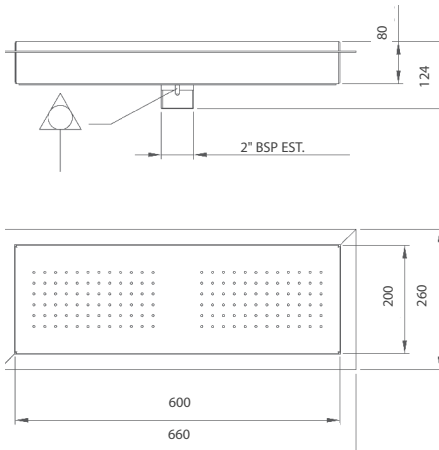
Water feature concrete	Water feature liner	Recomended air blower*	Push button and timer
34051	Request	35387	45219 + 35761
34052	Request	31091	45219 + 35761
60714	60746	35388	45219 + 35761

* For a total water pressure head loss of 100 mbar.

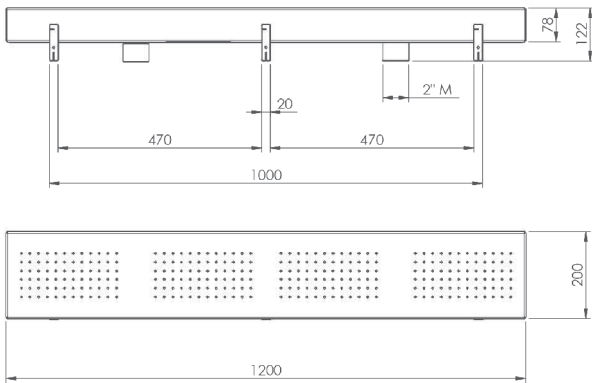
60714 68746



34051



34052



HYDRO LEISURE ELEMENTS

AIR BEDS



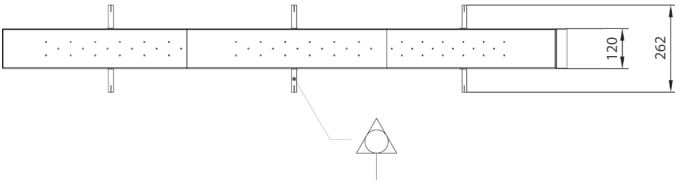
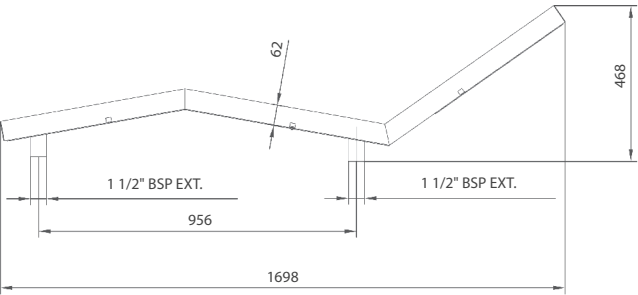
Ergonomically designed massage accessory with air jets in the back, lumbar and leg regions. The bed is comprised of stainless steel casing with air holes situated in the key massage areas. The range includes both a single and double model.

	Code
Single model for concrete	35249
Double model concrete	35250
Double model liner	41159

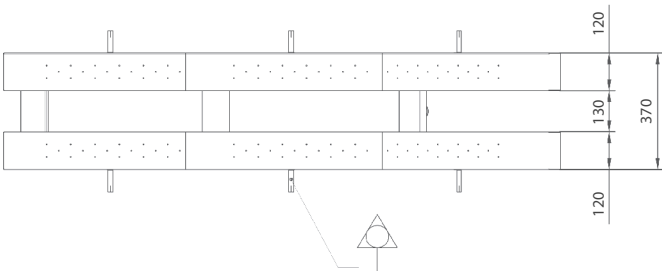
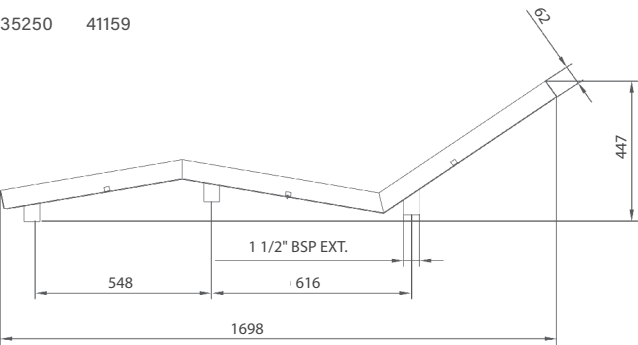
Water feature concrete	Water feature liner	Recommended air blower*	Push button and timer
35249		35388	45219 + 35761
35250	41159	31091	45219 + 35761

* For a total water pressure head loss of 100 mbar.

35249



35250 41159



HYDROMASSAGE LOUNGER



Manufactured in AISI-316 stainless steel and ergonomically designed to provide maximum comfort. The system is based on air which is injected through the base of the lounger, providing a muscle-relaxing massage. Available in two versions: embedded or installed with column.

Code

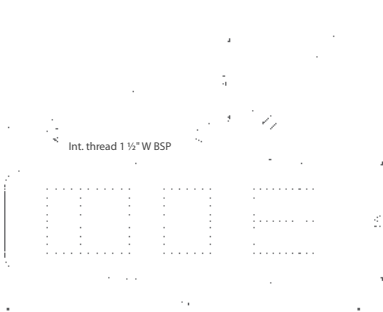
1700 mm Embedded Lounger	31998
1700 mm Embedded Column Lounger	31996
1450 mm Embedded Column Lounger	32070
500 mm Column for lounger	31997L0500
Rectangular anchor for concrete pool	19983
Rectangular anchor for prefabricated pool	15833

Water feature concrete	Water feature liner	Recomended air blower*	Push button and timer
31998		31091	45219 + 35761
32071	41159	31091	45219 + 35761

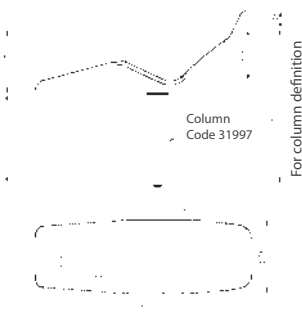
Lounger	Column	Concrete anchoring	Liner anchoring	Recomended air blower*	Push button and timer
31996	31997	19983	15833	31091	45217 + 35761

* For a total water pressure head loss of 100 mbar.

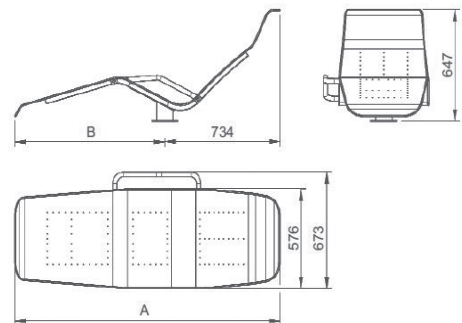
31998



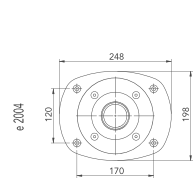
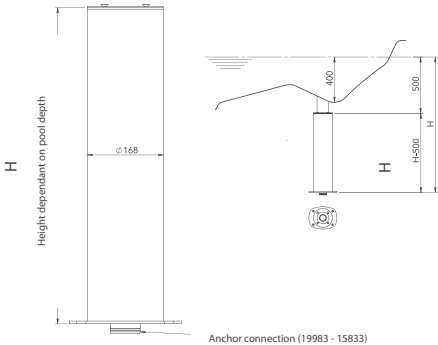
31996



32070

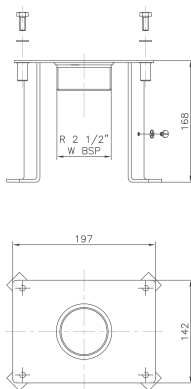


31997L0500

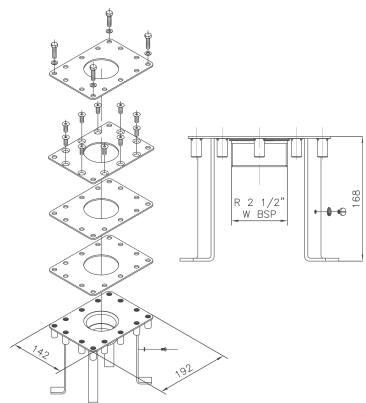


To be specified in orders.
H: Column height
H = Pool depth - 500

19983



15833

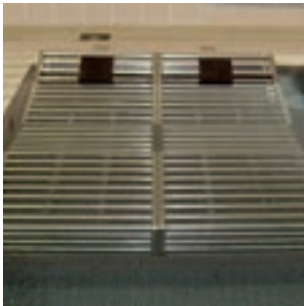


HYDRO LEISURE ELEMENTS



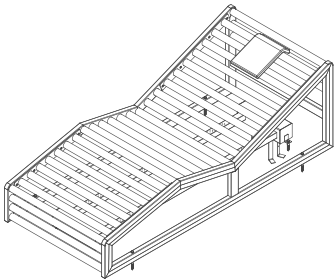
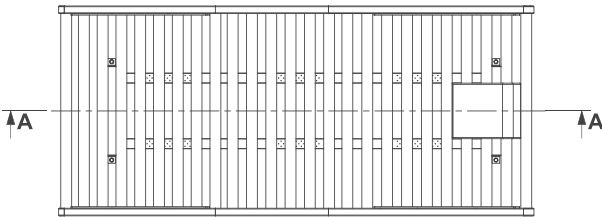
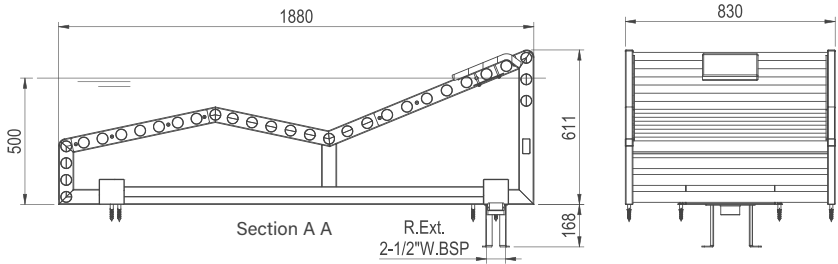
HYDROMASSAGE BED

An elegant, modern design made of stainless steel tubes. Its flexible design allows as many beds as desired to be linked in parallel, achieving variable widths adaptable to each project.

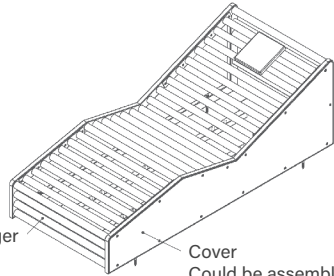


	Code
Tubular concrete hydromassage bed	58812

* Can be customised with logo.

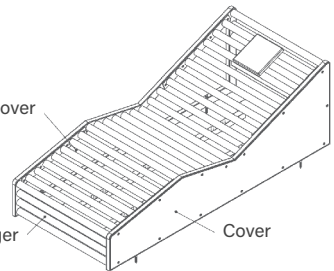


58812



67746
1 cover

Lounger
Cover
Could be assembled in the right or the left side



67747
2 covers

Cover
Lounger
Cover

SPAECIAL HYDROMASSAGE BEDS

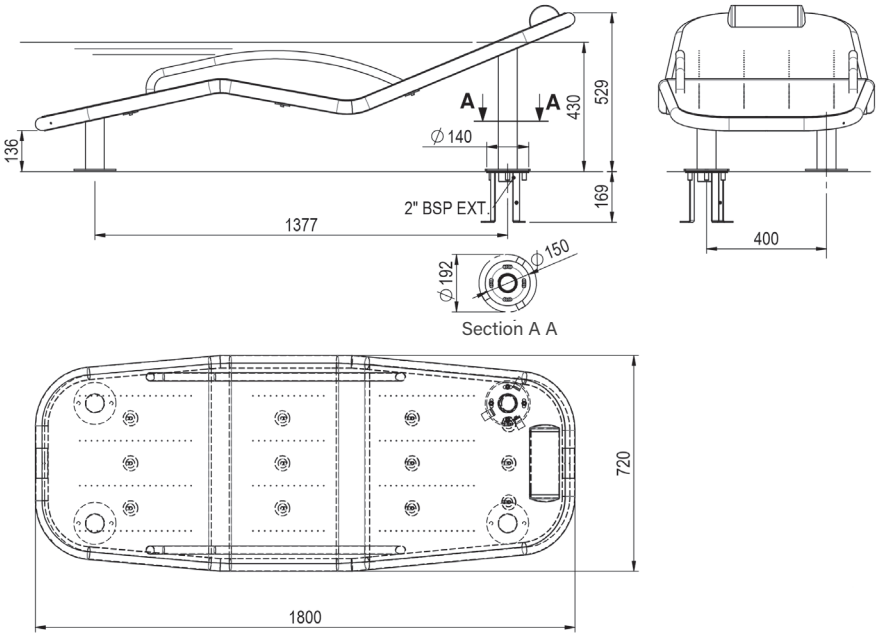
Stainless steel ergonomic waterbed for individual use. Composed of 200 air micro-outlets which provide a relaxing and pleasant massage. Easy installation.



Code

SpaECIAL hydromassage bed

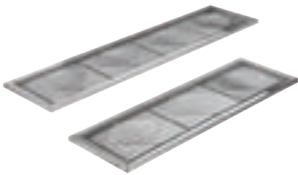
45665



HYDRO LEISURE ELEMENTS



HIGH FLOW SUCTION GRILLS

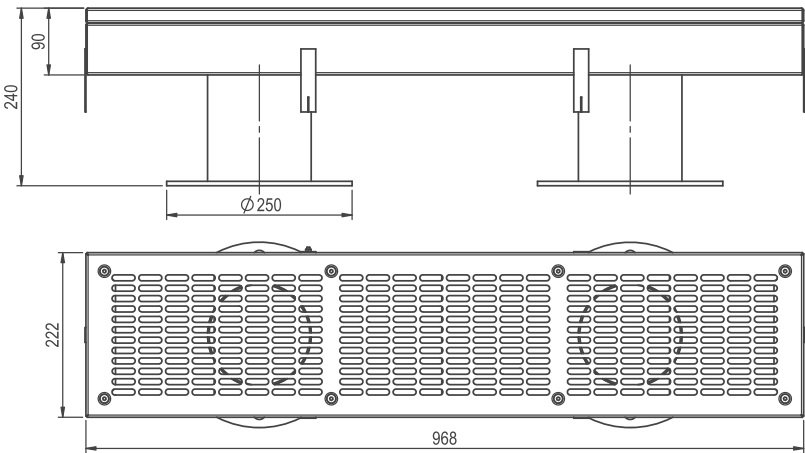


An attractive element manufactured in AISI-316 stainless steel, comprised of a frame and modular grill, this piece has been specially designed to protect the suction tubes which feature in high-flow grills.

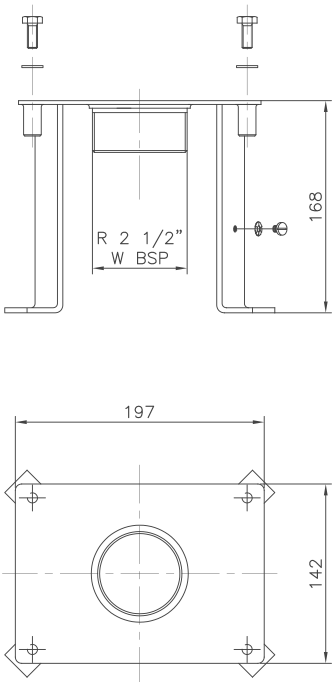
Code

High Flow Rate Suction Cabinet of 120 m³/h for concrete	58814
Rectangular anchor for concrete pool	19983
Rectangular anchor for prefabricated pool	15833

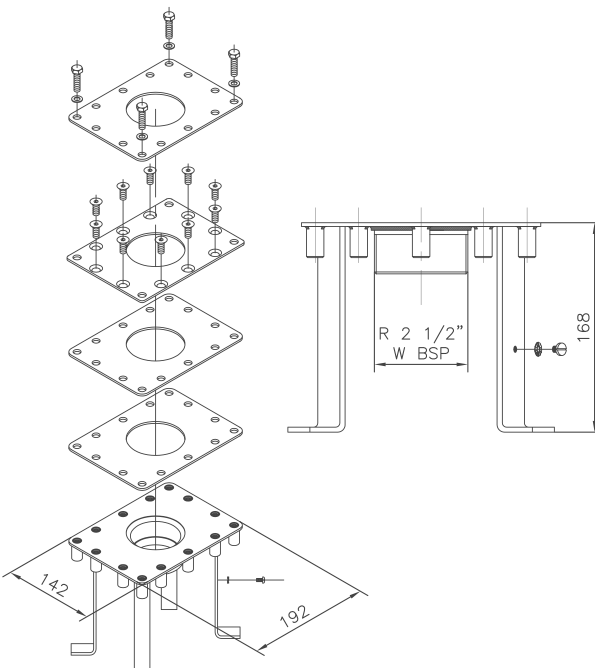
58814



19983



15833



AIR BLOWERS



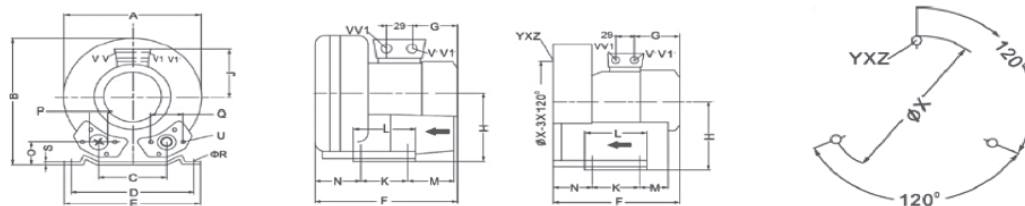
Air pump designed for spas, baths, hydromassage installations and similar which produces a constant stream of air bubbles at medium and high air volume levels. It can also be used to stir up the filter bed, for example in back wash cycles where a low intensity air current is required.

Code	Pump Power	Flow	Pressure	Voltage
35387-FG	0.75 kW 3 phase	144	190	110 / 220 V
35388-FG	0.75 kW 3 phase	144	190	220 / 380 V
31090-FG	1.1 kW single phase	216	180	220 V
31091-FG	1.3 kW 3 phase	216	180	220 / 380V
31092-FG	1.75 kW 3 phase	216	250	220 / 380 V
35389-FG	1.75 kW 3 phase	156	320	220 / 380 V
31093-FG	2.2 kW 3 phase	312	220	220 / 380 V
31094-FG	3.4 kW 3 phase	222	410	220 / 380 V
31095-FG	3.4 kW 3 phase	312	280	200 / 380 V
31096-FG	4 kW 3 phase	312	280	200 / 380 V
31097-FG	5.5 kW 3 phase		280	200 / 380 V
31098-FG	7.5 kW 3 phase		360	380 / 660 V
33970-FG	0.4 kW 3 phase			
33971-FG	1.5 kW single phase			
33972-FG	5.5 kW 3 phase			
33973-FG	11 kW 3 phase			

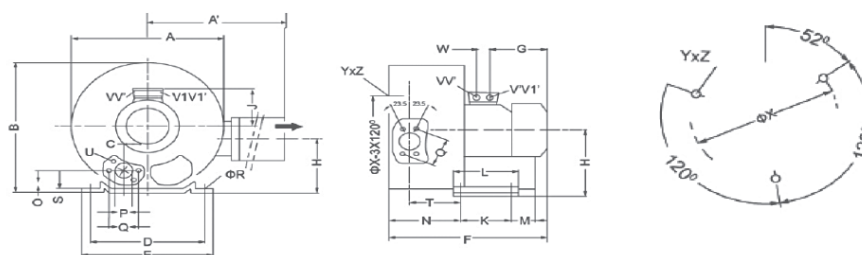
COMPRESSION @ 50Hz - PRESSURE (mbar) / FLOW (m³/h)

Model	Conn.	kW	0	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	600	625	650
BL02000100400	33970-FG	1 1/4"	0.4	80	58	45	33	12																			
BL04000100900	35387-FG	1 1/2"	0.85	140	112	100	90	70	55																		
BL040001M0900	35388-FG	1 1/2"	0.85	140	112	100	90	70	55																		
BL05000101300	31091-FG	2"	1.5	210	180	165	145	125	115																		
BL050001M1300	31092-FG	2"	1.5	210	180	165	145	125	115																		
BL05000101500	31090-FG	2"	1.5	210	180	165	145	125	115	90																	
BL050001M1500	33971-FG	2"	1.5	210	180	165	145	125	115	90																	
BL06000102200	31093-FG	2"	2.2	320	290	270	250	230	210	200	180																
BL06000103000	31095-FG	2"	3	320	290	270	250	230	210	200	180	165	140	120													
BL07000105500	31097-FG	2 1/2"	5.5	520	490	470	430	410	395	380	355	330	305	290	255												
BL07000107500	31098-FG	2 1/2"	7.5	520	490	470	430	410	395	380	355	330	305	290	255	240	220	200	180	160	130						
BL42000201600	35389-FG	1 1/2"	1.6	150	135	130	125	120	115	100	95	90	85	75													
BL52000203000	31094-FG	2"	3	230	220	210	195	185	175	170	165	155	145	135	125	120	110	100	85	80							
BL52000204000	31096-FG	2"	4	230	220	210	195	185	175	170	165	155	145	135	125	120	110	100	85	80	70	60	50				
BL62000205500	33972-FG	2"	5.5	340	335	320	310	295	290	280	265	255	245	240	230	225	220	215	200	190	180	170	155	145			
BL92000211000	33973-FG	2 1/2"	11	520	495	480	470	455	440	430	420	410	390	380	375	370	360	340	335	330	320	315	300	290	280	270	

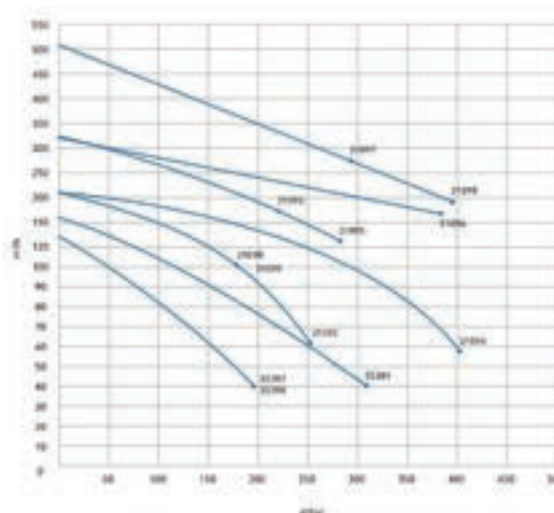
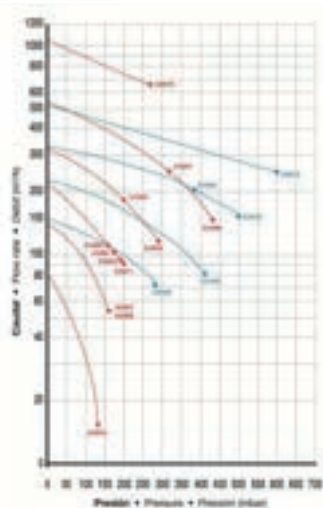
AIR BLOWERS

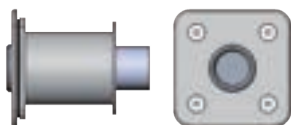


																											(1~)		(3~)									
	A	A'	B	B'	C	C'	D	E	F	F'	F''	G	H	H'	J	K	L	M	N	N'	O	P	P'	Q	Ø	R	S	T	U	V	V'	V1	V1'	W	α	ØX	XYZ	holes X
33970-FG	246		247		90	205	230	256				135	128		101	83	108	75	71	39	G1¼		64	10	3			M6x19			M25X1.5	M16X1.5			140		M6x15	0°/120°/240°
35387-FG	286		302		115	225	255	292				160	154		120	95	130	70	75	46	G1½		72	12	3			M6x19			M25X1.5	M16X1.5			174		M6x15	0°/120°/240°
35388-FG	286		302		115	225	255	294				160	154		120	95	130	70	75	46	G1½		72	12	3			M6x19	M16x1.5	M25X1.5					174		M6x15	0°/120°/240°
31091-FG	334		337		120	260	295	346				191	175		128	115	155	96	87	48	55		83	14	4			M8x17			M25X1.5	M16X1.5	29		200	M8x20	0°/120°/240°	
31092-FG	334		337		120	260	295	346				191	175		128	115	155	96	87	48	55		83	14	4			M8x17			M25X1.5	M16X1.5	29		200	M8x20	0°/120°/240°	
31090-FG	334		337		120	260	295	346				191	175		128	115	155	96	87	48	55		83	14	4			M8x17			M25X1.5	M16X1.5	29		200	M8x20	0°/120°/240°	
33971-FG	334		337		120	260	295	346				191	175		128	115	155	96	87	48	55		83	14	4			M8x17			M25X1.5	M16X1.5	29		200	M8x20	0°/120°/240°	
31093-FG	382		384		125	290	325	377				191	197		128	140	180	84	109	54	55		83	15	4.5			M8x17			M32X1.5	M32X1.5	29		240	M10x20	0°/120°/240°	
31095-FG	382		384		125	290	325	409				188	197		135	140	180	84	109	54	55		83	15	4.5			M8x17			M32X1.5	M32X1.5	42		240	M10x20	0°/120°/240°	
31097-FG	451		461	509	152	356	394	433	477			230	240		148	170	217	140	124	65	2*1/2			15	6						M32X1.5	M32X1.5	42		286	M12x20	0°/120°/240°	
31098-FG	451		461	509	152	356	394	433	477			230	240		148	170	217	140	124	65	2*1/3			15	6						M32X1.5	M32X1.5	42		286	M12x20	0°/120°/240°	



																												(1~)			(3~)							
	A	A'	B	B'	C	C'	D	E	F	F'	F''	G	H	H'	J	K	L	M	N	N'	O	P	P'	Q	ØR	S	T	U	V	V'	V1	V1'	W	α	ØX	XYZ	holes X	
33970-FG	322	324	315		58		225	255	401			191	154	153	128	95	130	73	151		45	G1/2"		72	12	3	104	M6x19			M25X1.5	M16X1.5		28	174	M6x15	51.5°/171.5°/291.5°	
35387-FG	372	411	371		60		260	295	465			190	175	144	135	115	155	98	171		48	55		83	14	4	116	M8X17			M32x1.5	M32x1.5	42		200	M8x20	51.5°/171.5°/291.5°	
35388-FG	372	411	371		60		260	295	499			224	175	144	135	115	155	98	171		48	55		83	14	4	116	M8X17			M32x1.5	M32x1.5	42		200	M8x20	51.5°/171.5°/291.5°	
31091-FG	426	426	410		154		290	325	571			226	197	162	167	140	180	200	205		53	G2		83	15	4.5	130	M8X17			M32X1.5	M32X1.5	42		240	M10x20	51.5°/171.5°/291.5°	
31092-FG	500	549	490	509	76		356	394	694	717		318	240	199	197	170	217		212	84	105	G2½			15	6				M40X1.5			42		286	M12x20	51.5°/171.5°/291.5°	



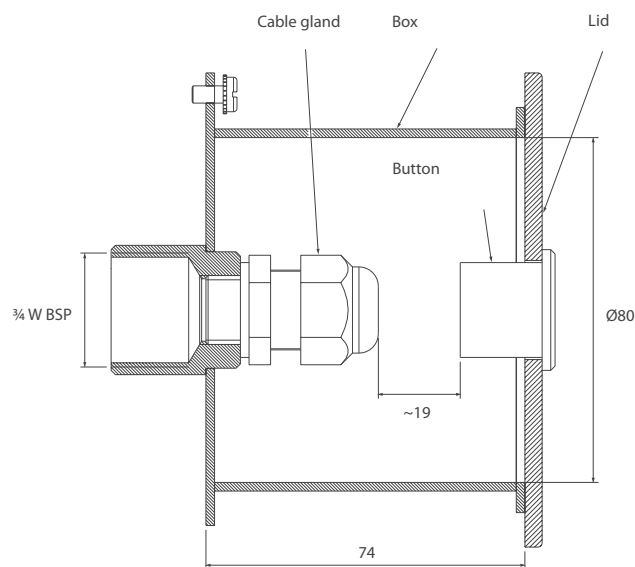
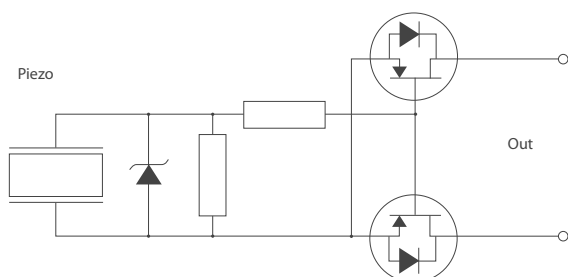
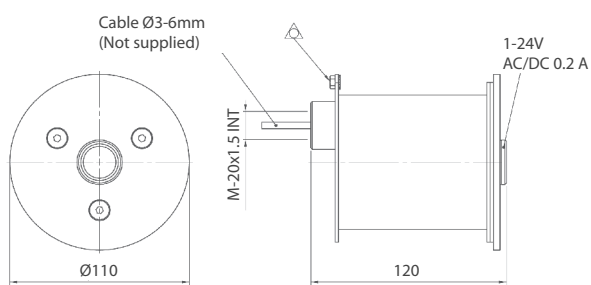


PIEZOELECTRONIC PUSH BUTTON KIT

A new piezoelectric push button with an attractive design. It is specially designed to work in adverse environments. Its high resistance helps reduce maintenance costs. Despite IP-68 protection, immersion is not recommended.

Code

Single piezoelectric push button	45219
1 LED push button	35759
2 LEDs push button	35760

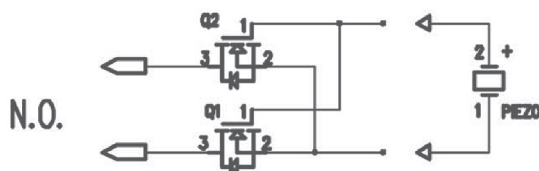


SINGLE PIEZOELECTRIC PUSH BUTTON

- Housing: stainless steel
- Connection: RED PVC WIRES 24 AWG
- Switching voltage: 1 - 24 V AC/DC
- Switching current: 0.200 A
- Switch resistance "on": <20Ω
- Switch resistance "off": >5Ω
- Actuation force: 3-5N
- Make impulse time: 125-300 mSEC
- Operating and storage temp: -40 °C to 125 °C.

Code

Single piezoelectric push button	60747
----------------------------------	-------



HYDRO LEISURE ELEMENTS

WATER EFFECT TIMER

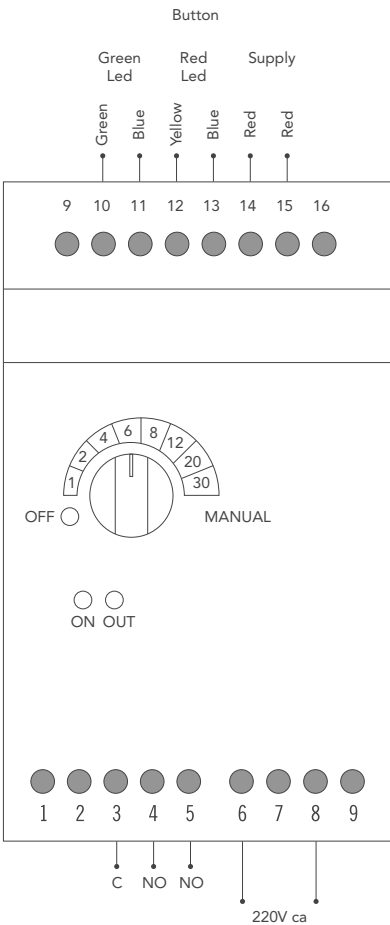


- Voltage: 220 V AC - 50 Hz.
- Maximum relay current: - 50 Hz 12 A.
- Contact type NC/NA.
- LED voltage outlet: red and green, independently.
- Timer dimensions 52 x 90 x 80 mm
- Times available: 1,2,3,4,5,6,7,8,10,12,15,20,25 and 30 minutes.
- LED indications:
- LEDs off = no voltage.
- Permanent green LED: relay circuit activated.
- Permanent red LED: relay circuit deactivated.
- Flashing green LED: 10 seconds to shut off.

Regulations:

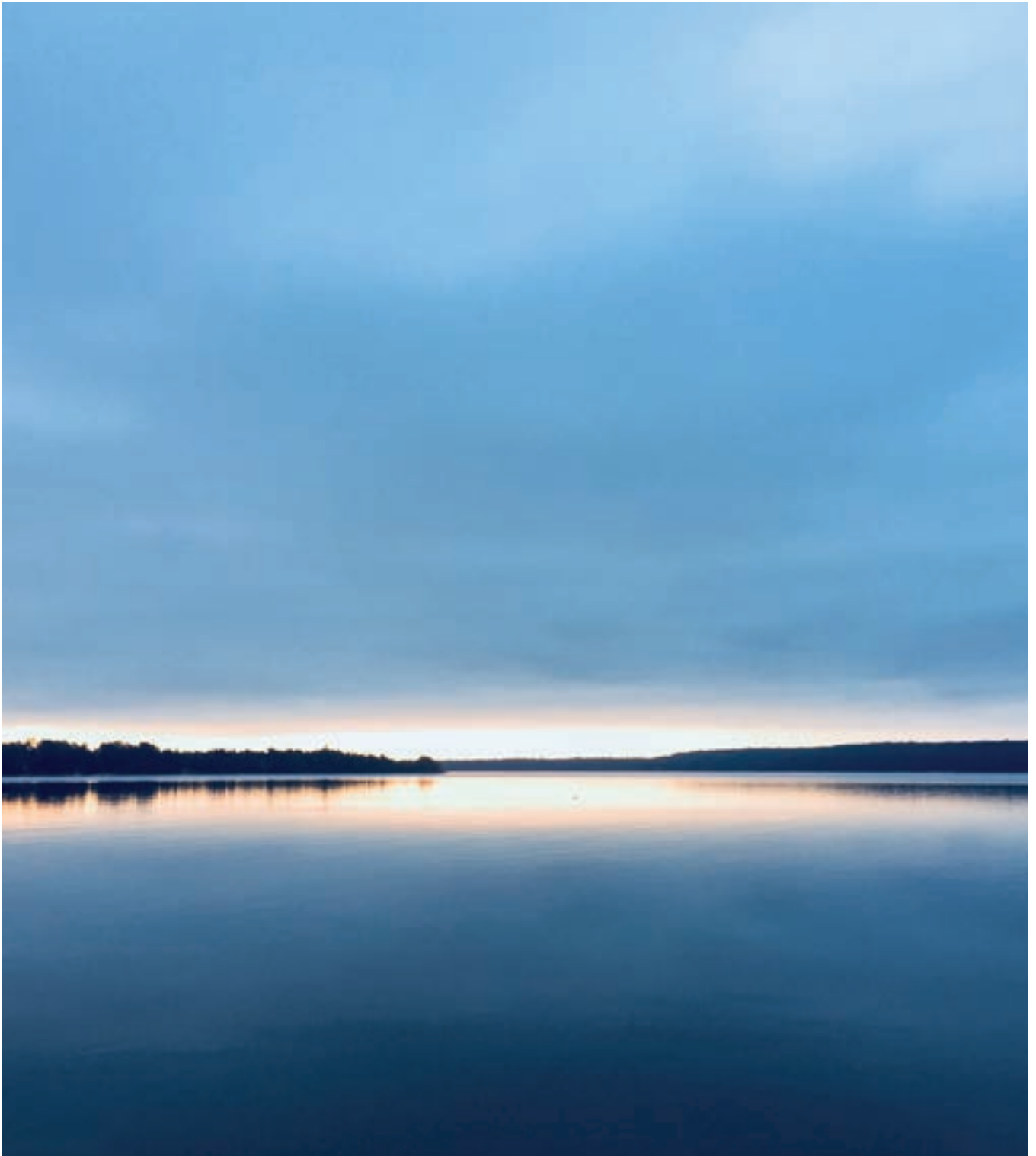
- Directive 2014/35/EU, on electrical equipment designed for use within certain voltage limits
- Directive 2014/30/EU, on electromagnetic compatibility
- Directive 2011/65/EU, on the restriction of the use of certain hazardous substances in electrical and electronic equipment
- Directive 2009/125/EC on the framework for setting ecodesign requirements for energy-related products.

	Code
Water effect timer	35403



SPA RANGE

- + Sit back, relax, and enjoy...
- + Water has also been essential for human survival, and the benefits of hydrotherapy have been known since ancient times.
- + Today, hydrotherapy is a natural solution used to alleviate and treat conditions including stress, anxiety, and insomnia, symptoms of our hectic lives.
- + Hydrotherapy helps stimulate blood circulation and eliminate toxins from the body and is an excellent tool for treating a range of diseases, as well as bone and muscle injuries.



SPA RANGE

PROFESSIONAL RANGE

ASTRALPOOL **Commercial spas with overflow channel and compact units**

- + Spas designed for commercial spaces, gyms, wellness centres, hotels...
- + A wide range of options and finishes that cover all needs.
- + Spas with both an acrylic and mosaic tile finish.

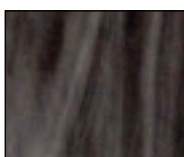
COLOUR CHART FOR SPAS



N° 44 WHITE



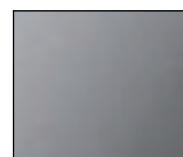
N° 59 STERLING



N° 64 PEARL SHADOW



N° 65 ALBA



N° 27 SILVER

OPTIONAL EQUIPMENT



CHROMOTHERAPY LED SPOTLIGHT,

for public spas only

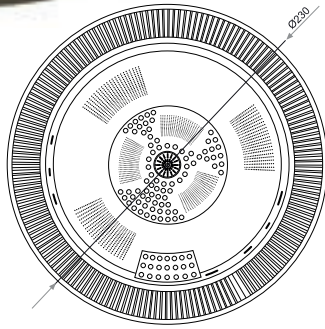
The Mini LED spotlight is the best option for lighting public spas. Thanks to the high intensity LEDs, lighting is similar to that attained with conventional lamps.

The range of LumiPlus Mini 2.0 projectors has a multitude of possible colour combinations and sequences with higher light intensity and better energy efficiency, which result in an 80% saving on electricity consumption compared with conventional projectors, as well as 100,000 hours of useful life time without the need for maintenance.

Chromotherapy LED spotlight option

STAINLESS STEEL SPAS

VULCANO



TECHNICAL FEATURES

Dimensions in cm (± 1 cm)	$\varnothing 230 \times 90$
Positions (Seats / Loungers)	6 (6 / -)
Jets + nozzles	12 + 15
Recommended compact kit	Kit 75 - Code 05135

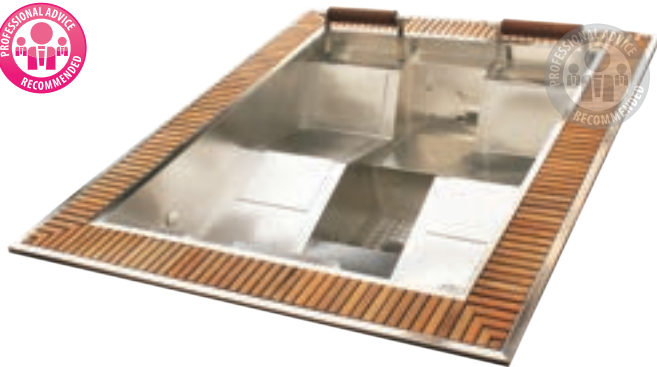
Equipped with overflow channel, main drain, hydromassage push buttons, and filtration, hydromassage and blower nozzles. Balance tank and compact filtration kit not included. Optional Cover sold separately.

Code

VULCANO circular stainless steel SPA + Spotlight

43723

MERCURIO



TECHNICAL FEATURES

Dimensions in cm (± 1 cm)	268 x 230 x 90
Positions (Seats / Loungers)	4 (2 / 2)
Jets + nozzles	12 + 29
Recommended compact kit	Kit 75 - Code 05135

Equipped with overflow channel, main drain, hydromassage push buttons, and filtration, hydromassage and blower nozzles. Balance tank and compact filtration kit not included. Optional Cover sold separately.

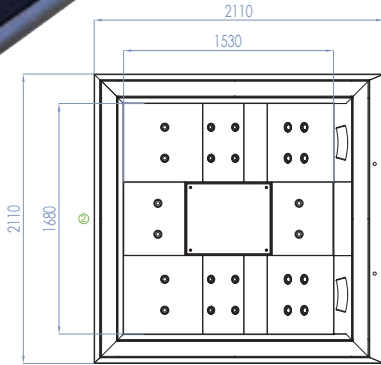
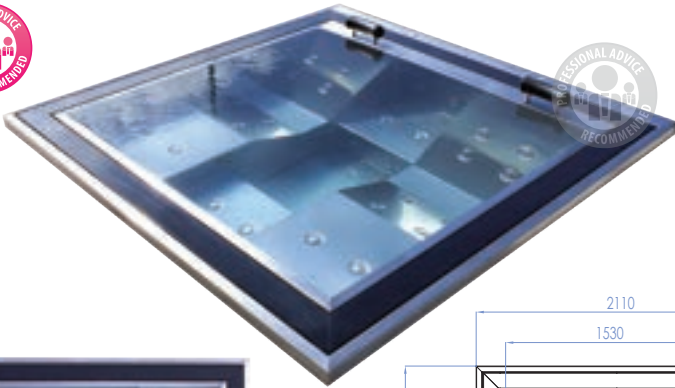
Code

MERCURIO Rectangular Stainless steel SPA + Spotlight

71470

STAINLESS STEEL SPAS

VENUS



TECHNICAL FEATURES

Dimensions in cm (\pm 1cm)	211 x 211 x 90
Positions (Seats / Loungers)	4 (2 / 2)
Jets + nozzles	20 + 16
Recommended compact kit	Kit 75 - Code 05135

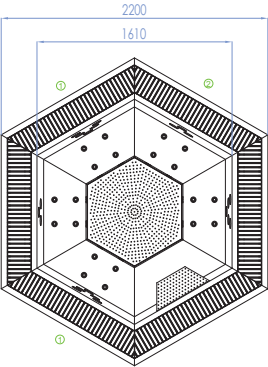
Equipped with overflow channel, main drain, hydromassage push buttons, and filtration, hydromassage and blower nozzles. Balance tank and compact filtration kit not included. Optional Cover sold separately.

Code

VENUS Rectangular Stainless steel SPA + Spotlight

46027

NEPTUNO



TECHNICAL FEATURES

Dimensions in cm (\pm 1cm)	254 x 220 x 100
Positions (Seats / Loungers)	5 (5 / -)
Jets + nozzles	23 + 20
Recommended compact kit	16412

Equipped with overflow channel, main drain, hydromassage push buttons, and filtration, hydromassage and blower nozzles. Balance tank and compact filtration kit not included. Optional Cover sold separately.

Code

NEPTUNO Design Stainless steel SPA + Spotlight

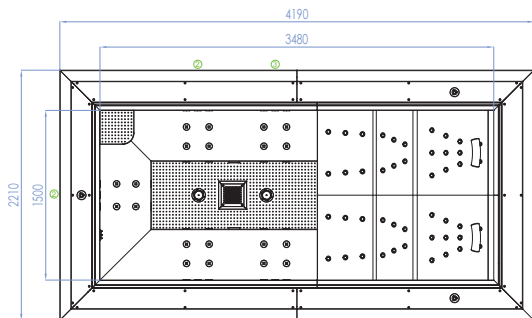
71473

STAINLESS STEEL SPAS

ZEUS



TECHNICAL FEATURES	
Dimensions in cm (± 1cm)	348 x 150 x 98
Positions (Seats / Loungers)	7 (5 / 2)
Jets + nozzles	25 + 62
Recommended compact kit	Send inquiry



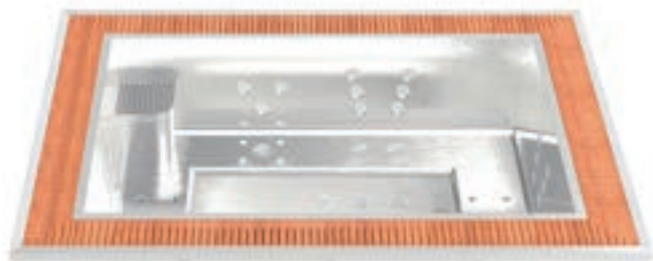
Equipped with overflow channel, main drain, hydromassage push buttons, and filtration, hydromassage and blower nozzles. Balance tank and compact filtration kit not included. Optional Cover sold separately.

Code

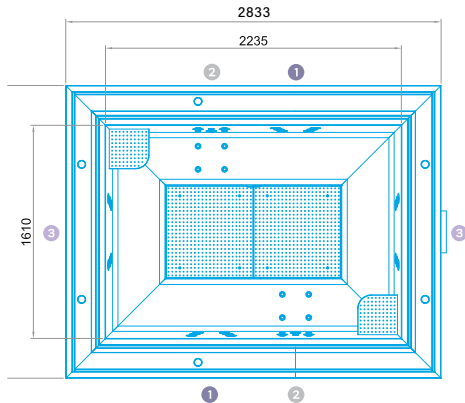
ZEUS Rectangular Stainless steel SPA + Spotlight

71474

APOLO 6



TECHNICAL FEATURES	
Dimensions in cm (± 1cm)	224 x 162 x 98
Positions (Seats / Loungers)	6 (6 / -)
Jets + nozzles	34 + 16
Recommended compact kit	16412



Equipped with overflow channel, main drain, hydromassage push buttons, and filtration, hydromassage and blower nozzles. Balance tank and compact filtration kit not included. Optional Cover sold separately.

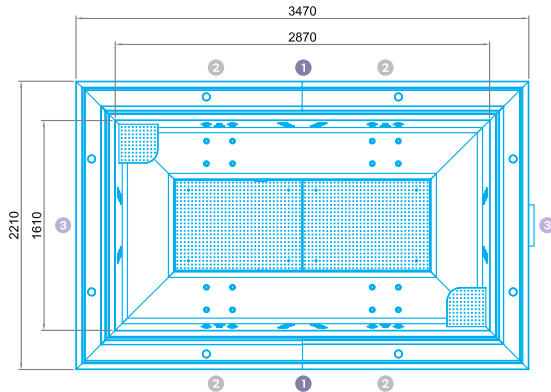
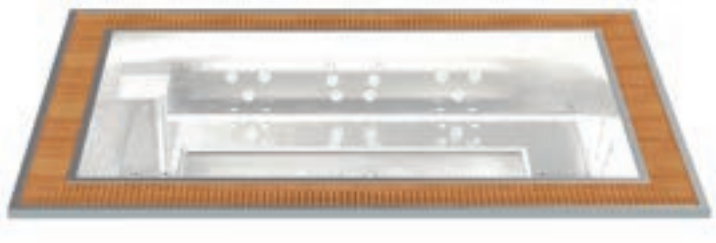
Code

APOLO Rectangular Stainless steel SPA + Spotlight

71475

STAINLESS STEEL SPAS

APOLO 8



TECHNICAL FEATURES

Dimensions in cm (± 1 cm)	288 x 162 x 98
Positions (Seats / Loungers)	8 (8 / -)
Jets + nozzles	40 + 24
Recommended compact kit	43639

Equipped with overflow channel, main drain, hydromassage push buttons, and filtration, hydromassage and blower nozzles. Balance tank and compact filtration kit not included. Optional Cover sold separately.

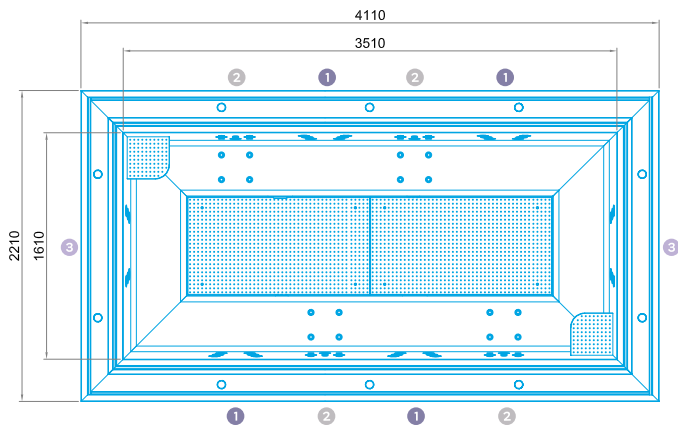
Code

APOLO Rectangular Stainless steel SPA + Spotlight

71476

WATER

APOLO 10



TECHNICAL FEATURES

Dimensions in cm (± 1 cm)	352 x 162 x 98
Positions (Seats / Loungers)	10 (10 / -)
Jets + nozzles	56 + 24
Recommended compact kit	43639

Equipped with overflow channel, main drain, hydromassage push buttons, and filtration, hydromassage and blower nozzles. Balance tank and compact filtration kit not included. Optional Cover sold separately.

Code

APOLO Rectangular Stainless steel SPA + Spotlight

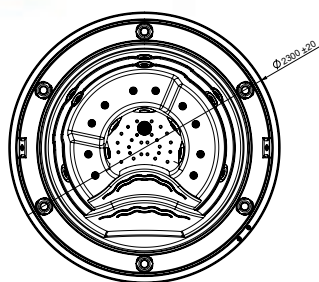
71477

ACRYLIC SPAS

ODISEA 20



WHITE COLOUR (44)



TECHNICAL FEATURES

Dimensions in cm (± 1cm)	Ø 230
Positions (Seats / Loungers)	5 (5 / -)
Jets + nozzles	8 + 10
Recommended compact kit	Kit 50 / 75

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

Code

ODISEA Circular Acrylic SPA + Spotlight

45709

MIRAGE 40



TECHNICAL FEATURES

Dimensions in cm (± 1cm)	Ø 250
Positions (Seats / Loungers)	6 (6 / -)
Jets + nozzles	26 + 12
Recommended compact kit	Kit 75 2M

Spa cover and balance tank sold separately.
See section "Spa accessories".

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

Code

MIRAGE Circular Acrylic SPA + Spotlight

44630

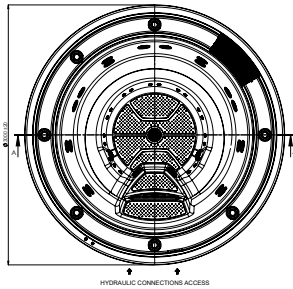
ACRYLIC SPAS

ROMA

ASTRALPOOL



COLOUR: BLUE MARBLE (46)



TECHNICAL FEATURES

Dimensions in cm (± 1 cm)	$\varnothing 300$
Positions (Seats / Loungers)	9 (9 / -)
Jets + nozzles	18 + 18
Recommended compact kit	Kit 75 2M

Spa cover and balance tank sold separately.
See section "Spa accessories".

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

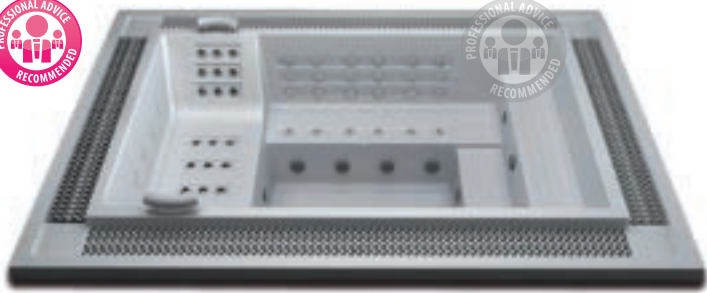
Code

ROMA Circular Acrylic SPA + Spotlight

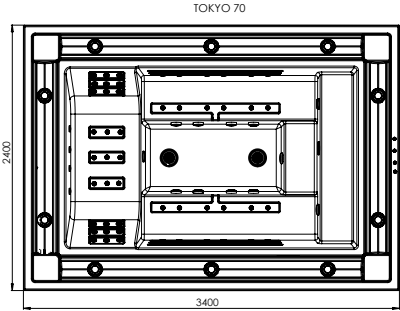
40769

TOKYO 70

ASTRALPOOL



WHITE COLOUR (44)



TECHNICAL FEATURES

Dimensions in cm (± 1 cm)	340 x 240
Positions (Seats / Loungers)	7 (6 / 1)
Jets + nozzles	58 + 21
Recommended compact kit	Kit 75 3M

Spa cover and balance tank sold separately.
See section "Spa accessories".

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

Code

TOKYO Rectangular Acrylic SPA + Spotlight

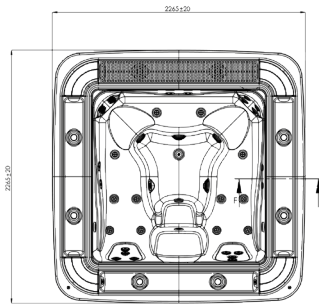
53990

ACRYLIC SPAS

VERONA



WHITE COLOUR (44)



TECHNICAL FEATURES

Dimensions in cm (± 1 cm)	228 x 228
Positions (Seats / Loungers)	5 (3 / 2)
Jets + nozzles	24 + 12
Recommended compact kit	Kit 75 2M

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank and compact filtration kit not included. Optional Cover sold separately.

Code

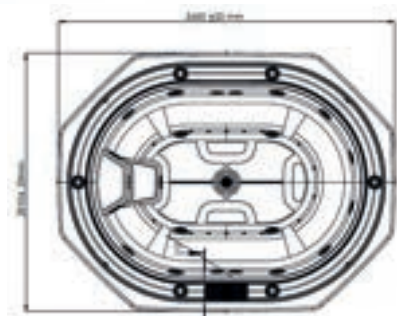
VERONA Rectangular Acrylic SPA + Spotlight

70550

OLYMPIA



BLUE MARBLE
COLOUR (46)



TECHNICAL FEATURES

Dimensions in cm (± 1 cm)	365 x 280
Positions (Seats / Loungers)	12 (12/-)
Jets + nozzles	16 + 16
Recommended compact kit	Kit 75 2M

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank and compact filtration kit not included. Optional Cover sold separately.

Code

OLYMPIA Acrylic SPA + Spotlight

73587

ACRYLIC SPAS

HOTEL SPA

ASTRALPOOL

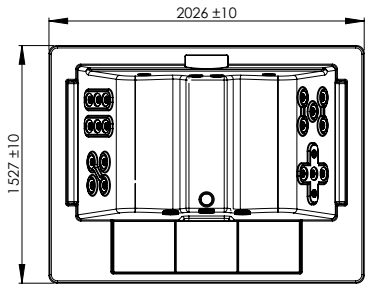


WHITE COLOUR (44)
GRAPHITE CABINET

TECHNICAL FEATURES

Dimensions in cm (± 1 cm)	203 x 150 x 72
Positions (Seats)	4 (4)
Jets	20

New model that **fills** the hot tub with water **automatically**. It fills the hot tub with new water in only **45 minutes**, making it the perfect and most practical option for hotels.





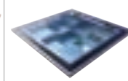





Code

Graphite Cabinet + Stainless Steel Jets + Spotlight +Cover

71463AL320CL44

SPA RANGE

STAINLESS STEEL SPAS Comparison of models

								
MODELS	Vulcano	Mercurio	Venus	Neptuno	Zeus	Apolo 6	Apolo 8	Apolo 10
	43723	71470	71471	71473	71474	71475	71476	71477
GENERAL SPECIFICATIONS								
Internal dimensions	Ø1.73 x 0.81 m	2.10 x 1.70 x 0.80 m	1.68 x 1.53 x 0.70 m	1.86 x 1.61 x 0.90 m	3.48 x 1.51 x 0.94 m	2.24 x 1.62 x 0.98 m	2.88 x 1.62 x 0.98 m	3.52 x 1.62 x 0.98 m
External dimensions	Ø2.30 x 0.90 m	2.70 x 2.30 x 0.90 m	2.11 x 2.11 x 0.90 m	2.54 x 2.20 x 1.00 m	4.21 x 2.10 x 1.04 m	2.84 x 2.21 x 1.18 m	3.47 x 2.21 x 1.18 m	4.11 x 2.21 x 1.18 m
Positions (seats / loungers)	6 (6 / -)	4 (2 / 2)	4 (2 / 2)	5 (5 / -)	7 (5 / 2)	6 (6 / -)	8 (8 / -)	10 (10 / -)
Water capacity	1.5 m ³	2 m ³	1.23 m ³	1.2 m ³	2.65 m ³	2.40 m ³	3.20 m ³	4.00 m ³
Empty weight / Full weight	400 - 1900 kg	900 - 2900 kg	325 - 1560 kg	400 / 1600 kg	650 / 3300 kg	550 / 2950 kg	700 / 3900 kg	720 / 4720 kg
CHARACTERISTICS								
No of jets	12	12	20	23	25	34	40	56
No of air nozzles	18	32	16	20	62	16	24	24
Overflow / Skimmer	Overflow	Overflow	Overflow	Overflow	Overflow	Overflow	Overflow	Overflow
Overflow aspiration	4	4	8	6	6	6	6	8
Return inlet	2	2	1	2	3	2	4	4
Pool floor inlet	1	1	No	1	1	1	1	1
Main Drain	1	1	1	1	1	1	2	2
Colours	Stainless steel							
Headrests	No	Yes	Yes	No	On request	No	No	No
LED lights	3	2	4	3	2	2	2	4
Chromotherapy	as standard	as standard	as standard	as standard	as standard	as standard	as standard	as standard
Piezoelectric press buttons	2	2	2	2	3	2	2	2
High resistance metallic structure	•	•	•	•	•	-	-	-
OPTIONS (NOT INCLUDED)								
Stainless steel Overflow grill	Optional	Optional	Optional	Optional	Yes	Optional	Optional	Optional
Wood Overflow grill	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Cover	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
EXTRA NECESSARY EQUIPMENT								
Compact filtration kit	05135	05135	05135	16412	On request	16412	43639	43639
Balance Tank	1000 l	1000 l	1000 l	1000 l	1000 l	1000 l	1000 l	2000 l

SPA RANGE

ACRYLIC SPAS Comparison of models



							
MODELS	Odisea 20	Mirage 40	Roma	Tokyo 70	Verona	Olympia	Hotel SPA
	45709	44630	40769	53990	70550	73587	71463

GENERAL SPECIFICATIONS

Dimensions (± 1cm)	Ø 230	Ø 250	Ø 300	340 x 240	228 x 228	365 x 280	203 x 150 x 72
Positions (seats / loungers)	5 (5 / -)	6 (6 / -)	9 (9 / -)	7 (6 / 1)	5 (3 / 2)	12 (12/-)	4 (4)
Water capacity	1,120 l	1,410 l	2,290 l	2,200 l	1,200 l	2,490 l	520 l
Empty weight / Full weight	163 kg / 1,283 kg	353 kg / 1,763 kg	310 kg / 2,600 kg	502 kg / 2,702 kg	147 kg / 1,347 kg	373 kg / 2,863 kg	257 kg / 777 kg
Color external finishes	44-White / 59-Sterling / 65 - Alba / 64-Pearl Shadow / 46-Blue Marble	A02 / A72	44-White / 59-Sterling / 46-Blue Marble	44-White / 46-Blue Marble / 59-Sterling	44-White / 59-Sterling / 65 - Alba / 64-Pearl Shadow / 46-Blue Marble	44-White / 46-Blue Marble / 59-Sterling	Graphite / Thunder / Butterfly

CHARACTERISTICS

No of jets	8	26	18	58	24	16	20
No of air nozzles	10	12	18	21	12	20	-
Color jets	White	Inox	White	Inox	White	White	Inox
Headrests	-	-	-	2	-	-	2
Cascade	-	-	-	Optional	-	-	-
Chromotherapy LED lights	Optional 1 LED	Yes 1 LED	Optional 1 LED	4 LED	Optional 1 LED	Optional 1 LED	2 LED
Galvanized metal structure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Piezoelectric press buttons	2	2	2	3	2	2	Touch panel
Cover	Optional	Optional	Optional	Optional	Optional	Optional	Yes
EcoSpa thermal insulation							Optional
Nordic Insulation							Optional

EXTRA NECESSARY EQUIPMENT

Compact filtration kit	Kit 50/75	Kit 75 2M	Kit 75 2M	Kit 75 3M	Kit 75 2M	Kit 75 2M	
Balance Tank	1.000 l	1.000 l	2.000 l	2.000 l	1.000 l	2.000 l	

SPA FILTRATION EQUIPMENT

Filter	Ø 500	Ø 650	Ø 650	Ø 650	Ø 650	Ø 650	
Filtration pump	0.60 Kw	0.82 Kw	0.82 Kw	0.82 Kw	0.82 Kw	0.82 Kw	0.2 Kw
Massage pump (P1)	1.4 Kw	2 x 1.81 Kw	2 x 1.81 Kw	2 x 1.81Kw+2.7Kw	2 x 1.81 Kw	2 x 1.81 Kw	1.850 Kw / 2,5 CV
Blower pump	1.3 Kw	1.3 Kw	1.3 Kw	1.3 Kw	1.3 Kw	1.3 Kw	-
Electric heat	6 Kw	6 Kw	6 Kw	6 Kw	6 Kw	6 Kw	3 Kw
Ozonator	Optional	Optional	Optional	Optional	Optional	Optional	Ultraviolet Treatment UV
Water-water exchanger 20 kw	Optional	Optional	Optional	Optional	Optional	Optional	-
Push buttons / Control	Piezoelectronics	Piezoelectronics	Piezoelectronics	Piezoelectronics	Piezoelectronics	Piezoelectronics	-
Required power Low AMP (W)	9.362 W	11.802 W	11.802 W	14.485 W	11.802 W	11.802 W	3.400 W
Required power (A)	18.1 A	23 A	23 A	27.5 A	23 A	23 A	14.6 A
Voltage	400 V III + N	400 V III + N	400 V III + N	400 V III + N	400 V III + N	400 V III + N	400 V III

KITS FOR SPAS

OPTIONAL KITS FOR SPAS

				
MODELS	Kit 50	Kit 75	Kit 75 2M	Kit 75 3M
	04015	05135	16412	43639
GENERAL SPECIFICATIONS				
Filter	Ø 500	Ø 650	Ø 650	Ø 650
Filtration pump	0.60 Kw	0.82 Kw	0.82 Kw	0.82 Kw
Massage pump (P1)	1.4 Kw	1.4 Kw	2 x 1.81 Kw	2 x 1.81 Kw + 2.7 Kw
Blower pump	1.3 Kw	1.3 Kw	1.3 Kw	1.3 Kw
Electric heat	6 Kw	6 Kw	6 Kw	6 Kw
Ozonator	Optional	Optional	Optional	Yes
Dosific. auto + pH y Cl. control	Optional	Optional	-	-
Water-water exchanger 20 kW	Optional	Optional	Optional	Optional
Push buttons / Control	Piezoelectric	Piezoelectric	Piezoelectric	Piezoelectric
Required power Low AMP (W)	9,362 W	9,582 W	11,802 W	14,485 W
Required power (A)	18.1 A	19.2 A	23 A	27.5 A
Voltage	400 V III + N	400 V III + N	400 V III + N	400 V III + N

COMPLEMENTS FOR SPAS



POLYESTER BALANCE TANK

ASTRALPOOL 

Used for collecting water volume displaced in overflow channel of commercial spas.

Code

1000 litres capacity (162 x 122 x 83 cm)	11372
2000 litres capacity (204 x 160 x 75 cm)	27865



PE BALANCE TANK

ASTRALPOOL 

1000 litres capacity. Used for collecting water volume displaced in overflow channel of commercial spas..

Code

158 x 92 x 95 cm	17144
------------------	-------

TECHNICAL FEATURES

Code	Balance tank	Spa model
11372	1000 litre polyester tank	Casiopea, Formentera, Veneda, Colliseum, Odisea 20, Mirage 40
17144	1000 litre polyethylene tank	
27865	2000 litre polyester tank	Olympia, Wellmax, Casiopea, Formentera, Venecia, Colliseum, Odisea 20, Mirage 40

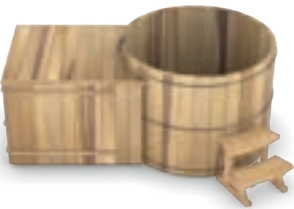
COVERS FOR SPAS

ASTRALPOOL 

Code

Odisea 20 / Infinity Spa Cover	45721
Olympia Spa Cover	73587
Mirage Spa Cover	41892
Tokyo Spa Cover	54184
Verona Spa Cover	71194
Roma Spa Cover	62402

NORDIC BATHS



WOODEN NORDIC BATH

The baths are made with the best quality of Red Cedar (grade 2.40 mm thick) for maximum durability. They are available in different diameters from 150 cm to 220 cm to accommodate 2 to 8 people.

Code

Wooden nordic bath

150 cm - 2/3 people	74095
160 cm - 3/4 people	74096
180 cm - 5/6 people	74109
200 cm - 6/7 people	74110
220 cm - 7/8 people	74111



STAINLESS STEEL NORDIC BATH

The baths are made with the best quality of Red Cedar (grade 2.40 mm thick) and stainless steel for maximum durability. They are available in different diameters from 150 cm to 220 cm to accommodate 2 to 8 people.

Code

Stainlees Steel nordic bath

150 cm - 2/3 people	74112
160 cm - 3/4 people	74113
180 cm - 5/6 people	74114
200 cm - 6/7 people	74115
220 cm - 7/8 people	74116

NORDIC BATHS



STAINLESS STEEL BATH

ASTRALPOOL 

AstralPool Nordic bath offers a unique filtration and treatment technology for Nordic baths to guarantee bacteria-free water.

- Ultra fine 1 micron filtration captures 100% of particles.
- The 18 m³/h pump have a 6 minutes turnover.
- High radiation UV and Ozone treatments kill bacteria and disinfect the water.
- OZONE CHOC® treatment cleans biofilms and eliminates bacteria (international patent EP2785648).
- The measurement and management of water quality are managed by an integrated computer (ORP reader, pH, T° C).

Code

Water treatment nordic bath

Standard	74117
PRO	74118
PRO+	74119

TECHNICAL FEATURES

Code	Description	Pump	Ozone generator	UV	Heater	PH/ORP gestion	Smartphone APP
74117	Water treatment nordic bath Standard	550 w	1 lamp	1 lamp	3 kw	-	-
74118	Water treatment nordic bath PRO	550 w	2 lamps	1 lamp	3 kw	Yes	-
74119	Water treatment nordic bath PRO+	750 w with integrated heater 1.5 wh	3 lamps	1 lamp	3 kw + 3 kw	Yes	Yes



FLUIDRA

Av. Alcalde Barnils, 69
08174 Sant Cugat del Vallès (Barcelona) Spain
Tel.: +34 93 724 39 00
www.astralpool.com