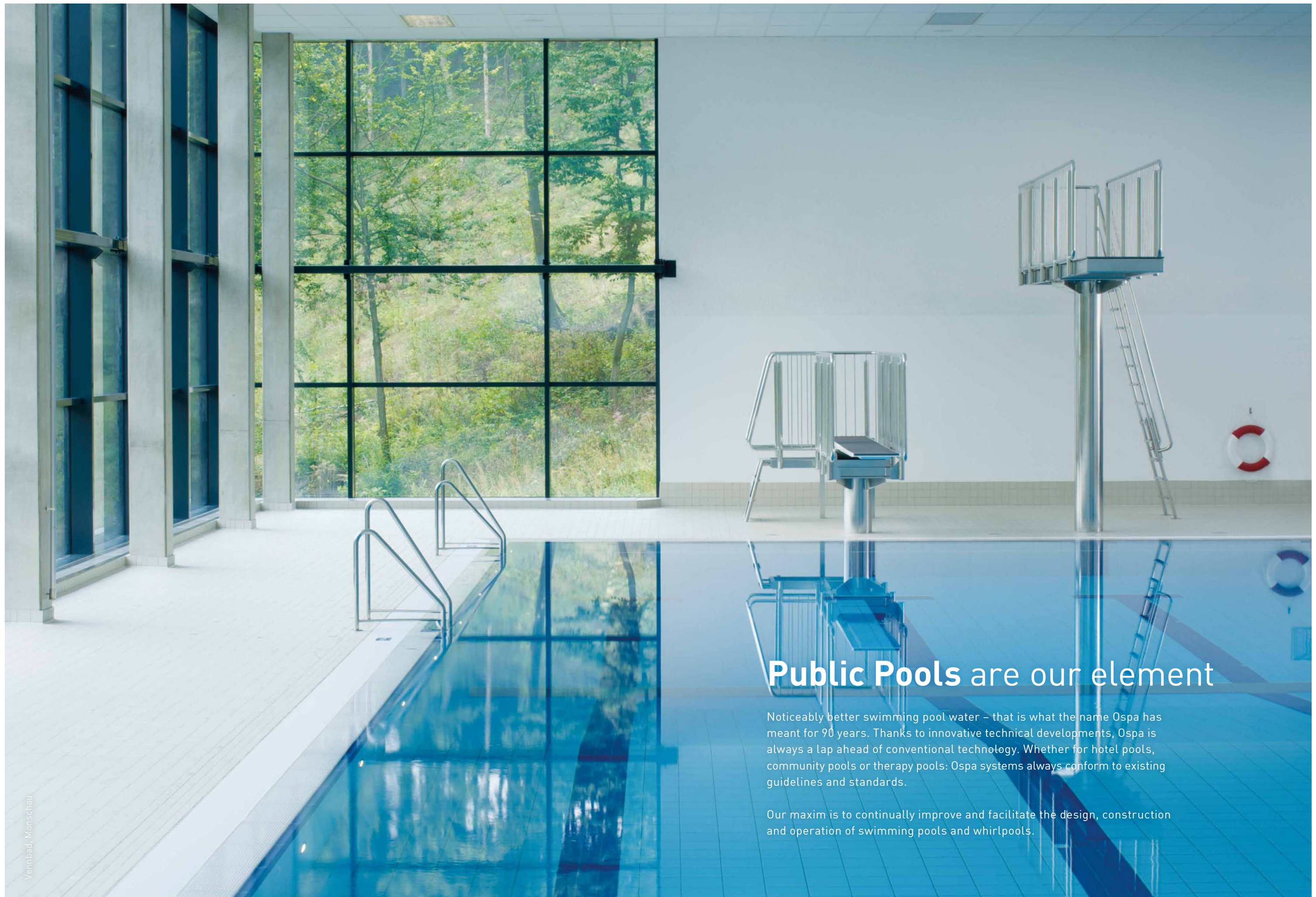




Professional Technology

for public pools and hotel pools



Public Pools are our element

Noticeably better swimming pool water – that is what the name Ospa has meant for 90 years. Thanks to innovative technical developments, Ospa is always a lap ahead of conventional technology. Whether for hotel pools, community pools or therapy pools: Ospa systems always conform to existing guidelines and standards.

Our maxim is to continually improve and facilitate the design, construction and operation of swimming pools and whirlpools.

Professional Swimming Pool Technology for professional users



The demands are varied: the operator expects safety, cost-effectiveness and reliability – swimmers expect hygienic water without chlorine odor and eye irritants. Ospa wellness water easily meets these demands: it is gentle on the eyes, gentle on the skin and has no bothersome swimming pool odor. Unique water treatment from Ospa leads the way there:

Natural salt and highly effective hydroanthracite S are the keys to perfect water quality.

 MADE IN GERMANY

Ospa System Technology

Perfectly coordinated Ospa System Technology consisting of Ospa BlueControl®, Ospa multi-layer filter and Ospa BlueClear® disinfection, provides for unique swimming pleasure. The ideal interaction of the individual components provides you and your guests with maximum naturalness and consistent, first-class water quality.

The Ospa Energy Concept for cost-effective operation



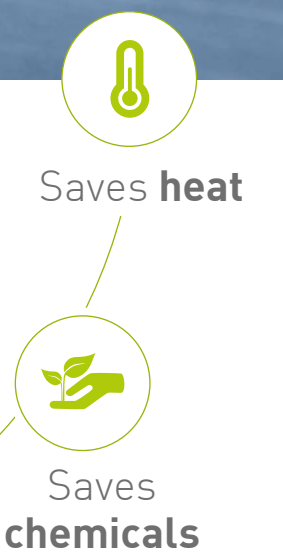
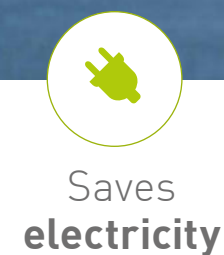
Conserves resources – saves money

Energy efficiency is the key to active environmental protection, while simultaneously reducing operating and personnel costs. That's why we already set the course for energy efficient and cost-effective operation during the design of your swimming pool.

Resource-conservative energy efficiency works best when all components are ideally coordinated with each other: Ospa provides you with sophisticated system technology for this and the know-how of more than 90 years of research and development: gentle operating resources, low energy consumption, advanced technology.

All components of Ospa swimming pool technology are designed for energy and cost-conservative operation – from our highly efficient FC pumps and filter systems, to economical and safe disinfection, to water features and lighting – all of it controlled and monitored by the Ospa BlueControl® swimming pool control which has won numerous awards.

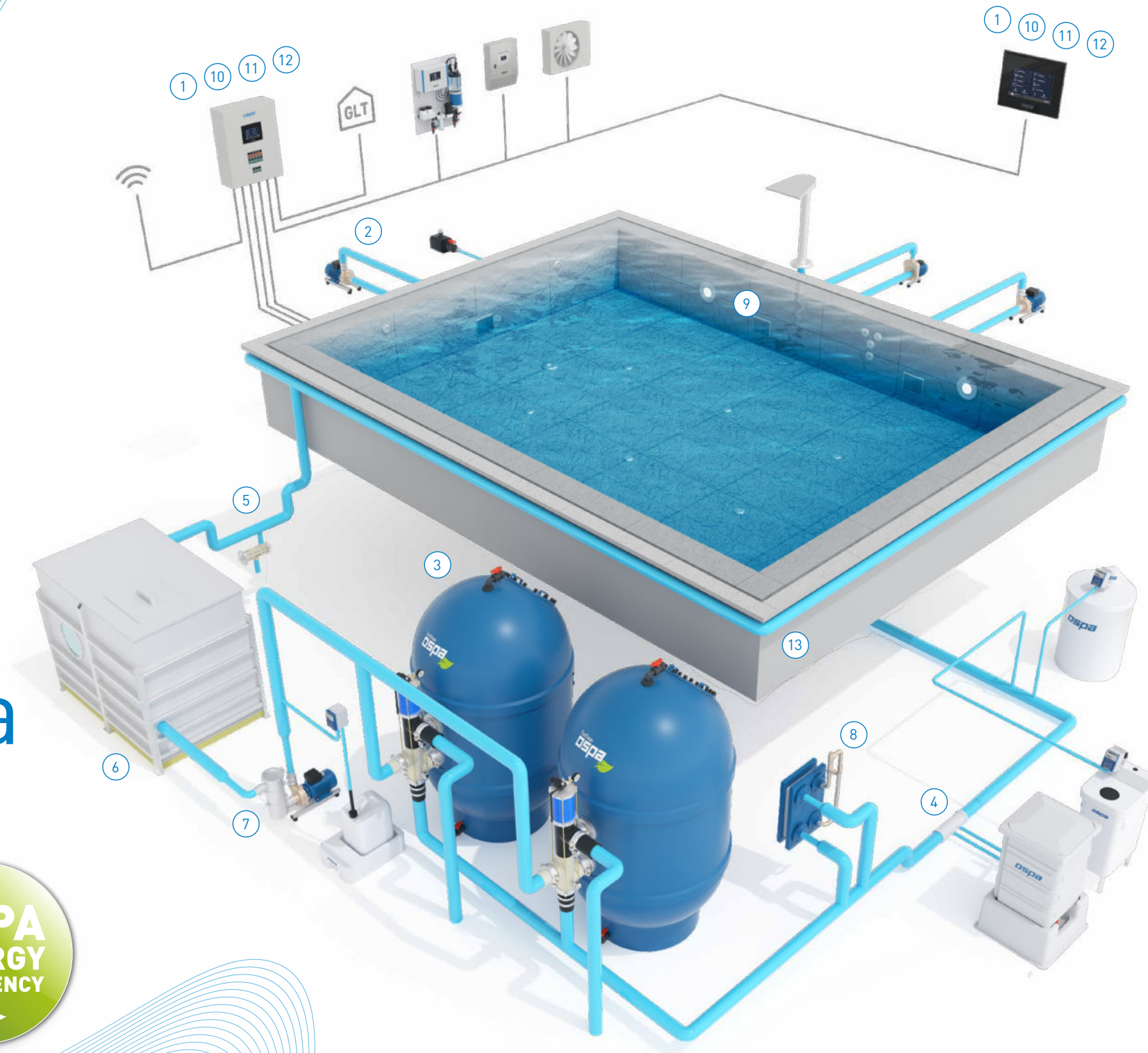
Learn more about the possibilities for energy efficiency in our energy efficiency brochure.



The Ospa EcoPool

The Ospa Energy Concept for energy-efficient and cost-effective operation

**OSPA
ENERGY
EFFICIENCY**



up to
75%*
less chemicals

up to
44%*
lower operating costs

up to
54%*
less energy consumption

1. Energy efficient control

2. Frequency-controlled pump

3. Reduced system resistance

4. Injector with energy-efficient booster pump

5. Larger pipe diameters and bends

6. Hydraulically optimal placement of the water balance tank

7. Frequency adjustment of the pump

8. Highly efficient low-temperature plate heat exchanger

9. LED Lighting

10. Water feature controls reduce expensive power peaks

11. Water level lowering reduces heat loss

12. Draining of outdoor whirlpools at night

13. Highly insulated pools prevent heat loss

*Specifications are non-binding and may differ depending on the respective conditions

Maximum operating convenience



Ospa BlueControl® 5 Web

Discover the perfect control for maximum convenience and maximum operating reliability. The intelligent Ospa BlueControl® system fully automatically and precisely controls and monitors all functions of your swimming pool.

Water quality, water temperature, room climate, water features or lighting – with Ospa BlueControl® 5 Web, all of it is securely under your control. With our innovative solutions, you ensure that energy is saved and that all water values are in the green range.

Chlorine, pH, redox value and temperature are continually monitored by the system and automatically regulated on demand. Thanks to the fully automatic control of all functions, personnel expenses are extremely low. The water features can also be easily and intuitively controlled with the 7" touch screen with graphical user interface. Even complex lighting scenes or training programs for the Ospa PowerSwim counter-current system can be programmed in no time – including by smart phone or tablet, if you prefer.

Ospa BlueControl® 5 Web controls all energy saving functions of the system, ensuring maximum cost-effectiveness. In short: with Ospa control technology, you always have a handle on your wellness area.



Also available in silver front panel design.

Advantages +

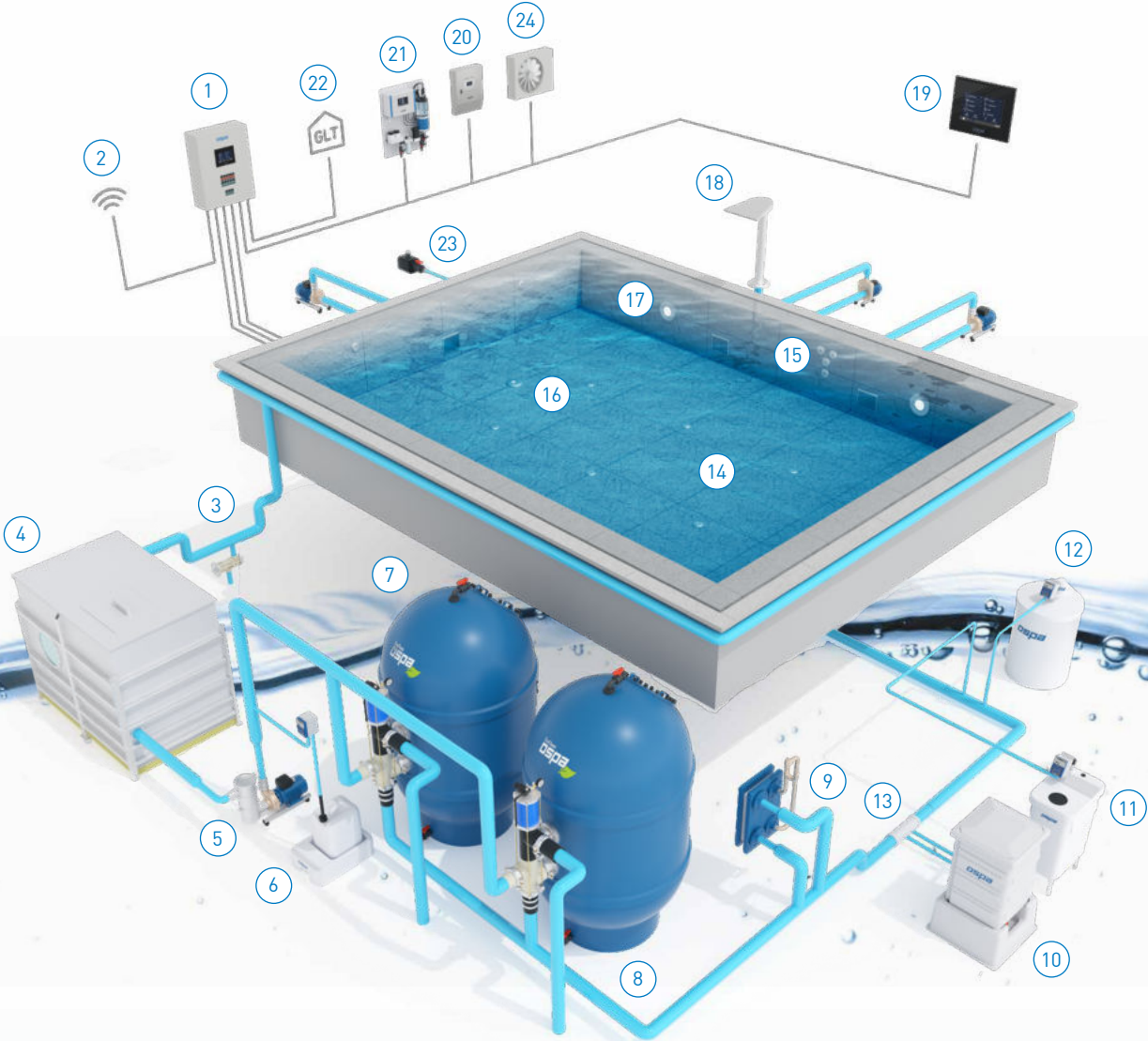
- Ospa bus technology
- Integrated web browser
- Interfaces for network and building control system technology
- Touch-screen control interface
- Simple and intuitive operation
- Multilingual menu navigation

Smart control



Ospa bus technology

Communication among the individual system components occurs via the swimming pool bus system developed by Ospa. All values and messages can also be transferred to central building control systems and transmitted to smart phones.



- | | | |
|--|---------------------------------|-----------------------------------|
| 1 Ospa BlueControl® control cabinet | 9 Plate heat exchanger | 17 LED RGB Lighting |
| 2 Ospa BlueCheck | 10 Ospa BlueClear® disinfection | 18 Neck surge |
| 3 Changeover valve for gutter cleaning | 11 Dosing system pH plus | 19 Ospa BlueControl® remote pilot |
| 4 Water balance tank with level electrodes | 12 Dosing system pH minus | 20 Ospa BlueClear® control unit |
| 5 Frequency-controlled circulation pump | 13 Injector with booster pump | 21 Measurement station |
| 6 Dosing system for flocculant | 14 Floor inlet nozzles | 22 Building control link |
| 7 Ospa EcoClean Filter 1 | 15 Massage station | 23 Measuring water pump |
| 8 Ospa EcoClean Filter 2 | 16 Wild spring or floor air jet | 24 Air handling unit |

Ospa BlueControl® control cabinet

The Ospa BlueControl® control cabinet is the control center of the entire technology of the swimming pool. All information comes together here.

Whether water treatment, lighting, climate control, pool cover or water features, all important functions and values of the system are automatically monitored and controlled. All electrical components are protectively housed in the connection-ready and factory-inspected Ospa control cabinet. This is professional and ensures a long service life.

Advantages

- Plug & Play: preconfigured and connection-ready
- Ospa bus technology
- Smart control functions ensure cost-effective operation
- Tested according to DIN VDE 660 and DIN EN 60204
- Easy and fast on-site installation

Ospa BlueControl® measurement station

The Ospa measurement station with touch screen display records all water values and forwards them to BlueControl® over the Ospa swimming pool bus. The Ospa measuring cell quickly and precisely determines the relevant values with its pH and redox electrodes, temperature sensor and Ospa 3-electrode chlorine measurement. In addition to the water testing set and the pH buffer solutions, the installation-ready wall panel provides space for the flow monitor, the inlet screen, and the shut-off valves and sampling instruments.



The Compact Solution for professionals



Ospa CompactControl® S

Consisting of the Ospa Compact control unit for pump and filter control as well as Ospa Compact measurement station for measuring and regulating.

Ospa CompactControl® S

The modern measurement, regulation and control technology for public swimming pools. Also for the easy modernization of existing systems.

With the Ospa CompactControl® S touch screen computer, free chlorine, pH value and redox potential, as well as water temperature, are displayed and automatically regulated. The zero-point stable, potentiostatic, 3-electrode chlorine measurement developed by Ospa, flow monitoring and reserve notifications for dosing containers, as well as alarm and fault

messages with notification texts are just some of the extensive functions of this innovative control system.

The connection-ready and factory-tested Ospa CompactControl® unit consists of the data logger and a control device for the filter. Depending on the control unit, the filter run times and backwashing times can be programmed for one or more filter systems.

Mobile freedom

Thanks to the integrated web server and the Ethernet interface, you can easily integrate your BlueControl® into your network and into building control technology. Operate your entire wellness oasis, the pool and hall lighting, air handling unit and all water features with great comfort. From the office, from reception, on the way through the back yard, directly at

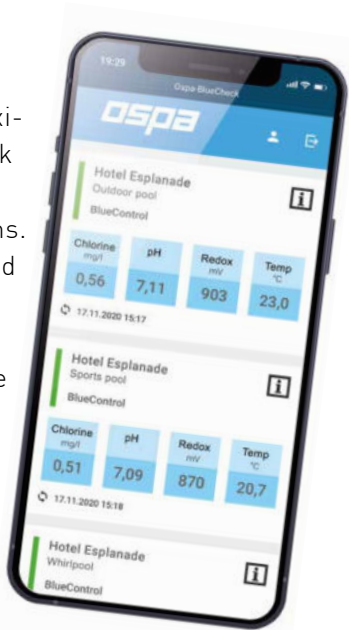
the pool, via tablet, smart phone or PC. A modbus RTU interface, a KNX interface or an OPC server for Windows-based control systems, as well as a Creston connection, are available for this purpose. Recordkeeping is carried out in accordance with DIN 19643-1 with comprehensive, automatic saving and archiving of data on a PC.



Ospa BlueCheck

Mobile and always up to date. The Ospa app for monitoring and remote control of your Ospa water treatment system: water parameters, reserve messages, fault messages and ventilation. With the possibility for remote access to water temperature, whirlpool control and system operation. Versions for pool operators, authorized Ospa Service partners and Ospa Factory Customer Service. While pool operators can monitor just their pool, Service partners and Ospa Factory Customer Service can manage all of their maintenance contract customers, with a quick overview of current messages. Additional messenger service via email or SMS.

Ospa BlueCheck provides maximum security for your network thanks to cloud-based, fire-wall-protected server solutions. Secure as a result of encrypted and password-protected data transfer. Conforms to the new EU Data Privacy Directive. The server is in the EU. Manufacturer and device-independent responsive design for PC, smart phone and tablet.



Uncompromising safety



Ospa EnergiePlus

Ospa BlueClear® disinfection systems are particularly economical since just salt is needed as an operating resource.

Ospa BlueClear® disinfection

High-quality chlorine-oxygen compounds with high disinfection and oxidation power: Ospa BlueClear® systems achieve a high redox potential and, consequently, a high rate of germ elimination.



Gentle disinfection from Ospa

With these systems, you are able to ideally meet the requirements according to DIN 19643. The systems generate high-quality chlorine-oxygen compounds with high disinfecting and oxidation power. Furthermore, Ospa BlueClear® systems achieve a high redox potential and, consequently, a high rate of germ elimination. The disinfectant content in the pool water is easily measurable.

Our decades of experience in the development and production of these reliable and well-engineered systems give you a guarantee of high operating reliability. There is no need for a stockpile of chlorine and

the related safety precautions. Just salt is required as an operating resource. With their special design, Ospa BlueClear® disinfection systems differ significantly from simple sodium hypochlorite electrolysis units.

Ospa BlueClear® systems operate safely, efficiently and conveniently. Hygienic, oxygen-rich as well as tasteless and odorless Ospa water will convince you.



A guarantee of quality: Ospa BlueClear® systems are inspected by the Ruhr District Institute of Hygiene in Gelsenkirchen. Disinfection performance: Excellent.

Ospa BlueClear® systems require just salt as an operating resource. This eliminates the need to handle and store dangerous disinfection chemicals.

Advantages

- Cost-effective operation thanks to just salt as operating resource
- No chlorine chamber as no storage of chlorine compounds is required
- Maximum safety, no handling of disinfectant chemicals
- Low personnel expense thanks to automatic regulation via Ospa BlueControl®
- The maximum in natural swimming pool water

Crystal-clear perfection



Ospa EcoClean DL multi-layer filtration systems

Thanks to its pressureless, fully automatic filter backwashing, the EcoClean DL filter series easily meets all of the requirements placed on a modern filtration system.



Hydroanthracite S reliably reduces trihalomethanes and combined chlorine. That means: no disruptive swimming pool odor



Ospa EnergiePlus



Our EcoClean filters operate especially energy-efficiently. Thanks to speed-controlled pumps and larger Ospa hydro-reversing valves, which provide for lower system resistance.

Ospa multi-layer filtration systems

Advantage No. 1 – Perfect Filtration: Organic contamination which can already be removed mechanically by filtration does not need to be resolved by chemical means. The high-quality filter material hydroanthracite S and the Ospa diffuser technology provide for optimal filtration and backwashing. As a result, less disinfectant is required and the content of combined chlorine in the swimming pool water is reduced.

Advantage No. 2 – Ospa Diffuser Technology: Not only filter material, granule size, layer height and filtration velocity determine the quality of a filtration system, but also the internal hydraulics – that is, the manner in which the water is conducted through the filter during filtration

and backwashing. Internal hydraulics are perfected with the Ospa diffuser technology. Specialized, ultra-fine water distributors tailored to the respective filter vessel provide for non-vortical impact on the filter surface. This is important for consistently good filtration quality. The calmer the filter surface, the better the filtration result. Scouring is prevented in connection with this.

With the Ospa diffuser technology, filter backwashing is more thorough. Despite that no material discharge occurs – not even at a backwashing velocity of 50 m/h. The filter material consists of adsorptive hydroanthracite S, filter quartz sand and three graded support layers made of filter quartz gravel.

Advantage No. 3 – Long Service Life: The stable Ospa polyester filter vessels are produced from multi-layered laminate using highly chemically stable resins and have the KSW inspection certificate.

As a result of the use of high-quality plastics for the diffuser system and for the pressurized water actuated, self-closing Ospa hydro-reversing valves, you are guaranteed the highest degree of corrosion resistance and mechanical durability.

For public pools, such as for hotel pools and clinic pools, filtration systems in accordance with DIN 19605 or the

equivalent are required. Ospa multi-layer filtration systems exceed even the requirements of DIN 19643 for water quality, under all tested operating conditions. Extensive tests by the Hygiene Institute of the Ruhr Region confirm this.

High Performance

Multi-layer filtration systems



Model 500



Model 800
EcoClean DL



Model 1000
EcoClean DL



Model 1250
EcoClean DL



Model 1600
EcoClean DL

	Output	Velocity
Max.:	10 m³/h	48 m/h
Acc. to DIN 19643:	6 m³/h	30 m/h

	Output	Velocity
	24 m³/h	48 m/h
	15 m³/h	30 m/h

	Output	Velocity
	36 m³/h	48 m/h
	24 m³/h	30 m/h

	Output	Velocity
	55 m³/h	48 m/h
	36 m³/h	30 m/h

	Output	Velocity
	96 m³/h	48 m/h
	60 m³/h	30 m/h

Eco Valves

Energy efficiency is part of our philosophy. This is also the case with EcoClean filtration systems from Ospa. With the innovative Ospa hydro-reversing valve, the system resistance can be significantly reduced, saving substantial energy.

The valve consists of highly resistant materials and serves for fully automatic filter backwashing. It is mains water actuated and self-closing in case of power failure or pressure drop. This provides the greatest operational reliability.

Country-specific designs:

Separate standards and regulations apply in every country. Project-specific design and production enables special versioning.

Ospa filter systems always conform to country-specific standards and regulations.



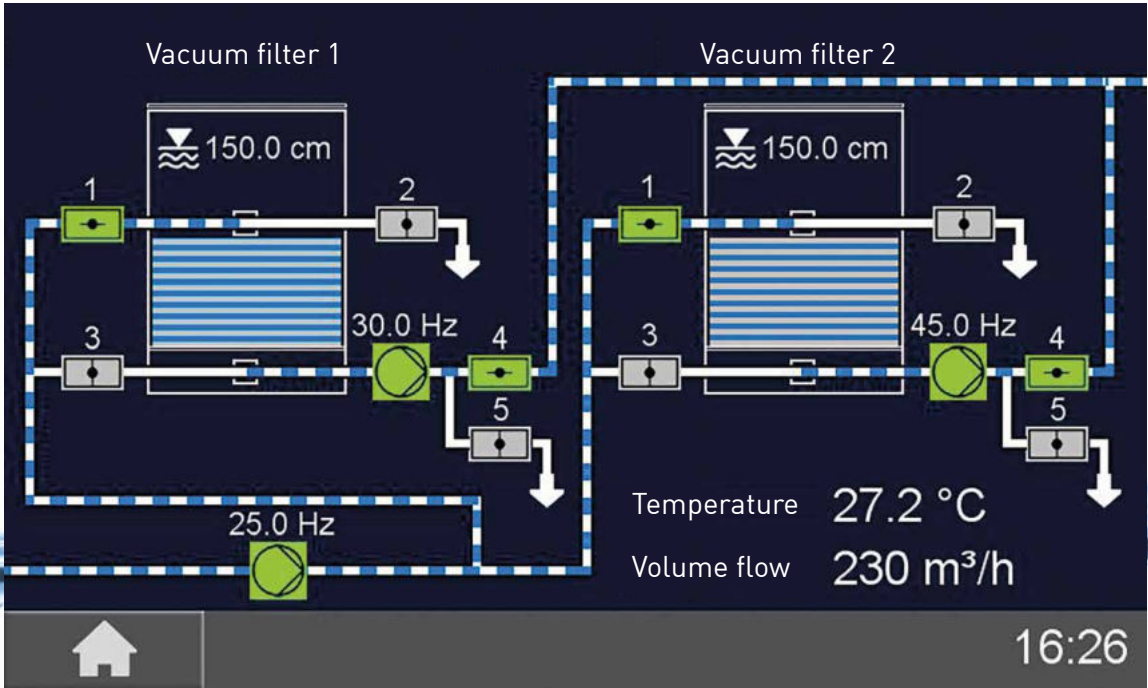
Ospa filter pumps with frequency converter

Ospa filter pumps are characterized by robustness and great corrosion resistance. We produce the large-volumed pre-filters with perforated basket from stainless steel, the pump housings and impellers are made of red brass and bronze.

Advantages

- Consistently maximum water quality thanks to the high-quality Ospa hydroanthracite S filter material and specialized Ospa diffusor technology
- Lower costs due to optimized filtration and speed-controlled pumps
- Reduced disinfectant consumption
- Long service life and high-durability thanks to the use of high-quality materials for all system components

Vacuum Filtration reinvented



Digital process visualization on the touchscreen of the control computer for 2 Ospa vacuum filters

Advantages

- Comfortable:** Ospa vacuum filter systems operate fully automatically and reliably, saving time
- Cost-effective:** robust, durable, energy-efficient
- Environmentally conservative:** low power consumption, water and resource conservative
- Economical:** reduces operating costs as well as main-tenance and repair costs; no separate backwashing pump required
- Corrosion-resistant:** made of polypropylene (PPh)
- Space-saving:** Ospa vacuum filter systems require up to 30% less space than comparable pressure filters
- Hygienic:** discharge of first filtrate
- Safe:** safety overflow in water balance tank
- DIN-compliant:** meets the standards DIN 19605 and 19643

Modern, economical, convenient

The completely redesigned Ospa vacuum filters are ideal for new construction and renovation of commu-nity swimming pools. They are consistently designed for economic operation and maximum energy efficiency. By scaling multiple systems, even larger water areas can be cost-effectively operated.

High reliability and maximum convenience

Vacuum filter technology from Ospa is substantially more reliable and energy efficient than other solu-tions, thanks to Ospa BlueControl® filter control. It also provides for maximum convenience. As a result of the latest control technology, Ospa vacuum filter sys-tems are fully automatic and networkable. Connects to building automation technology via common interfaces such as Modbus-RTU, for example.

Ospa multi-layer filter technology

Ospa vacuum filters are operated as multi-layer fil-ters. Hydroanthracite S in the 0.6–1.6 mm particle size group and filter quartz sand in the 0.4–0.8 mm particle size group as well as supporting layers with varying grain size are used as filter layers. Properties sim-ilar to those of activated carbon are achieved by the specialized Ospa hydroanthracite S. As a result, Ospa vacuum filters are able to reduce combined chlorine and other organic chlorine compounds, such as THM and AOX.

More impressions

You can discover further details on Ospa vacuum filtration in the Ospa vacuum filter video on our homepage:

www.ospa.info/qr/ud/en



Powerful, clean and invitingly fresh

An Ospa whirlpool provides pure relaxation. Here, your guests can enjoy the full super whirling power of the body-encompassing Ospa whirl and massage system and leave stress behind in no time at all. The Ospa whirlpools are available in many color and shape variants. They are available as skimmer or overflow finished whirlpools, or they can be built in concrete on site entirely according to your desires and imagination.



Curacao Ü

Outside dimensions: approx. 2550 x 2550 mm, volume 1680 liters

With its open overflow channel, the Curacao Ü enables whirlpooling with a high water level. The high water level gives four people plenty of room to stretch out and relax. The seats are arranged diagonally in the corners.



Elba Ü

Outside dimensions: approx. 2530 x 2530 mm, volume 1450 liters

Pre-finished pool, suitable for installation in a corner, smaller dimensions allow for installation in smaller rooms. Space for 4-5 people, other colors available, air channel massage nozzles: 70.



Badenweiler Ü

Outside dimensions: approx. Ø 2830 mm, H: 1050 mm, volume 2020 liters, space for 5 people

Abano Ü

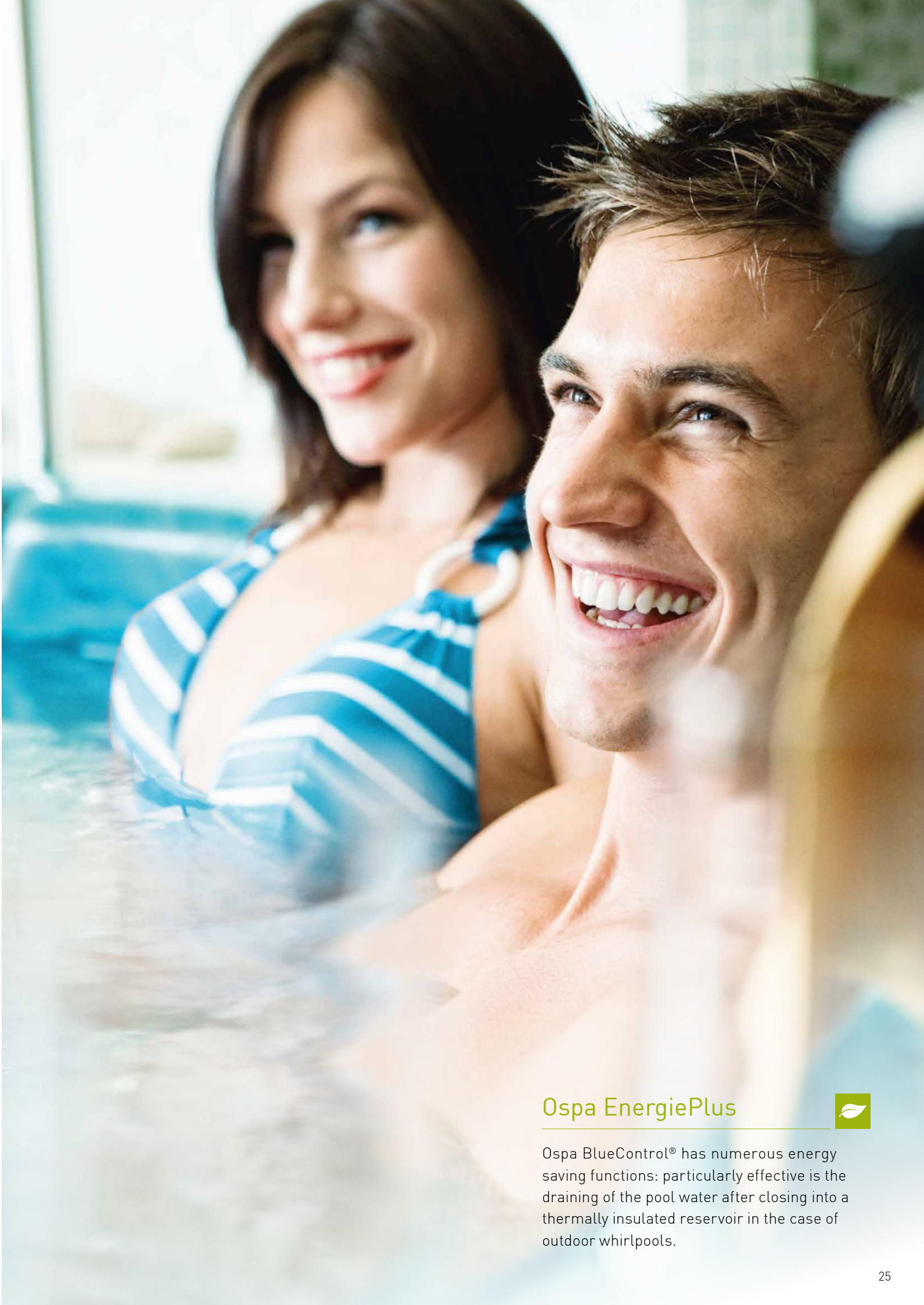
Outside dimensions: approx. Ø 2530 mm, H: 1050 mm, volume 1420 liters, space for 4 people

Installation-ready pool with comfortable, circumferential bench, air channel massage nozzles: 70, available in various colors.



Concreted whirlpool

A concreted whirlpool is the right choice for those seeking a unique design highlight. In order to make this exclusive wish a possibility, Ospa offers custom-produced air channel systems, massage nozzles and channel systems.

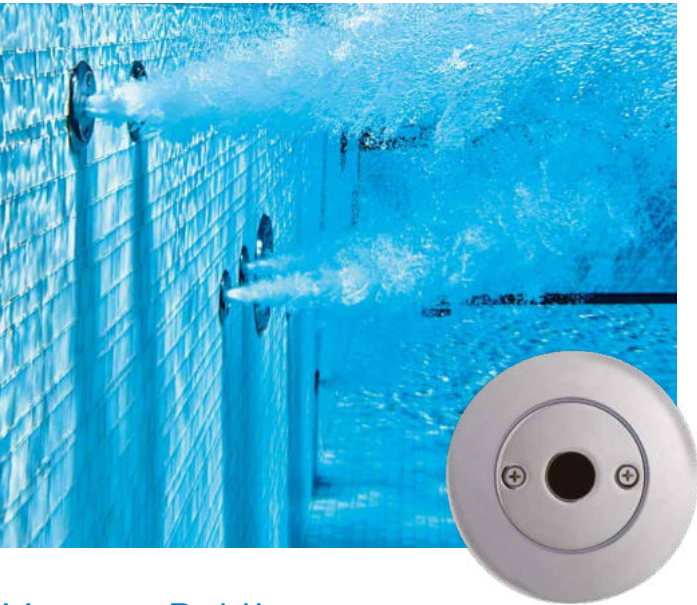


Ospa EnergiePlus



Ospa BlueControl® has numerous energy saving functions: particularly effective is the draining of the pool water after closing into a thermally insulated reservoir in the case of outdoor whirlpools.

Fitness, fun and vitality



MassagePublic

Pure relaxation through targeted massage of tight muscles with the massage jets embedded in the pool wall. These are operated by a single massage pump – which is also speed-controlled upon request. The air admixture provides for an especially intense massage experience.



Neck surge

Lively bathing fun with the power of water – and the right answer for the tense musculature in the shoulders and neck. You can choose from various designs.



LED underwater spotlight, 90 mm

New, energy-saving, white or RGB LED spotlights in the new Ospa DesignLine, without visible fastening screws, also as an installed component flush with tile and with optimized cooling management. Controlled via Ospa BlueControl® or Ospa ColorLight.



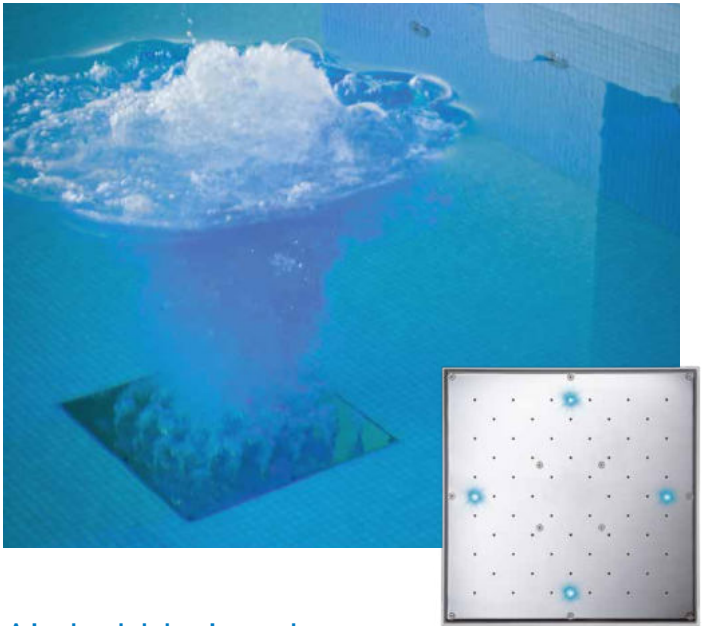
Waterfall

The power of the waterfall is soothing for tight shoulder and neck muscles. It is conveniently controlled via the illuminated Ospa Sensor button, which can also be attached underwater.



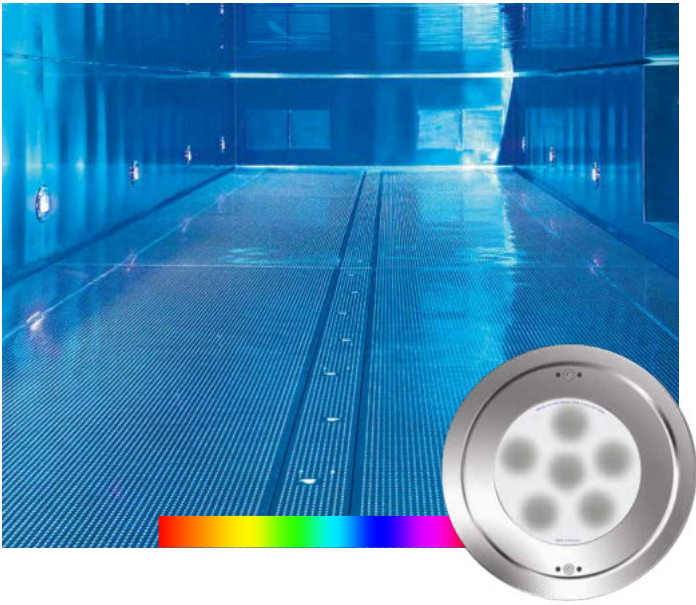
Air bubble lounger

Relax comfortably after athletic swimming on the air bubble lounger. Multiple systems with up to 3 recliners each can be integrated into the pool body.



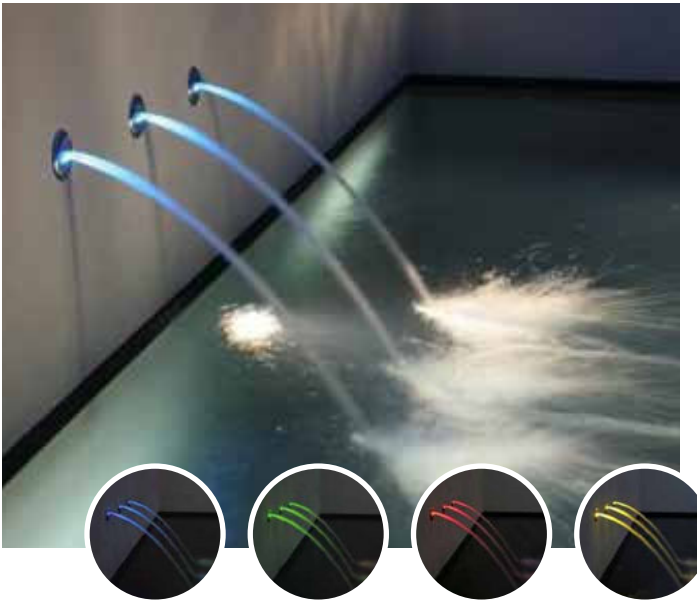
Air bubble jet plate

The boisterous air bubble current of an Ospa air bubble jet plate provides great bathing enjoyment. Optionally available with RGB lighting.



LED underwater spotlight

Ospa LED underwater spotlight, as an energy-saving white or RGB spotlight. The spotlight bezel is made from high-gloss polished V4A stainless steel (1.4571); controlled by Ospa BlueControl®.



ColorPoint

Integrated lighting with fiber optic technology makes Ospa ColorPoint a stimulating water feature. Colored, illuminated water babbles calmly out of the water jets. The number is freely selectable.

Mounting Parts and Accessories



Ospa reversing valve

Hydraulic three-way reversing valve made of plastic, with upstream control magnetic valve. Self-closing via return springs in case of power failure or pressure drop.



Ospa channel drains

Made of PVC, for installation in the overflow channel, with elastic wall collar. Drain pipe, DN 70 or DN 100, angled 45° or vertical. Also in flange design.



Ospa inlet jets and inlet nozzles

Jet inlets (4 or 6-jet) and inlet nozzles: round or square. All bezels are available in white PVC or V4A stainless steel, and in a flat design.



Ospa wall feed-through pipes

Wall feedthrough pipes, UNI-K Rp 2 from BZ, length 24 or 30 cm with wide seal/adhesive flange. Also for exposed concrete pools.



Ospa floor inlet angle

Rp 2 floor inlet angle for vertical flow, BZ, for 24 cm concrete floor plate. Also available in adhesive flange design.



Ospa floor drain U

Universal. For lined or prefabricated pools with flange set, red brass. Anti-vortex cover made of V4A polished stainless steel.



Ospa wild spring

For everyone who loves moving water and floating on water jets. Powerful water shoots upward out of a jet in the pool floor in a wide current and breaks over the surface like a wave.



Ospa underwater loudspeaker

A special kind of wellness experience: music and speech under water. Makes swimming and underwater gymnastics entertaining and even more intensive.



Ospa photoanalyzer DPD

Microprocessor-controlled photoanalyzer for determining free chlorine, total chlorine and pH value, including measuring implements for testing acid capacity and total hardness. (1, 2)



Ospa pH minus
Ospa KH/pH plus

Powdery, fully soluble preparation for reducing the pH value or raising the pH value or carbonate hardness. Package size: pH minus (1) 6 kg and 18 kg, KH/pH plus 6.5 and 18 kg.



Ospa flocculant

Rapid flocculation is its great strength. Because it is liquid and is used undiluted, a uniform dosing concentration is additionally ensured. 25-liter canister.



Ospa-Rein-Extra

Liquid detergent. It also removes lime, manganese and iron deposits and causes no damage to stainless steel, tiles, grout or concrete. Contains no phosphorous or hydrochloric acid. Biodegradable. 6×1 kg bottles.(1)



Ospa dosing system for flocculant

Subframe with catch pan, electronically controlled membrane dosing pump with stroke and frequency regulation as well as automatic deactivation when canister is empty. Also available with reserve signal.



Ospa dosing units for pH corrector

Microprocessor controlled membrane dosing pump with stroke and frequency regulation as well as automatic deactivation when dosing container is empty. Also available with reserve signal. Container with 120 l volume.



Ospa pool water heater

For connection to central hot water heating. Heat exchanger with stainless steel housing and ribbed pipe heating bundle made of specialized alloy for optimal thermal transfer. Available with/without pump control or valve control as desired.



Ospa plate heat exchanger

Bolted plate heat exchanger made of stainless steel or titanium with profiled heat exchanger plates. Flow direction of plates in counter-current. Range of application for low temperature heaters and heat pumps.

Ospa Base-S cleaning agent mixing system

Easily produce your floor cleaning agent yourself – cost-effective, environmentally safe and on site. The result: a mild, alkaline cleaning agent for contaminants and greasy deposits on tile floors, for swimming pools and sanitary facilities. (2)

Ospa PP water balance tank

Container made of polypropylene plate material with reinforcement frame and insulated floor, customized to size and produced in accordance with structural prerequisites according to DVS guideline. With large inspection opening, connections and residual drainage.

Control package for water balance tank, 4 level electrodes and magnetic fresh water valve, shut-off valve and dirt trap.



! = (2)





PURMONTES Private Luxury Chateau, Italy Photo: Harald Wishtaler

More than **68,000** references **Made in Germany**
Pioneer in the swimming pool industry **Experi-**
ence since **1929** One of the **leading manufac-**
turers of swimming pool treatment systems **Sys-**
tem supplier Everything from one **source**
Constant **research** and **development** More than
190 employees **Factory customer service**
Partner companies **worldwide** Expert **advice**

○ Ospa consultants ● Foreign partners

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