

ASENHURT EXPORT Swimming mol swimming mol technique 2014/2015





We invite you to explore our catalog of Pool Technique.

We present you next edition of the catalog of swimming pool technique, where you can find almost everything what you need to build and equip the pool. The catalog has been published since 14 years and our 20-years experience allows us to offer you the best products and solutions. The wide selection allows you to the beneficial configuration of the elements which will suit to your needs and capabilities. In this catalog you will find a wide range of goods from which everyone can choose something for themselves. For all products are offered spare parts. Are offered only tested, the best devices, both of those cheaper as well as from more expensive. You must have a choice, because there are many dilemmas, but the choice is one. At the present time, especially when everyone looks only at the price, we would like to encourage you to more thorough analysis of the received offers. To your choice were conscious and apt, it should be performed taking into account a variety of factors, not only the price. The rule is simple: cheaper goods, worse goods. About this conservatively simple rule need to remember selecting the products. You have to penetrate into to essence of the product, its detailed and positive features. Having such full knowledge you can compare. It is always worth to rely on the knowledge and long standing experience of our company. The employees of our company will bring closer, explain and propose the best products and solutions corresponding to your expectations and budget.

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In the catalog you will find goods of the following companies and brands:

Tebas Basen Hurt Bunger&Frese Rainbow AllFit FitStar Speck Pumpen IML Renolit Peraqua IBG Flexinox Fluidra MKT Coraplax Kripsol and others



In this catalog were used images with the permission and knowledge of the above-mentioned companies.



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Round steel pools

Perfect swimming pools for the gardens and inside the house. Simple construction, fast installation, which you can do by yourself, long-term usage, round shape, low installation costs are advantages of these pools, that determine the choice of these pools by many people. The pool is placed on a hard, flat, leveled floor. The wall is mounted on the upper and lower profiles. Is connected together with special aluminum profile. The inside is lined with blue PCV liner. It gives the color of the water. The liner can also be ordered in other colors. The liner is equipped with a special roller, which is mounted in the profile mounted on the wall of the pool.

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This allows the exchange of the liner in the future, there is no need to remove stones located on the edge of the pool. Durability of the pool wall, depending on the amount of the groundwater in the year, is 15-20 years.

Durability of the liner, depending on the type and amount of used chemicals, is 8-12 years.

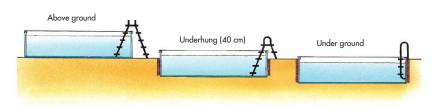
The set consists: steel wall made of sheet, protected by dip galvanized and covered with plastic, lower and upper profiles, blue liner PCV 0,6mm.

Each steel pool must be equipped with sand filter with pump, skimmer, nozzles and lighting.

It is worth to enrich your pool with heating, automatic chemical dosing, coping stones, massage system, water attractions, pool cover, robotic pool cleaner.

These elements can be found in the rest of our catalog.

Ways of installation



Round steel pools

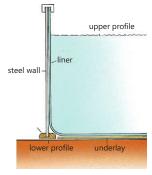
Diam. (m)	Code 120cm	Vol. (m³)	Code 150 cm	Vol. (m³)
3,0	17110	8	040305	10
3,5	17112	11	17130	14
4,2	17114	15	17132	19
4,5	17116	19	17134	24
5,0	17118	22	17136	28
5,5	17120	26	17138	33
6,0	17122	31	17140	39
7,0	040030	42	040330	53

Accessories

Underlay for liner 1 m ²	- code 16050
Liner repair kit	- code 16070



Finished pool



Review of the pool



The way of mounting the liner

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Oblong steel pools

Dimensions (cm)	Code 120 cm	Vol.(m³)	Code 150 cm	Vol.(m³)
250 x 500	18350	12	18380	15
300 x 570	18352	16	18382	20
300 x 700	18356	20	18385	26
350 x 620	18359	20	18388	26
350 x 750	18363	25	18390	32
360 x 630	18360	21	18391	27
400 x 800	18366	30	18392	39
420 x 820	18368	32	18395	42
420 x 950	18370	38	18396	49
500 x 900	18372	42	18398	53
500 x 1.030	18374	46	18400	62



Octal steel pools

Dimensions (cm) szer. x dług.	120 cm Kod	Poj. w m³	150 cm Kod	Poj. w m³
320 x 525 cm	17800	15	17850	19
350 x 540 cm	17805	17	17855	22
360 x 625 cm	17810	20	17860	26
420 x 650 cm	17815	17	17865	29
460 x 725 cm	17820	24	17870	31
500 x 770 cm	17825	34	17875	44
500 x 855 cm	17830	38	17880	49
600 x 920 cm			17882	63













SWIMMING POOLS

Wooden pools Tebas NATURA

Just like your house roof design, you can choose the pool made of the same material. The NATURA pool with good maintenance of wooden wall, the same as the other garden accessories, serves you for many years. Tebas Natura pools are a perfect complement to your garden landscape. Radiate the harmony of perfectly shaped pool. The natural beauty of the wood and pure water will provide you complete relaxation and rejuvenation. The simplicity of the form in combination with the nature, create a wonderful atmosphere of the bath. Tebas Natura pools are made from natural and ecological materials. Your Natura pool is a proof of your good taste and favorable approach to the environmental problems. Created by proffesionals, complete sets of Natura pools are ready to use immediately after installation.

NATURA OCTA



- * At any time, you can easily dismantle the pool and move to another location
- * Not disfigures a garden such as plastic construction
- * Pool created by proffesionals
- * Made from ECO-FRIENDLY materials
- * Sturdy wood construction made of pressure-impregnated monoblocks
- * The pool can be placed on the ground or dig to any depth
- * Wood can be painted in any color or clearcoat, preserving the natural texture of wood
- * All pools are offered with complete equipment enabling the use of the pool immediately after installation

Poolpackage of Tebas NATURA includes: PVC profile for mount liner insert, miniskimmer, ladder + flanges, filter + pump, inlet nozzles, hose unions, quartz sand, wooden structure, liner insert, vlies, masking frame for miniskimmer, suction hoses, clamps, wood screws. Optional - wooden chest for filtering system.

Wooden pools Tebas NATURA - poolpackages

name of the product	code	name of the product	code
Tebas NATURA HEXA, external dim. 434x376x116 mm Tebas NATURA OCTA Mini,	tebHEXA	Tebas NATURA LONG Mini, external dim. 563x352x124 mm Tebas NATURA LONG Standard,	tebLONGMi
external dim. 537x496x116 mm Tebas NATURA OCTA Standard,	tebOCTAMi	external dim. 727x396x138 mm	tebLONGSt
external dim. 560x517x129 mm	tebOCTASt	Tebas NATURA LONG Maxi, external dim. 814x460x138 mm	tebLONGMa
Tebas NATURA OCTA Maxi,			
external dim. 616x569x129 mm	tebOCTAMa		

Wooden structures (without equipment) are also available, on request.



NATURA LONG

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Concrete panel pools

Here comes the slow end of the era of molded concrete pools. Today comes a new time for panel concrete pools. The concrete panel pools is a new technology allows to build a swimming pool in a reasonable manner. Complete pool walls are delivered, with height of 150 cm, which allow to create a pool at any size. Depth can be freely adjusted via pool bottom. Elements of the wall have to be placed on a stable surface, which can be a concrete floor, paving stones, concrete slabs, sand with cement or ground. The walls are connected together by screws and are anchored to the substrate that must have the dimensions larger of 60 cm on each side, than the dimensions of the pool.

Advantages of concrete panel pools:

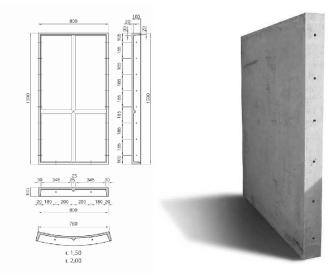
- low cost of executing the pool walls
- reduce the time of building pool walls up to 1 day
- no need of plastering, because the panel has perfectly smooth surface
- durability of the elements is the same like in traditional concrete pools
- perfect precision and accuracy of the walls
- availability of ideally made curves with radius of 1,5 or 2 m
- possibility of placing elements on the ground
- low transport costs for ex. pool 4x8 m delivery on 4 pallets



Walls inside can be covered liner, mosaic or tiles as well as in the traditional pool.

Concrete panel, straight, length 80 x height 150 cm - code 15800 Concrete panel, curve with radius of 1,5 m- code 15802 Concrete panel, curve with radius of 2 m - code 15804 Transport of concrete panels - code 15806





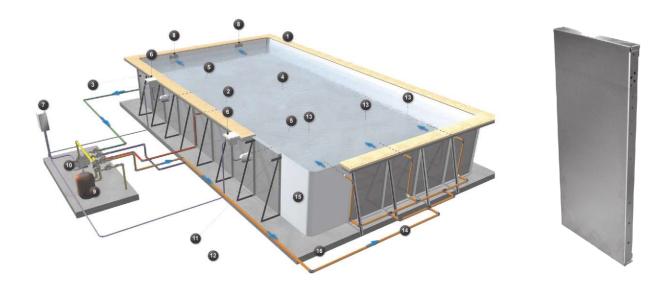


SWIMMING POOLS

Steel panel pools ORION

The ORION pools is a new generation of pools manufactured in Europe in accordance with EN 10346. The pool is created with a unique steel panel with thickness of 2 mm, covered with a special double galvanic layer of zinc and aluminium 750/800 g/m2 + exceptional, patented magnesium layer named Spectron. This gives incredible resistance to corrosion, that is why the panels have a 30 years of warranty. Thanks to the most modern, fully automated manufacturing technology, developed in collaboration with a leading producent of solutions for airlines, the panel twice stronger and more durable was created in comparing with traditional methods. The Spectron layer works as a protective armor and secures structure of the panel on each side from the effects of salt, the oxidation process and aggressive chemicals such as chlorides and ammonia compounds. The steel panel is coated with the Spectron layer several times, in process of bathing in hot solution. The panels undergo rigorous tests, in according to the norms ISO EN 3497, EN 2808, EN 9227 and EN 4628. The advantage of ORION pool is also self-supporting construction, thanks to which you can overwhelm the pool with ground, remaining from the trench. Individual panels are placed on prepared concrete floor and are fixed to it with anchors and screwed together with bolts. The whole forms a stable structure ready to finish. The pool interior is covered with liner 0,75 mm, in the form of ready-made insert or with membrane 1,5 mm welded on site. The membranes assembled in ORION pool does not require a non-woven primer to the walls. The steel panel pool ORION is an inexpensive alternative for pools with post-galvanized constructions, stainless steel or polyester. The ORION pool can be easily dismantled at any time and moved to another location. The ORION pools are offered in several equipment versions and rectangular sizes, as a complete mount kits, that include: panels wit height of 1,4 mm, skimmer, nozzles, pump, filter with valve and sand, blue liner 0,75 mm, 3-steps ladder. It is worth to order also set of gutters, mounted to the pool wall, thanks to which you will put boundary stones without any problems. Another equipment have to be ordered separately.

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BASENHURT.com SWIMMING POOLS

Steel panel pools ORION

Complete pool is supplied with all necessary equipment, with economic depth of 140 cm, which allows to derive the same pleasure from use as a depth of 1,5 m and giving lower maintenance costs. The pool can modify to the traditional depth of 150 cm using an additional panel. In standard version the pool is offered with miniskimmer, filter Saturn with pump, 3-steps ladder, blue Alkorplan liner 0,75 mm. The set is offered without pipes and PVC fittings.

Name			
ORION			
pool dimensions	equipment version	code	
3x6 x 1,4	standard	orion100	
3x7 x 1,4	standard	orion103	
4x7 x 1,4	standard	orion106	
4x8 x 1,4	standard	orion109	
3x6 x 1,4	without equipment	orion112	
3x7 x 1,4	without equipment	orion113	
4x7 x 1,4	without equipment	orion114	
4x8 x 1,4	without equipment	orion115	

The set of gutters mounted to the pool wall, thanks to which you will put boundary stones without any problems.

name		code	name		code
pool	3x6	orion130	pool	4x7	orion132
	3x7	orion131		4x8	orion133

The ORION pool can also be easily configured with other elements of equipment in any pool dimensions.









SWIMMING POOLS

Steel panel pools wuth gutter

The ORION pools can be delivered with ready overflow gutter. The basic length of one gutter element is 2 lin.m and is mounted on 3 supports. The gutter is made from the same steel as the panel and is covered with PVC liner. Installation of swimming pool with overflow gutter is very easy. You just have to know dimensions of the pool and calculate its circumference, which will be the length of the overflow gutter.

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Steel gutter of ORION pool:

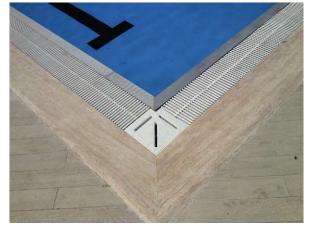
name overflow gutter of Orion pool, length 2 lin.m right corner of overflow gutter left corner of overflow gutter gutter support	code orion140 orion143 orion144 orion145	
Steel gutter with overflow tank of ORION pool:		
name	code	
gutter with overflow tank, length 11in.m	orion150	
gutter with overflow tank, length 0,5 lin.m	orion151	
support of gutter with overflow tank	orion152	
gutter end cap, right	orion153	
gutter end cap, left	orion154	
ORION pool - wall construction		

ORION pool – wall construction

name		code
ORION pool	3x6 x 1,4 without equipment	orion112
	3x7 x 1,4 without equipment	orion113
	4x7 x 1,4 without equipment	orion114
	4x8 x 1,4 without equipment	orion115

The ORION pool can also be easily configured with other elements of equipment in any pool dimensions.

name	code
steel panel ORION width 1 m, height 1,4 m	orion120
steel panel ORION width 0,5 m, height 1,4 m	orion121
steel panel ORION widht 0,25 m, height 1,4 m	orion122
panel support, height 1,4 m	orion123
corner ORION R15, height 1,4 m	orion124
corner connector R15	orion125
fastening screws 20 pcs./1 panel	orion126
anchoring bolts to the floor 5 pcs./1 panel	orion127
modifier of panel height of 10 cm	orion128
glue for anchoring bolts1pcs./25 bolts	orion129







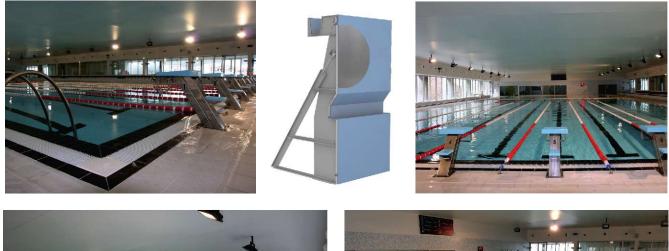
Steel public panel pools Dynamic

This technology grew out of the idea that the public pools can be functional, easy to install, inexpensive, provide maximum comfort, be competitive to traditional swimming pools, provide aesthetics and high quality finish. The structure of Dynamic pool is more affordable, efficient and environmentally friendly than traditional structures. It is an innovation developed and introduced to be an excellent alternative to traditional concrete construction and other prefabricated structures. The Dynamic pool it is a patented modular system of galvanized steel panels - Prima Steel - with thickness of 2 mm, tested and certified according to EN 9227. It is possible to build swimming pool to different purposes, such as olympic and semi-olympic pool, pool suitable for hotels, water parks, sport halls and many others. Our galvanization system is achieved by immersion the steel in hot chemical mixture of aluminium, zinc and magnesium. The excellent chemical metal coating composition, combined with the high thickness PVC coating, ensures a superficial layer that protects the panels against corrosion and long term wear in a much more efficient way than traditional galvanization processes. This new type of galvanization provides the best results in terms of corrosion resistance in aggressive environments and atmospheres with the presence of chlorides and ammonia.

The Dynamic pool can be delivered in the following depths:

0,80 m; 1,20 m; 1,40 m; 1,60 m; 1,80 m; 2,00 m. Mounted on the concrete floor. Here are some samples size of swimming pools. The set includes wall construction with gutter, Alkorplan liner, gutter grating, inlet nozzles, bottom drain.

Dimensions	depth	code	Dimensions	depth	code
10 m x 5 m	120 cm	dyn100	10 m x 5 m	200 cm	dyn105
15 m x 7 m	120 cm	dyn110	15 m x 7 m	200 cm	dyn115
25 m x 12,5 m	120 cm	dyn120	25 m x 12,5 m	200 cm	dyn125
50 m x 25 m	120 cm	dyn130	50 m x 25 m	200 cm	dyn135







SWIMMING POOLS

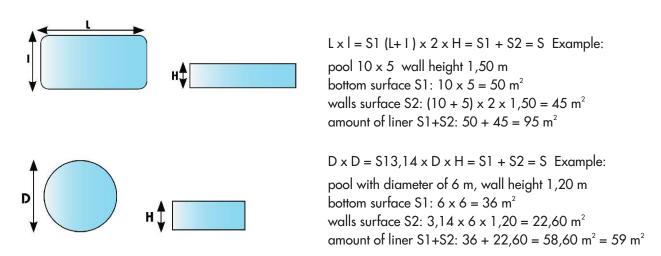
Alkorplan liner inserts

The liner insert can be used for 8-12 years. The liner inserts are delivered in size for a specific pool. The thickness of liner is 0,75 mm. The liner is equipped with a special roller, which is mounted in the profile suspended on the pool wall. Thanks to this solution during exchanging liner in the future there will no need to remove the stones located on the pool edge. The Alkorplan liners have 10-years of warranty for watertightness.

FXPNRT

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How many square meters you will need? Below you will find simply calculation:



PVC liners ALKORPLAN 2010 and 3010 for making ready inserts, color you can choose from Basenhurt sampler. Delivery up to 4 weeks, but you can use express delivery:

production within 48 h + delivery time 4-7 days. Require 50% deposit. Liner thickness 0,75 mm.

color	code					
1 blue	02002	Γ				
2 white	02003					
3 light blue	02004					
4 grey	02005	1	2	3	4	5
5 sand	02006	 _	_			
6 anthracite	02007					
7 green	02008					
transport	02012	6	7			
mount.profile	02040	0	/			

The insert (liner) for the pool can be also ordered from wide range of mosaic patterns - code 02010. They are made of Alkorplan Premium 3010 liner coated with 3 layers of lacquer for protection against stains caused by micro-organisms, migration of plasticizers and fungicides. These 3 layers ensure the maintenance of pattern on the liner in its original form, counteract the aging of the liner, protect against fungal attack.







Ocean de Luxe pool membranes

The first step to your perfect pool is a choice of pool membrane Ocean de Luxe. The manufacturer has 40 years of experience in the designing and technical production of swimming pool products. Ocean de Luxe is made of PVC reinforced with polyester fibers and coated a protective lacquer. Special materials used provide antibacterial finish. Thickness of the membrane is 1,5 mm and has the highest resistance to damage. The liner does not contain lead and cadium, rotprof, cold-resistance, UV-resistance, suitable for recycling. Individual strips are joined together by heat. The pool membrane Ocean de Luxe stands out among the other liners economics of using. Significantly reduces the cost of your swimming pool.



Ocean de Luxe pool membranes

Are subject to certificated validation of the national institute of normalization AFNOR methods according to norms: 1850-2, 1848-2, 1849-2, 12311-2, 12316-2, 12316-2, 1107-2, 495-2.

Available in the following widths and colors. Roll length 25 linear meter.

oll width color	
blue	069800
blue	069801
light blue	069802
light blue	069803
mosaic	069804
	blue blue light blue light blue

















Few membranes can be direct competition towards the Alkorplan membranes. Other membranes have their own market, the specific advantages and disadvantages. These are for example reasonably priced and quickly mounted. But durability leaves much to be desired. That is why, after 3-4 years you will want to change the membrane in your pool for Alkorplan. So it is worth to think about it right away and choose the Alkorplan with higher durability. Alkorplan 2000® and 3000® are a smoothed membranes made from plasticized polyvinyl chloride (PVC-P) with two layers of PVC and polyester insert. These membranes are suitable for all pools regardless of shape, type or size. The Alkorplan 2000® is covered with two acrylic layers and the Alkorplan 3000® has three layers. The membrane is composed of two PVC layers joined together by heat, between which is insert made from polyester fiber. The result is a 1,5 mm thick liner with unusual strength. Acrylic coated surface makes a great sealing.

Alkorplan 2000® and 3000® - accessories

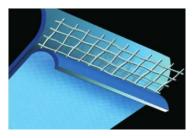
Name	Code	18.124
- solvent for weld filler	070040	All Contract
 underlay 300 g/m², stiff, impregnated 	070150	- States
- glue Alkorplus 5 kg for fixing underlay	070092	-
- steel sheet 1 x 2 m coated with PVC	070120	6
- angle steel 3 x 6 cm coated ext. PVC (1 linear meter)	070111	
- angle steel 5 x 5 cm coated int. PVC (1 linear meter)	070112	
- flat barwidth 5 cm coated with PVC (1 linear meter)	070110	
- aluminium mounting rivets 200 szt.	070100	
- blue silicone	070160	
- disinfectant for concrete walls 11/ for 75m ²	070044	a -

Weld filler (liquid liner) fulfills an important role in order to achieve greater tightness and nicer appearance of connections.

color	code	color	code
blue	070050	sand	070057
light blue	070052	platinum	070056
white	070054	light grey	070059
green	070053	dark grey	070051
transparent	070055	black	070058









Alkorplan 2000® and 3000®

The mounting diagram of the Alkorplan

Mounting of the membrane is directly on-site. It should be done by a company having a certificate of an authorized contractor. Mounting the membrane requires skills and sense of aesthetics. Prior to installation, carefully clean the pool and quickly, check the walls and the bottom of the pool in terms of inequalities, which could be seen under the membrane. Before laying the membrane, the concrete surface of the pool should be disinfected using the product code 070044. Before the fixing the membrane in the pool you must place the fleece

(underlay), code 070150. The fleece should be cut to size and then glued to the bottom and walls. To do this, use a glue called Alkorplus. At this stage, the fixing profiles are mounted. The Alkorplan membrane is welded with hot air, so as to form a homogeneous, water-proof surface.

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Stair membranes

Stair membranes with non-slip surface is available in rolls of a width 165 cm.

color	code
Persia blue	070028
Carrara	070029
light mosaic	070030
blue	070031
light blue	070032
green	070033
white	070035
sand	070038





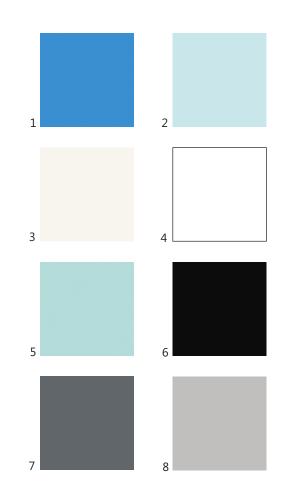
SWIMMING POOLS

Alkorplan 2000®

Monochrome Alkorplan 2000® membranes are covered with two layers of protective coating of acrylic. Ennobled and unique acrylic coating gives the structure of the membrane increased resistance to dirt, color durability, long-lasting flexibility and UV protection. Thanks to this, produced by calendering, Alkorplan membrane has no barriers in use. Is suitable for pools of any shape and form, as well as for various type of pools: private, public, hotel. Also suitable for use in saline pools. Can be successfully combined with several colors, by using the wide range, so as to your pool suit your expectations.

EXPORT

width	color	code
165 cm	blue	069900
205 cm		069903
165 cm	light blue	069906
205 cm		069908
165 cm	sand	069909
205 cm		069910
165 cm	white	069912
205 cm		069915
165 cm	green	069917
205 cm		069919
165 cm	black	069954
165 cm	dark grey	069962
205 cm		069964
165 cm	light grey	069959
205 cm		069960



Available only whole rolls length 25 linear meter.





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Alkorplan 3000®

The world's only production technology allows the production of membranes covered with 3 layers of acrylic. Arises than Alkorplan 3000®, the membrane with a wide range of patterns. Innovative acrylic coating protects a unique colorful pattern, that is why can withstand the passage of time. This choice induce to decorate your pool in different ways. Use a special configurator. Incredibly in the pool presents itself the world's only PLATINUM membrane. Its luminous reflections give the water unprecendented effect.

width	color		code
165 cm	dark mosaic	1	069930
165 cm	light mosaic	2	069935
165 cm	Carrara	3	069940
165 cm	Persia blue	4	069945
165 cm	Persia sand	5	069948
165 cm	Marble classic	6	069950
165 cm	Platinum	7	069952
165 cm	grey mosaic	8	069937
165 cm	Provence	9	069958

Available only whole rolls length 25 linear meter.

	8	
lan 3000® TOUCH		

Alkorp

About this membrane can not be much to write. To learn something about it, you have to touch it.

A convex surface, not smooth, thickness of 2 mm, available in rolls with a width of 165 cm and length of 21 m.









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SWIMMING POOLS

FXPNRT

Boundary stones type "Gratonit"

Boundary stones are made of cold-resistant blend of natural stones and cement. The result of special treatment is the non-slip surface and the appearance of natural stone imitation.

Different colors are available. Shades may be slightly different depending on the batch.

Cover the surface with the boundary stones

The condition is equal surface of the edge of the pool, made of concrete, adapted for covering with the boundary stones. The stone shall not overhang more than 3 cm beyond the external edge of the pool.

Putting down the stones followed by using frost-resistant cement mortar or self-adhesive.

Keep in mind that both the substrate and the bounary stones should be well moistened with water.

Residues on the surface of the cement mortar wash immediately with water.

Grouting

For grouting, use widely available grouting mass for tiles or a blend of silica sand and white cement in the ratio of 1:1. The side edges of the stones should be treated the adhesive, in order to the grout between them will be more permanent.

Maintenance

For cleaning, use cleaning products and equipment for daily use, brushes and plenty of water.

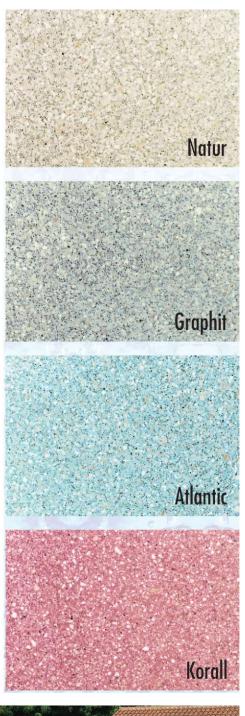
Caution, when using a high pressure cleaner!

Always perform the cleaning test!

To prevent the formation of algae and pollution because of leaves, Bacteria Coli, bird droppings etc., we recommend the fixation of the stone surface by covering with the special impregnation detergent.

Note: Do not use the product after using which, the surface will be smooth and after the moisture will result in slippage.

All materials used, must be frost-resistant and approved for outdoor use.





Boundary stones GRATONIT

Stones are used for finishing the edges of the pool. Perfectly made, anti-slip stones fulfill a decorative function. Available inf four colors:

natural, grey, blue, red.

Made of minced, natural material. Color of the stone is uniform. Boundary stones are unique finishing of the edge pool, adding elegance to it.

Through its uniform structure and color of the stones, sensationally harmonize with the water.

Additionally, contribute to the breaking waves.

To perform the joint between the stones, use the sand grout.

Coping stones GRATONIT, white color

Straight stone, white (width 290 x 495 mm)
White grout for coping stones, 20 kg
Internal corner, white (dim. 400 x 400 mm)
External corner, white (dim. 290 x 290 mm)

2,0 m

2,5 m

3,0 m

3,5 m

4,2 m

4,5 m

5,0 m

6,0 m

Rounded stone with a diameter:

Corner	GRATONIT	for stairs
--------	----------	------------

- for Roman stairs with diameter 2 m, right
- for Roman stairs with diameter 2 m, left

- for Roman stairs with diameter 2,5 m, right - for Roman stairs with diameter 2,5 m, left
- for Roman stairs with diameter 3 m, right
- for Roman stairs with diameter 3 m, left

Boundary stones GRATONIT - colors: Graphit [grey], Atlantic [blue], Korall [red].





19902



SWIMMING POOLS

R com

19910

19911

19912

19914

19916

19917

19918

19919

code 19930

19931

19932

19933

FXPNRT









Boundary stones GOBI

35 years producent experience in the field of manfacturing pool stones. The leader in Europe in its sector in the swimming pool trade. The stones are made of mixture of a marble, cement and pigment. Resistant to high and very low temperatures. The innovative production technology, high-quality materials and perfect workmanship allow you to use the rim of the pool for many years. Thanks to its thickness, they are indestructible, there is no risk of breakage. Adjusting technology and production to the market and customer requirements puts our stones at the forefront both in Europe and in the world. The "Gobi" stones are characterized by high quality and modern design. From the detail, through design and ending on a high quality, these stones inspire trust and desire. One look is enough to make you wowed with them and wanted to have them. The "Gobi" stones are enjoying eyes calm and sunny warmth. The "Gobi" will create a unique look of your swimming pool, making a great atmosphere and perfect design. Both your pool and the whole garden can be a unique and exclusive place thanks to the "Gobi" stones, which provide a broad spectrum of designing the pool rim and the beach. The porous surface reduces the risk of slipping and facilitates water drainage.

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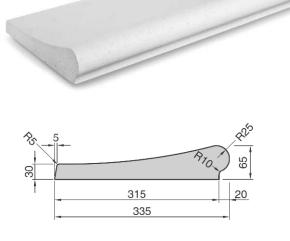
EXPORT

Available in our warehouse the GOBI stones are sand-colored the Mongolian desert.

name	code
Gobi stone, straight, sand, dim. 60 x 31,5 cm	19810
Gobi stone, internal corner straight, sand	19811
Gobi stone, external corner straight, sand	19812
Gobi stone, internal corner curved, sand	19814
Gobi stone, beach tile, dim. 49,5 x 49,5 x 3,5 cm	19813
Gobi stone, curve, sand, radius 1m	19815
Gobi stone, curve, sand, radius 1,25 m	19816
Gobi stone, curve, sand, radius 1,5 m	19817
Gobi stone, curve, sand, radius 1,75 m	19818
fugue Gobi sand	19819
transport of 1 palett of stones on order,	
without transport costs in Poland	19850









Boundary stones BORDO

The "Bordo" stones will create a unique look of your swimming pool, making a great atmosphere and perfect design. Anxious texture and specific spatial distribution of the stone grains causing that your pool and whole garden can be a unique and exclusive place with well designed pool rim. The porous surface of the "Bordo" stone reduces the risk of slipping and facilitates water drainage.

code name 19800 Bordo stone, straight, white dim. $60 \times 31,5$ cm Bordo stone, internal corner straight, white 19801 Bordo stone, external corner straight, white 19802 Bordo stone, beach tile, dim. 49,5 x 49,5 x 3,5 cm 19803 Bordo stone, beach tile, dim. 24,5 x 49,5 x 3,5 cm 19804 Bordo stone, curve, white, radius 1 m 19805 Bordo stone, curve, white, radius 1,25 m 19806 Bordo stone, curve, white, radius 1,5 m 19807 Bordo stone, curve, white, radius 1,75 m 19808 fugue Bordo white 19809 transport of 1 palett of stones on order 19850 The stones also available for radii from 2 to 5 m on order. On order BORDO stones can be delivered in colors: brick, pink and grey. Codes from 19855 to 19863. internal corner **Dimensions of the stones GOBI and BORDO:** straight 600 external corner beach tile









SWIMMING POOLS

Boundary stones CRYSTAL

Boundary stones CRYSTAL is a series for the most demanding. It is even more unique and special in terms of stones design with pieces of natural pearl shells from the beaches of the South Pacific. The Crystal Series gives your swimming pool elegant and refined look. The shell pieces beautifully reflecting in the rays of the sun, giving an eye-pleasing effect. Properly sandblasted surface prevents slipping. Your pool will be more beautiful than you can imagine. The Crystal Series will make your dreams a reality. Available on order in 3 color options.

EXPORT

Crystal	series	color	Artic
namo			

	code		code
straight, dim. 60 x 31,5 cm	19820	fugue Artic white 25 kg	19835
straight, dim. 30 x 31,5 cm	19821	angle radius 1 m	19826
internal corner straight	19822	angle radius 1,25 m	18827
external corner curved	19823	angle radius 1,5 m	19828
beach tile dim. 49,5 x 49,5 x 3,5 cm	19824	angle radius 1,75 m	19829
		transport of stones on order	19850
Crystal Series color Kalahari			
name	code	name	code
straight, dim. 60 x 31,5 cm	19830	fugue Kalahari sand 25 kg	19835
straight, dim 30 x 31,5 cm	19831	angle radius 1 m	19836
internal corner straight	19832	angle radius 1,25 m	19837
external corner curved	19833	angle radius 1,5 m	19838
beach tile dim. 49,5 x 49,5 x 3,5 cm	19834	angle radius 1,75 m	19839
		transport of stones on order	19850
Crystal Series color Tenerife			
name	code	name	code
straight, dim. 60 x 31,5 cm	19840	fugue Tenerife grey 25 kg	19845
straight, dim. 30 x 31,5 cm	19841	angle radius 1 m	19846
internal corner straight	19842	angle radius 1,25 m	19847
external corner curved	19843	angle radius 1,5 m	19848
beach tile		angle radius 1,75 m	19849
dim. 49,5 x 49,5 x 3,5 cm	19844	transport of stones on order	19850

Crystal Series color Artic Crystal Series color Kalahari Crystal Series color Tenerife





Beach tiles Woodstyle

Beach tiles Woodstyle imitating wood, well-made concrete slabs. Extremely resistant to climatic conditions and the pool water. Available in two colors wenge and oak, on request.

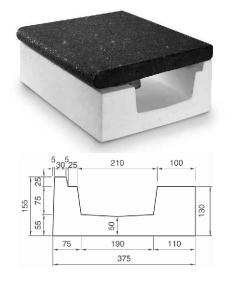
color wenge dim. 50 x 50 x 3,3 cm code 19864

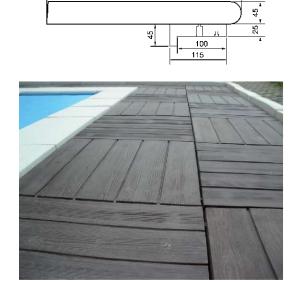
color oak dim. 50 x 50 x 3,3 cm code 19865

transport 1 pallet of stones code 19850

The gutter stones Laguna have two functions: cover the gutter and finish the pool rim. Available in colors: white, sand, brick, pink, grey and as the Crystal Series with natural shells, wonderfully sparkling in the sunshine. To the gutter stones a special gutter is dedicated, with ideal dimensions, for covering with liner or mosaic. The gutter stones are delivered on request.

name	code
gutter dedicated to gutter stones	19878
gutter stone Laguna, straight, white, dim. 50 x 40 cm	19866
gutter stone Laguna, internal corner straight, white	19867
gutter stone Laguna, external corner, white	19868
gutter stone, curved, white	19869
gutter stone Laguna, straight, color, dim. 50 x 40 cm	19870
gutter stone Laguna, straight, Crystal, dim. 50 x 40 cm	19874
transport of 1 pallet of stones	19850





395











ELEMENTS OF FOUNTAINS

Elements of fountains

You see, hear, feel – fountain is a delight for the senses, when spouting geysers touch your body. Fountain with SpringFit nozzles, spouting up to 20 meters, is something for you.

All housing are made of high-quality gun metal. The surface is sandblasted and provided with a varnish, so that there is very noble design.

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Technical data allows for selection of the pump, according to the desired height and strength of the stream, are in technical catalog, transmitted on request.

Geyser nozzles gives, regardless of the state of the water, narrow and foaming stream with cylindrical shape.



name	code		
Geyser nozzle 20	4800050		
Geyser nozzle 40	4800150		
Geyser nozzle 60	4800250		
Geyser nozzle 80	4800350		
Geyser nozzle 100	4800450		



Cascade nozzles stream coming out from wide base is like a sea welter.



name	code
Cascade nozzles 50	4820050
Cascade nozzles 70	4820150
Cascade nozzles 90	4820250
Cascade nozzles 110	4820350
Cascade nozzles 130	4820450



ELEMENTS OF FOUNTAINS



Elements of fountains

Comet nozzles are available in four diameters. Depending on the pump and the diameter of nozzles, you can reach the height up to 6 meters.

Connected together create pure and solid water stream. The ball joint allows to adjust the direction of the flow.





name		code
Comet nozzle	3-5	4823050
Comet nozzle	3-6	4823150
Comet nozzle	5-8	4823250
Comet nozzle	5-10	4823350
Comet nozzle	10-12	4823450
Comet nozzle	10-14	4823550
Comet nozzle	15-17	4823650
Comet nozzle	15-20	4823750

Finger Ray nozzles with spreading angle approx. 60°, provide precise, full streams, like finger coming out from the nozzle, creating an attractive fountain.

FXPNRT



Finger Ray nozzle 13-4 code 4822050





Finger Ray nozzle 25-4 code 4822150

Water distributor is useful if the user wants to connect several nozzles to the pump and keep the same amount of the water in each nozzle. It is available in diameters of 150 mm and 250 mm and connection dimensions G1" i G2". Thereby it is possible to connect up to 3 attractions to water distributor with diameter of 150 mm and up to 6 attractions to water distributors with diameter of 250 mm.



name	code
Ø 150, G2" I.T., 3 x G1" I.T.	4824050
Ø 150, G2" I.T., 3 x G1" I.T.	4824150
Ø 150, G2″ I.T., 3 x G2" I.T.	4824250
Ø 250, G2" I.T., 6 x G1" I.T.	4825350
Ø 250, G2" I.T., 6 x G1" I.T.	4825450
Ø 250, G2" I.T., 6 x G2″ I.T.	4825550

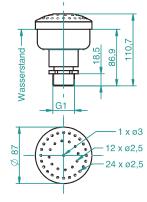


ELEMENTS OF FOUNTAINS

Elements of fountains

Volcano nozzle create streams disintegrating on the several levels. Streams are resitant to the wind. The group includes three nozzles with different number of outlets: 37 outlets with diameter of 2,5 mm, 19 or 43 outlets with diameter of 3 mm and two nozzles Multi with Comet nozzles mounted in the body. Vulcano nozzles can reach 4-meter height stream with diameter 3,2 meter, using a suitable pump.

EXPORT

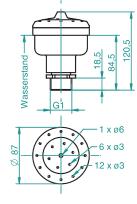




Vulcano nozzle 37-2,5 code

code 4821050

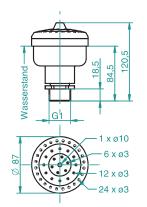




Vulcano nozzle 19-3



3 code 4821150



Vulcano nozzle 43-3



3 code 4821250



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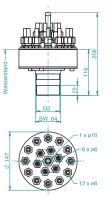


Elements of fountains





EXPORT

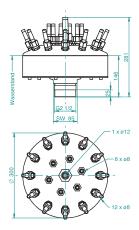


Vulcano nozzle 200/19-6

code 4821350







- Vulcano nozzle 300/19-8
- code 4821450

PLUG and PLAY designed to build a fountain fast and easy. Depending on the model there are 3 Cascades, 3 Geysers, 3 or 6 Comet nozzles. All are equipped with energy-efficient LED underwater spotlights. You have to connect only pump.

name	code
set of 3 nozzles and lights Comet 10-14	4900050
set of 6 nozzles and lights Comet 10-14	4900150
set of 3 nozzles and lights Geyser	4910050
set of 3 nozzles and lights Cascade	4910150
cable trasition for set of 3 nozzles and light	4920050
cable trasition for set of 6 nozzles and light	4920150
	set of 3 nozzles and lights Comet 10-14 set of 6 nozzles and lights Comet 10-14 set of 3 nozzles and lights Geyser set of 3 nozzles and lights Cascade cable trasition for set of 3 nozzles and light



Sand filters for the swimming pools

Water in the pool must be filtered. Without this will become cloudy and dirty. Various impurities, which are nutrient for micro-organisms, get into the water. They are removed from the water by filtration. Should be mounted sand filters. These only filter the water properly. Filtres are made of polyester or polyethylene. The best are made of polyester, because they are virtually indestructible. Filters, made of polyethylene undergo a deflection afer a few years and the filter tank is suitable for replacement. Sand filter has a special pump, which retrives the water from the pool. The water, after passing through the sand layer is pumped back into the pool. The quartz sand creates a filter cartridge in the respective fractions. The water gets into the filter through a system of pipes, constituting the connection between the pool and the filter. The water in the pipes flows relatively quickly, but through the layer of sand pushes relatively slowly with speed of 20-50 m/h. This value is different depending on the diameter of the filter tank and the pump. Impurities remain on the grains of sand and the water becomes fresh and pure as spring water. The filter

FILTERS

Com

FXPART

must be cleaned in the backwash process. Impurities are washed out of the sand and discharged into drain. The whole process takes up to 5 minutes. Filter classes:

PRESTIGE - the highest quality and durability. The best effect of filtration, collector laterals or collector plate with PVC nozzles, high filtration bed 1 m or 1,2 m.

PREMIUM - high quality. Good effect of filtration, collector laterals, filtration bed 60 - 70 cm.

STANDARD - good quality. Acceptable durability and effect of filtration, filtration bed of 40-60 cm.

PUBLIC - for public swimming pools.

EKO*FILTERS

They are characterized by a high layer of the sand bed with a minimum height of 1 meter, a collector laterals or with PVC nozzles. With such filters, mounted in the private pool, is achieved perfectly clean water. The pump size should be selected, so that the entire volume of the pool is filtered within 2 hours.

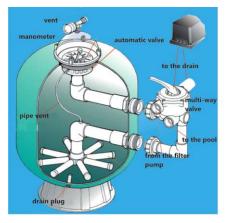
Cartridge filters

They are used for small pools. They do not need a large amount of water for rinsing.

Pool pumps

Filtering device are equipped only with the tested pumps, made specially for swimming pools. Housing are made of plastic, bronze or cast iron. Equipped with strainer tank (prefilter), which captures different, small elements to protect the impeller from damage. These are circulation pumps with different efficiency and dynamic head. All elements of the pumps are environmentally friendly and are suitable for recycling. Pumps have protection IP 54.







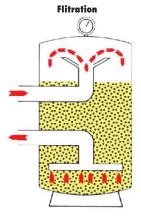




30



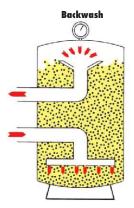




Filtration:

The water gets into the filter. At the top of the filter is a type of distributor. Now, the water is passed through the sand. Dirt remains on the grains of sand. Above the bottom of the filter tank is mounted collector laterals or collector plate with PVC nozzles. In the collector laterals there are small tubes with narrow slots, which ensure that the sand has been in the filter and clean water just flowed into the pool.

Backwash:



After setting 6-way valve in the right position, the water is passed through the slotted tubes from bottom to the filter. The sand is raised and mixing and the dirt can be separated from the grains of sand. All impurities flows into the drain through the upper divider. The filter is clean again.





Filter valves

Pre our filters are equipped with a manual 6-way valves. This valve can be replaced by an fully automatic 6-way back wash valve. In this case, the water level controller is necessary, because in the process of rinsing a few hundreds of water is poured into the drain an it has to add this amount immediately. Automatic valves enable backwash, even if the clock of the control box is currently set to turn the pump off.

Control boxes

Filtering installation usually works for 24 hours. This is not always necessary, often, even quiet hum of the pump can disturb at night. That is why, the filter should work with the control box. Built-in clock makes that the pump works only, when you wish. The control boxes also allow for connecting together several different devices, that their work is correlated. The boxes can have a built-in thermostat, which operates the heating in the pool. They allows you to turn off the filter for emptying time of the pump prefilter. With the control box you can synchronize work of multiple devices, by connecting to it: filter pump, pool heating, automatic filter valve, water level control for overflow collecting tank measurement and dosing devices, electronic water level control.





Filter Jupiter Poly AK – made in EU , Premium class

One of the best polyester filters on the market, Premium class, designed for swimming pools. Jupiter Poly AK is laminated filter made from polyester, reinforced with huge amount of fiberglass, which provides rigidity. The tank is mounted on the base. The cover with an admixture of fiberglass is screwed with stainless steel screws to the filter tank at the top. Outputs for 6-way valve are located at the side of the filter. Connects to them 6-way valve with internal threads using connections. Filtration bed depth is approx. 60 cm. The filter includes: collector laterals, 6-way valve with internal threads, cover with a diameter of 22 cm, pressure gauge, valve connections, manual purge valve. The filter can be mounted on the pools with salt water. Working pressure is 0,8-1,6 kg/cm. Maximum pressure is 2,0 kg/cm. Each filter is tested after manufacture with testing pressure 2,5 kg/cm. Recommended replacement of the sand every 1-2 years. Prior to installation, tighten the components inside the tank.

Filter Jupiter Poly AK - technical data

diameter	filtration	sand	for the pool	valve	flow	flow
in mm	area m²	kg	up to m³	inches	40 m/h	50 m/h
640	0,32	150	60	1 1⁄2″	12,8	16,0
760	0,45	225	75	2″	18,0	22,5
900	0,63	325	90	2″	25,2	31,5

All data can be modified without previous notice.

Filter Jupiter Poly AK with valve

diameter	code
640 mm	082000
760 mm	082005
900 mm	082010

Filter Jupiter Poly AK with pump and valve

The filter can be combined with any pump with a flow rate dedicated to appropriate diameter. Here are some good suggestions:

diameter	рц	ımp*		code	sc	and
640 mm	11 m³/h, 230V			082020	11	8150
				082022	11	8150
760 mm	20 m ³ /	′h, 230	V	082025	11	8260
	25 m³/	′h, 230	V	082027	11	8260
900 mm	25 m³/h, 400V			082030 11826		8265
	28 m³/	′h, 400	V	082033	11	8265
* flow rate o	f the pun	np given	at H=	8 m		
in mm	А	В	С	D	Е	F
Poly 640	315	440	860	640	458	300
Poly 760	365	505	900	760	605	300

900

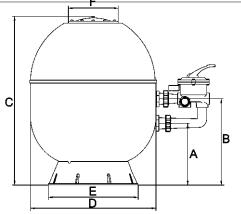
900

605

300

505





365

Poly 900



Filter Kripsol BR – made in EU, Premium class

The best polyester filter, Premium class, for swimming pools. Kripsol BR is laminated filter made from polyester reinforced with huge amount of fiberglass, which provides rigidity. The tank is made completely together with the base, so that has a uniform, strong construction, providing trouble-free operation for 15-20 year. Here, there is no increased working pressure, which may damage the filter. Polypropylene cover with fiberglass is screwed to the filter with screws. Operations on the 6-way side valve are made thanks to the connections without the fear of damage the filter tank, as is in the case of filters with a valve mounted on the top of tank. Filtration bed depth is approx. 60 cm. The filter includes: collector laterals, 6-way valve with internal threads, cover, pressure gauge, valve connections, manual purge valve. The filter can be mounted on the pools with salt water.

Working pressure is 0,8-,16 kg/cm. Maximum pressure is 2,0 kg/cm. Each filter is tested after manufacture with testing pressure 2,5 kg/cm. Recommended replacement of the sand every 1-2 years. Prior to installation, tighten the components inside the tank.

Filter Kripsol BR - technical data

diameter	filtration	sand	for the pool	valve	flow	flow
in mm	area		up to			
	m ²	kg	m ³	inches	40 m/h	50 m/h
450	0,16	75	35]1⁄2″	6,4	8,0
520	0,21	100	50]½″	8,4	10,5
640	0,32	150	60	11/2″	12,8	16,0
760	0,45	225	75	2″	18,0	22,5
900	0,63	325	90	2″	25,2	31,5

All data can be modified without previous notice.

Filter Kripsol BR with valve

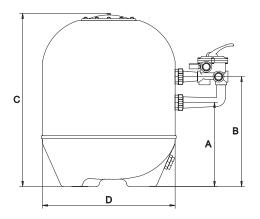
diameter	450 mm	520 mm	640 mm	760 mm	900 mm
code	03600	03630	03635	03640	03645

Filter Kripsol BR with pump and valve

The filter can be combined with any pump with a flow rate dedicated to appropriate diameter. Here are some good suggestions:

diameter	pump*				code	sand
450 mm	;	8 m³/h, 2	230V		03705	118050
520 mm	1	1 m³/h, 2	230V		03710	118100
640 mm	1	1 m³/h, 2	230V		03720	118150
	1.	4 m³/h, 2	230V		03725	118150
760 mm	2	0 m³/h, 2	230V		03726	118200
	2	0 m³/h, ₄	400V		03727	118200
900 mm	25 m³/h, 230V				03728	118250
	25 m³/h, 400V				03729	118250
	28 m³/h, 230V				03730	118250
	2	8 m³/h, ₄	400V		03731	118250
* flow rate of the pump given at H= 8 m						
in mm	450	520	640	760	900	
А	315	355	405	460	470	
В	440	480	530	600	610	
С	700	790	860	1020	1035	
D	450	520	640	760	900	









The best polyethylene filter, Extra class, for swimming pools. The filter tank is made from polyethylene. It consists of two parts joined together by solid clamp. These filter are suitable for all types of water, with the exception of salt water. Their advantage is easy access to the interior of the filter, when replacing sand. Simple, but solid construction guarantee work for many years.

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FILTERS

Filter Swim Tec - technical data

diameter in mm	filtration area in m ²	sand kg	for the pool up to in m ³	valve inches
400	0,13	50	35	11/2″
500	0,20	100	50] ½″
600	0,28	125	60] ½″

All data can be modified without previous notice.

Filter Swim Tec with valve

diameter	400 mm	500 mm	600 mm
code	01505	01525	01545

Filter Swim Tec with pump and valve

The filter can be combined with any pump with a flow rate dedicated to appropriate diameter. Here are some good suggestions:

diameter	pump*	code	sand
400 mm	6 m³/h, 230V	01510	157440
	8 m³/h, 230V	01515	157440
500 mm	11m³/h, 230V	01530	157445
600 mm	11 m³/h, 230V	01548	157450
	14 m³/h, 230V	01550	157450
pallet for filter and pump		212030	

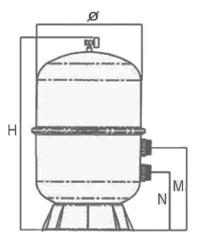
* flow rate of the pump given at H= 8 m

in mm	400	500	600
Н	315	355	405
Μ	440	480	530
Ν	700	790	860











Filter Saturn - Standard class, TEBAS product

The filter tank is made of polyethylene as one "casting". These filters are suitable for all types of swimming pools, with exception of salt water. The simple design and perfect technology production ensures work for many years. Recommended replacement of the sand every 1-2 years. These filter should be mounted basically close to the pool. Supplied always with pallet=base allows stable placing filter on any surface. The filter is ideal for small, garden pools. The 6-way valve allows you to perform all necessary maintenance easy at the tank filter, with simple operation of the valve handle. The top position of the valve and well-developed connection to the tank thanks to a solid clamp ensure comfortable operation and maintenance of the filter.





Filter Saturn - technical data

diameter	filtartion area	sand	for the pool	valve
in mm	in m ²	kg	up to in m ³	inches
406	0,13	50	35	$1 \frac{1}{2}''$
485	0,20	100	50	$1 \frac{1}{2}''$
610	0,28	150	60	$1^{1}/_{2}''$

All data can be modified without previous notice.

Filter Saturn with pallet without pump

The filter can be combined with any pump with a flow rate dedicated to appropriate diameter.

name code filter Saturn 406mm 081002 filter Saturn 485mm 081007 filter Saturn 610mm 081012

Filter Saturn with pump and pallet

Delivered in set includes pallet and pump. Connection pump-filter in set.

pump*	code	sand
8 m³/h	081017	118270
10 m³/h	081024	118280
13 m³/h	081029	118285
	8 m³/h 10 m³/h	8 m³/h 081017 10 m³/h 081024

*flow rate of the pump given at H= 8 m









Filter Sandy – made in EU, Standard class

The filter tank is made of polyethylene as one "casting". In the set is base, on which the pump is mounted and the filter tank. These filters are suitable for all types of swimming pools, with exception of salt water. The simple design ensures work for many years. The filter tank is placed on aesthetic base, so a set of the filter with the pump can be easily set on the floor and work of the unit will run properly. Recommended replacement of the sand every 1-2 years. These filter should be mounted basically close to the pool.

Filter Sandy - technical data

diameter	filtration	sand	for the pool	valve
in mm	area in m ²	kg	up to in m ^³	inches
300	0,07	25	20] ½″
380	0,11	40	28	11⁄2″
430	0,15	55	36	11/2″

All data can be modified without previous notice.

Filter Sandy with valve

diameter	300 mm	380 mm	430 mm
code	00470	00506	00485

Filter Sandy with pump and valve

The filter can be combined with any pump with a flow rate dedicated to appropriate diameter. Here are some good suggestions:

diameter	pump*	code	sand
300 mm	6 m³/h, 230V	00505	118268
380 mm	6 m³/h, 230V	00501	118270
430 mm	6 m³/h, 230V	00480	118270
	8 m³/h, 230V	00481	118270

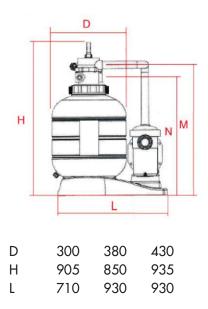
* flow rate of the pump given at H= 8 m



Sandy 300



Sandy 380 , 430









Filter San Sebastian Standard SSP – made in EU, Prestige class, collector plate with PVC nozzles, filtration bed 100 cm

Filter with collector plate with PVC nozzles, Prestige class. The filter tank is made of polyester, reinforced with fiberglass. It is recommended for the pool in halls. The height of the sand is 100 cm, which results in deep filtration. The advantage is the ability to use a layer of hydroanthracite. This layer binds aroma compounds. The difference between the standard filter an the multilayer filter you can literally feel in this case. Recommended replacement of the sand every 1-2 years. Filter is equipped in: collector plate with PVC nozzles, 6-way valve 2" with internal threads, cover, pressure gauge, valve connections, manual purge valve. The filter can be mounted on the pools with salt water. Working pressure is 0,5-1,6 kg/cm². Maksimum pressure is 2,0 kg/cm². Each filter is tested after manufacture with testing pressure 3,0 kg/cm². Prior to installation, tighten the components inside the tank.



Filter San Sebastian Standard SSP - technical data

diameter	filtration	sand	for the pool	valve	flov	v in m/ł	ו
in mm	area in m^2	kg	up to in m ³	inches	30	40	50
640	0,32	475	70	2″	9,6	12,8	16,0
760	0,45	650	90	2″	13,5	18 <i>,</i> 0	22,5
900	0,63	850	110	2″	18,9	25,2	31,5

Filter San Sebastian Standard SSP with valve

diameter	640 mm	760 mm	900 mm
code	119260	119275	119310

Filter San Sebastian Standard SSP z pump and valve

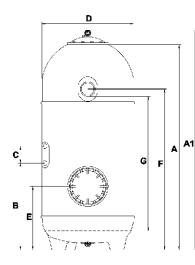
The filter can be combined with any pump with a flow rate dedicated to appropriate diameter. Here are some good suggestions:

				sand and
diameter	pump*	code	sand	hydroanthracite
640 mm	13 m³/h,230V	119162	119180	119181
	17 m³/h,230V	119166	119180	119181
760 mm	20 m³/h, 230V	119281	119184	119185
	20 m³/h, 400V	119283	119184	119185
	25 m³/h, 230V	119285	119184	119185
900 mm	20 m³/h, 400V	119315	119190	119192
	25 m³/h, 400V	119320	119190	119192
	30 m³/h, 400V	119325	119190	119192

*flow rate of the pump given at H= 8 m

D	А	A1	В	С	Е	F	G
640	1450	1550	600	140	460	1130	1000
760	1490	1600	600	140	510	1180	1000
900	1510	1610	590	140	500	1230	1000





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Filter Caribic Standard SSB - made in EU, Extra class, collector laterals, filtration bed 100 cm

Filter with collector laterals, Extra class. The filter tank is made of polyester, reinforced with fiberglass. It is recommended for the pool in halls. The height of the sand is 100 cm, which results in deep filtration. The advantage is the ability to use a layer of hydroanthracite. This layer binds aroma compounds. The difference between the standard filter an the multilayer filter you can literally feel in this case. Recommended replacement of the sand every 1-2 years. Filter is equipped in: collector laterals, 6-way valve 2" with internal threads, cover, pressure gauge, valve connections, manual purge valve. The filter can be mounted on the pools with salt water. Working pressure is 0,5-1,6 kg/cm². Maksimum pressure is 2,0 kg/cm². Each filter is tested after manufacture with testing pressure 3,0 kg/cm². Prior to installation, tighten the components inside the tank.

Filter Caribic Standard SSB - technical data

diameter	filtration	sand	for the pool	valve	flo	w in m/	h
in mm	area in m^2	kg	up to in m ³	inches	30	40	50
640	0,32	475	70	2″	9,6	12,8	16,0
760	0,45	650	90	2″	13,5	18 <i>,</i> 0	22,5
900	0,63	850	110	2″	18,9	25,2	31,5

Filter Caribic Standard SSB with valve

diameter	640 mm	760 mm	900 mm
code	119910	119920	119930

Filter Caribic Standard SSB with pump and valve

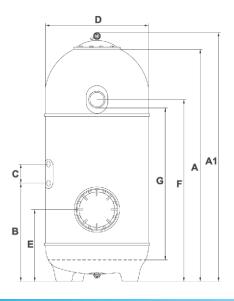
The filter can be combined with any pump with a flow rate dedicated to appropriate diameter. Here are some good suggestions:

diameter	pump*	code	sand	sand and
alameler	pomp	code	sunu	hydroanthracite
640 mm	13 m³/h, 230V	119914	119180	119181
	17 m³/h, 230V	119916	119180	119181
760 mm	20 m³/h, 230V	119922	119184	119185
	25 m³/h, 230V	119924	119184	119185
900 mm	25 m³/h, 400V	119932	119190	119192
	28 m³/h, 400V	119934	119190	119192

*flow rate of the pump given at H=8 m

D	А	A1	В	С	Е	F	G
640	1450	1550	600	140	460	1130	1000
760	1490	1600	600	140	510	1180	1000
900	1510	1610	590	140	500	1230	1000









Filter San Sebastian Standard SPL- made in EU, Public class, collector plate with PVC nozzles, filtration bed 120 cm

Filter with collector plate with PVC nozzles, Public class. The filter tank is made of polyester, reinforced with fiberglass. It is recommended for the pool in halls. The height of the sand is 120 cm, which results in deep filtration. The advantage is the ability to use a layer of hydroanthracite. This layer binds aroma compounds. The difference between the standard filter an the multilayer filter you can literally feel in this case. Recommended replacement of the sand every 2-3 years. Filter is equipped in: collector plate with PVC nozzles, 6-way valve 2" with internal threads, cover, pressure gauge, valve connections, manual purge valve. The filter can be mounted on the pools with salt water. Working pressure is 0,5-1,6 kg/cm². Maksimum pressure is 2,0 kg/cm². Each filter is tested after manufacture with testing pressure 3,0 kg/cm². Prior to installation, tighten the components inside the tank.

Filter San Sebastian Standard SPL - technical data

diameter	filtration	sand	for the pool	valve	flov	≈ in m/l	h
in mm	area in m^2	kg	up to in m ³	inches	30	40	50
640	0,32	525	70	2″	9,6	12,8	17,0
760	0,45	725	90	2″	13,5	18 <i>,</i> 0	22,5
900	0,63	1050	110	2″	18,9	25,2	31,5

All data can be modified without previous notice.

Filter San Sebastian Standard SPL with valve

diameter	640 mm	760 mm	900 mm
code	119940	119945	119950

Filter San Sebastian Standard SPL with pump and valve

The filter can be combined with any pump with a flow rate dedicated to appropriate diameter. Here are some good suggestions:

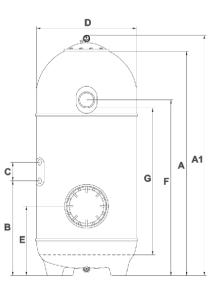
diameter	pump*	code	sand	sand and hydroanthracite
640 mm	13 m³/h, 230 V	118500	119200	119193
	17 m³/h, 230 V	118505	119200	119193
760 mm	15 m³/h, 230 V	118510	119202	119195
	15 m³/h, 400 V	119002	119202	119195
	20 m³/h, 230 V	119006	119202	119195
	20 m³/h, 400 V	119004	119202	119195
900 mm	20 m³/h, 400 V	119955	119204	119198
	25 m³/h, 400 V	119958	119204	119198
	28 m³/h, 400 V	119959	119204	119198

*flow rate of the pump given at H= 8 m

D	А	A1	В	С	Е	F	G	
640	1740	1800	780	140	550	1455	1200	
760	1740	1800	740	140	650	1455	1200	
900	1740	1800	740	140	650	1455	1200	









Filter Artic – made in EU, Public class

This filter is an economic choice, that costs of your pool will be lower. Equipped with collectors laterals, perfect for seasonal swimming pools, running in the summer. The height of sand is 1 m, top cover with diameter 400 mm with the 1" hole for automatic vent-valve. The cover is fixed with 14 screws to the tank. Two handles, built-in the tank, are useful for loading and unloading of the filter. Large bottom drain for easy emptying filter of the water and sand.

Filter Artic - technical data

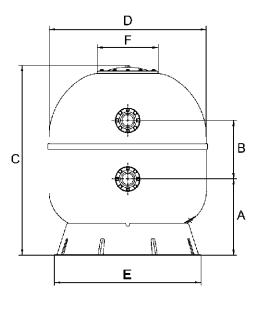
diameter	filtration	sand	connections		/ in m/ł	
in mm	area in m ²	kg	in mm	30	40	50
1050	0,86	875	75	17	25	34
1200	1,13	1475	90	22	33	45
1400	1,54	1900	110	30	46	61
1600	2,01	2800	110	40	60	80
1800	2,54	3400	125	50	76	101
2000	3,14	4175	140	62	94	125

All data can be modified without previous notice.

Filter Artic - tank with connections

diameter	1050 mm	1200 mm	1400 mm	1600 mm	1800 mm	2000 mm
code	185020	185025	185030	185035	185040	185045

The filter can be combined with any pump with a flow rate dedicated to appropriate diameter.



D	А	В	С	Е	F
1050	675	520	1685	950	540
1200	675	520	1685	950	540
1400	675	520	1685	1300	540
1600	675	520	1685	1300	540
1800	675	720	1900	1610	540
2000	675	720	1900	1610	540







Filter Altea SSP i SPL – made in EU, Public class, collector plate with PVC nozzles, filtration bed 120 cm

Filter with collector plate with PVC nozzles, Public class. The ALTEA 1200 is desinged for public swimming pools in the hotels and guest houses. It meets all of the requirements, which have to be fulfilled by the filter in the hotel swimming pool. The filter ALTEA is multi-layer, high-performance filter, made of the best resins reinforced with fiberglass It is resistant to the pool water including salt water. The exterior of the filter is laminated in red metallic. The diameter of the top cover is 220 mm, made as polypropylene pressure die-cast. The side cover with the diameter 400 mm is made of laminated polyester. The screws and nuts, that hold the cover are made of stainless steel A2. Two circular viewers for visual inspection the interior of the filter, placed at an angle of 90 degree. The height of the sand is 1,2 m. With its height of 1,97 cm filter ALTEA is suitable for all rooms. Model ALTEA APL has collector plate with PVC nozzles. The nozzles are screwed into and their diameter is 0,5 mm. Model ALTEA ABL has collector laterals. The slotted tubes are screwed into the collector. It can be mounted the battery of flap valves 90 mm or 6-way 3" manual valve.

Filter Altea - technical data

diameter	filtration	sand	connections	f	low in	m/h	
in mm	area in m ²	kg	in mm	20	30	40	50
1200	1,13	1950/2125	90	23	34	45	55

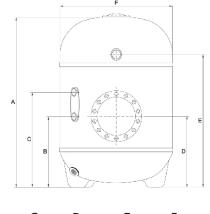
Filter Altea - tank with connections

Model	Code
Altea 1200 ABL collector laterals	119962
Altea 1200 APL collector plate with PVC nozzles	119960

The filter can be combined with any pump with a flow rate dedicated to appropriate diameter.

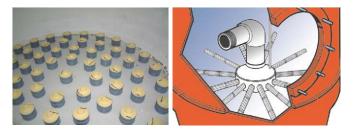
Sand and anthracite in the filter Altea

Altea 1200 ABL collector laterals	3.0-5.0 350 kg	1,0-2,0 350 kg 175 kg	0,4-0,8 1 <i>7</i> 75 kg 600 kg	anthracite 580 kg
Altea 1200 APL collector plate with PVC nozzles	 175 kg	175 kg 175 kg	1775 kg 600 kg	 580 kg



А	В	С	D	Е	F
1970	750	1000	850	1450	1650









Filter Nordic – made in EU, Public class

Multilayer filter for the public swimming pools made in accordance with DIN 19605 & 19643. Includes collector plate with PVC nozzles 0,5 mm, top and side manhole, viewer made of methacrylate, flanged connections, water drain, EPDM sealing, internal piping made of PVC and PP.

Filter Nordic - technical data

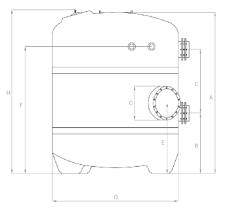
diameter	filtration	connections	flow in m/h			bed in kg	
in mm	area in m^2	in mm	30	3-5 mm	1-2 mm	0,4-0,8	anthracite
1050	0,86	110	25	125	125	475	425
1200	1,13	125	33	175	175	625	550
1400	1,54	140	46	225	225	850	750
1600	2,01	160	60	300	300	1125	975
1800	2,54	200	76	375	375	1425	1225
2000	3,14	225	94	475	475	1750	1525

All data can be modified without previous notice.

Filter Nordic - tank with connections

Diameter	code
1050 mm	ND10502
1200 mm	ND12002
1400 mm	ND14002
1600 mm	ND16002
1800 mm	ND18002
2000 mm	ND20002

The filter can be combined with any pump with a flow rate dedicated to appropriate diameter.



	DIM E NSIONS (mm.)							
MODEL ø	A	в	С	D	E	F	G	н
1050	2365	760	1015	1050	1120	1820	540	2405
1200	2365	760	1015	1200	1120	1820	540	2405
1400	2365	760	1015	1400	1120	1820	540	2405
1600	2365	760	1015	1600	1120	1820	540	2405
1800	2365	760	1015	1800	1120	1820	540	2405
2000	2365	760	1015	2000	1120	1820	540	2405



Amount of bed of filter Nordic

diameter	3–5	1–2	0,4-0,8	anthracite
1050 mm	125	125	475	425
1200 mm	175	175	625	550
1400 mm	225	225	850	750
1600 mm	300	300	1125	975
1800 mm	375	375	1425	1225
2000 mm	475	475	1750	1525





Filters Public class: FAMA, KOK DIN, Vienna, Brazil – made in EU

These filters are Filtry designed for the public pools, equipped with collector laterals or collector with PVC nozzles. The height of filtration bed is 1 m or 1,2 m. Detailed data provided on request.





FAMA: filtration bed 1,2 m, collector laterals or with PVC nozzles, diameters: 1,05 m , 1,2 m, 1,4 m, 1,6 m, 1,8 m, 2,0 m, 2,35 m, 2,5 m, 3,0 m.



diameters: 1,05 m, 1,2 m, 1,4 m, 1,6 m, 1,8 m, 2,0 m, 2,35 m, 2,5 m, 3,0 m.

KOK DIN: filtration bed 1,2 m, collector plate with PVC nozzles, diameters: 610 mm, 765 mm, 920 mm, 1080 mm, 1250 mm.



BRAZIL: filtration bed 1 m or 1,2 m, collector laterals, diameters: 1,05 m, 1,2 m, 1,4 m, 1,6 m, 1,8 m, 2,0 m, 2,35 m, 2,5 m.







Cartridge filters

The advantage of these devices is no need to rinse the filter, take up a little space and high performance of stopping the pollution. That is why the water in the pool is very clear. Cartridges of the filter can be cleaned in a washnig machine at 60 degrees. More information in the detailed data.

Filter Speck "Badu –Star"

Is self-priming filtering device used in bathtubs and private pools. The Badu Star is complete filter unit with the pump performed with the filter housing. The porosity is 50 micron. It is environmentally friendly, because it does not require a connection to the sanitary sewer system. Can be installed max. 3 m above or below water level. Equipped with a pressure gauge and drain plug, so despite of a strange appearance, it is hundred percent water filter.

type	amount	flow rate	code
69/12	12 cartridges	9 m³/h, 230 V	180025
913/12		13 m³/h, 230 V	180327
69/24	24 cartridges	9 m³/h, 230 V	180122
913/24		13 m³/h, 230 V	180424
69/36	36 cartridges	9 m³/h, 230 V	180236
913/36		13 m³/h, 230 V	180536



Filter Speck "Badu-Quick" without pump

Recommended for small pools up to 20 m³. For each type proper pump should be selected.

model	recommended pump	code
Type 1	max. 5 m³/h	160111
Type 2	max. 7 m³/h	160113
Type 4	max. 9 m³/h	160115









The filter needs several accessories. The most important is sand, as a traditional and economical filtering material.

ATTENTION!!!! The proper working of the filter depends on proper sand. Our sand is special, dedicated exclusively to the filters, purity according to DIN, delivered in thermally welded bags of 25 kg.

The quartz sand for filters



Column valves

Modern, high-tech valves used instead of manual valves. Casing made from hard PVC, inside elements from steel V4A, PTFE sealing. The valve is controlled by a magnet valve located at the top.

Here are its unique features:

1. Functioning reliability - the valve opens under the water pressure and closes under the influence of thrust of the spring. When a power outage, the valve automatically switches to position FILTRATION. Unintended draining of the pool is not possible.

2. During switching the valve is not need to turn off the pump.

3. The connections can be rotated through 90° (+/- 4° , the lack of tension with the installation of the pipe)

4. Low pressure loss - it causes a high speed of backwash, which is very important at almost unpressurized backwash.

5. Available in sizes from 50 to 140 mm.

The 3-way valve is mounted for the function of the filter backwash, when one pump is switching between two water attractions etc. **Column** valves

				•	
æ.	connections	spacing	code	diameter	code
and the second	50 mm	125 mm	204000	50 mm	204070
		140 mm	204003	63 mm	204071
		190 mm	204005	75 mm	204072
	63 mm	140 mm	204010	90 mm	204073
		170 mm	204012	110 mm	204074
		190 mm	204013	140 mm	204076
		230 mm	204014	P	
	75 mm	250 mm	204020		
	90 mm	300 mm	204030		
- ALS -	110 mm	360 mm	204040		
	140 mm	450 mm	204041		

Manual 6-way valves

Using the valve you can control the working of the filter. During the operation the valve is set to filtration. By setting the valve in proper position you can achieve different operator actions on the filter, such as backwash = cleaning the impurities retained by the filter, circulation = movement of the water without passing through the filter, in order to force a faster circulation in the pipeline.



Name of the product	code
Side valve, all outputs with threads 1""	12003
Side valve with connections, threads 1"" and 1", glued	12005
Side valve, all outputs with threads 2"	12030
Side valve with connections, threads 2", one glued	07444
Side valve, all outputs with threads 3" with plugs	200845
Side valve, outputs with threads 3" and one glued botto	om 200843

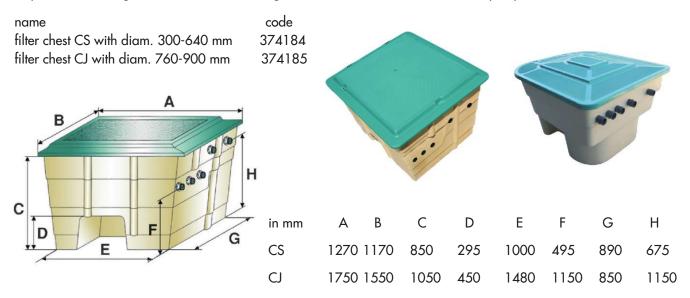
	0			-	
3-w	av 1	val	ve		5





Filter chest of Kripsol and Jupiter-Poly

A special chest designed for installation in the ground. In the chest the filter tank and pump are mounted.



Batteries of flap valves

A set containing 5 flap valves, 5 m of PVC pipe, screws, flanges and bushings. Replaces the 6-way valve. Practically is a necessity, when the filter connection is more than 110 mm. Connectors to assemble.

diameter	code
75 mm	09165
90 mm	09166
110 mm	09167
125 mm	09168
140 mm	09170
160 mm	09173
200 mm	09178
225 mm	09180
250 mm	09182





Controller for valve battery

Designed to the automatic control of the valves. Allows to control all functions of the battery. code: 419400

Supports for batteries

Special handles for the valve battery with diameters from Ř75 mm to Ř250 mm for each model of the filter. Antivibration handles with screws and two brackets form the set. Brackets, made from galvanized steel, allow vertical regulation of the batteries.

name	code	name	code
supports	05345	supports Ø140 mm	05320
supports Ø75 mm	05300	supports Ø160 mm	05325
supports Ø90 mm	05305	supports Ø200 mm	05330
supports Ø110 mm	05310	supports Ø225 mm	05335
supports Ø125 mm	05315	supports Ø250 mm	05340



Automatic air vent

It is worth to install automatic vent on the filter. It is a special dual-function valve, which aerating or venting the filter tank automatically.





name	code
1 Stainless, G‴ I.T.	147960
1 as above, but ozone resistant	147965
2 Polypropylene, external thread 1"	09181

Sampling stations

It is used to collect water samples for testing. Glycolic gauges show the pressure before and behind the filter. With hoses the station is connected to the pipeline.

sampling station code 147950



sampling station code 147952



Acrylic flow meter

Mounted on the pipeline by means of clamps. The scale of measurement 30-120 m³/h. code 148032



Set of pressure gauges

Glycolic, very accurate pressure gauges. The scale up to 4 bar, connected by hose 8/10 mm. code 00730



Flow meter M23

Connected to the pipeline via glued socket with a diameter of 75 mm. Highly accurate measurement. The scale of measurement 8-60 m³/h.

code 148034







Automatic valves for filters are electronic units for automatically backwashing of the filter bed. You can set the date, time and duration of the backwashing. Automatic valves provide full comfort of using the filter.

BADUTRONIK 93 V 3.1 is an electronic device for the fully automated backwashing, works in combination with the control boxes or directly with the pump. It is possible to install the Badutronic 93 V 3.1 on any of already working filter. The precise time and frequency of the backwash process are set via a digital timer. Badutronic 93 V 3.1 consists of a control unit with a motor and 6-way valve. The ability to set backwash time: 0,5 to 11 minutes, clear rinsing time: 8 to 70 seconds. A stable plastic housing with transparent cover, which gives the possibility to control the clock. It is preferable when it is connected both the automatic water level regulator, immediately supplemental water in the pool.

Badu Easytronic is pre-set every 7 days. Is easy to setup, you just need to set rinsing time. **Badu PressureTronic** has built-in pressure sensor, thanks to which an additional rinsing is switched when pressure in the filter increases.

Name		code
Badutronik 93	valve 1½", 230 V	200870
Badutronik 93	valve 2", 230 V	200875
Badu Easytronik	valve 1½", 230 V	200871
Badu Easytronik	valve 2", 230 V	200876
Badu Pressuretronik	1½", 230 V	200872
Badu Pressuretronik	2", 230 V	200877



BADUTRONIK 2002-1 is a valve performing the function of automatic filter rinsing and control the filtering pump up to 1,0 kW. It is possible to install the Badutronic 2002-1 on any of already working filter. Two-channel digital timer allows programming: Channel 1 - backwash time, Channel 2 - filtering time. Automatic backwash can be also performed outside of filtering time. The unit require connection of the automatic water level regulator eg. BNR 55 or BNR 200. Badutronic 2002-1 consists of a control unit with a motor and 6-way valve. It has control functions: automatic filtering via programme selection mode or manual filtering mode controlled by the timer, automatic backwashing via programme selection or manual backwashing via push button, ON-OFF control, filtering, rinsing. The ability to set backwash time: 1 to 11 minutes, clear rinsing time: 10 to 60 seconds, manual mode - automatic mode for filtering pump. Shapely, stable plastic housing with safety endings and transparent cover, which gives the ability to control the clock.

Name Badutronik 2002-1 Badutronik 2002-1

valve 1½2", 230V valve 2", 230V Code 200880 200885







AquaStar is a series of perfectly working automatic valves for sand filters. The drive is for mounting on the existing manual valve on the filter: side or top. AquaStar consists of a drive + 6-way valve. AquaStar SAFETYPACK does its work, even if it loses external power supply. Each AquaStar has handle in set for manual control of the valve. It can be connected to the filter control or independently perform its functions. Drives can be mounted to the manual valve of each manufacturer, thanks to the adapters. Working pressure of 3,5 bar. AquaStar is for swimming pools, spa industry, fountains, swimming ponds, aquariums. AquaStar provides you full comfort and safety.

name AquaStar Easy 1000 drive for valve 1½" and 2" with time switch AquaStar Easy 1000 automatic backwash valve 1½", time switch as above, but with valve 2 "	code 200900 200902 200904	
name AquaStar Easy 4000 drive for valve 1½" and 2" with time switch and pressure switch	code 200906	
AquaStar Easy 4000 automatic backwash valve 1½", time switch and pressure switch as above, but with valve 2"	200908 200910	
name AquaStar Comfort 3000 drive for valve 3" time switch AquaStar Comfort 3000 automatic backwash valve 3", time switch	code 200912 200914	
name AquaStar SafetyPack Comfort 3000 drive for valve 1½" and 2 ", with Safety Pack, time switch	code 200916	
AquaStar SafetyPack 4000 drive for valve 1½" i 2", with Saftey Pack, time switch and pressure switch	200918	



All pumps are designed to work with a pool water. Characterized by quiet operation, corrosion resistance, trouble free working, solid cylindrical sealing, which protect the motor against pool water, resistant to temperature up to 60°C. All filters pumps are equipped with strainer (basket). Pumps without strainer are designed to work with water massage devices. Pumps efficiency is given at H=8 m of total dynamic head. We offer only high quality pumps manufactured in Europe, what may make difficult to choose. Therefore, they are divided into classes, that the choice will be easier: Extra class – the best pumps with high reputation = brand, long lifetime, quality and reliability. Normal class – very good pumps differing from the above only in that it is less well known manufacturer. Standard class – basic pumps, which sinning with modesty, however, have a very good combination of quality and reliability.

URT com

EXPORT

POOL PUMPS

Badu 90 Series Speck Pumpen Extra class



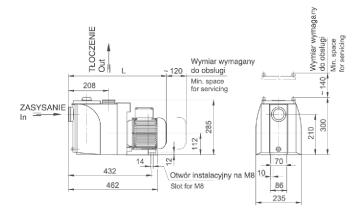
ZASYSANIE 10 330 340 10 130 170 196

efficiency	power kW	code	L mm
7 m³/h,230 V	0,30	182201	485
400 V		182203	485
11 m³/h,230 V	0,45	182211	485
400 V		182213	485
13 m³/h,230 V	0,55	182215	507
	400 V 11 m³/h,230 V 400 V	7 m ³ /h,230 V 0,30 400 V 11 m ³ /h,230 V 0,45 400 V	7 m ³ /h,230 V 0,30 182201 400 V 182203 11 m ³ /h,230 V 0,45 182211 400 V 182213

type	efficiency	power kV	V code	L mm
90/13	13 m³/h,400 V	0,55	182216	507
90/15G	15 m³/h,230 V	0,75	182221	505
	400 V		182223	505
90/20G	20 m³/h,230 V	1,00	182231	519
	400 V		182233	505

Badu 40 Series Speck Pumpen Normal class





type	efficiency	powerkW	code	L mm
40/25G	25 m³/h, 230 V	1,30	182072	511
	400 V		182073	511
40/32	32 m³/h, 230 V	1,50	182082	539
	400 V		182083	511



40 126

55

Min. space for servicing Ausbaumaß

2

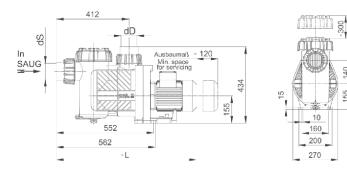
380

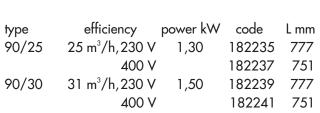
10 _160

180 200

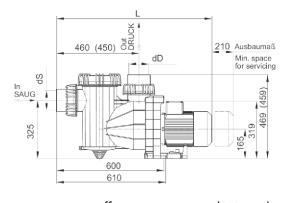
315

Badu 90 Series Speck Pumpen Extra class



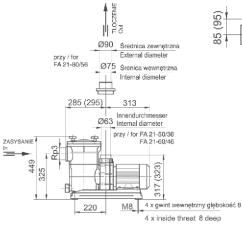


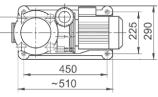
Badu Resort Series Speck Pumpen Extra class



type	efficiency	power kW	code	L mm
30	30 m³/h, 400 V	1,50	183000	783
40	40 m³/h,400 V	2,20	183005	827
45	45 m³/h,400 V	2,60	183010	827
50	50 m³/h,400 V	3,00	183015	837
55	55 m³/h,400 V	4,00	183020	867

Badu FA 21 Series Speck Pumpen Extra class









efficiency	power kW	code
36 m³/h,400 V	2,20	187138
45 m³/h,400 V	2,60	187148
56 m³/h,400 V	3,00	187172



type	efficiency	power kW	code	L mm
60	60 m³/h,400 V	2,60	183025	837
70	70 m³/h,400 V	3,00	183030	837
80	80 m³/h,400 V	4,00	183035	867
110	110 m³/h,400 V	5,50	183040	884



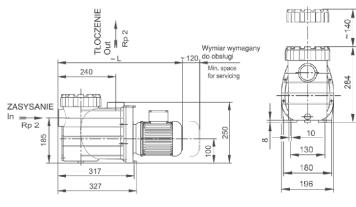
type	efficiency	power kW	code	L mm
90/40	41 m³/h,230 V	2,20	182243	795
	400 V		182245	795
90/48	49 m³/h,230 V	2,60	182247	825
	400 V		182249	795





POOL PUMPS

Badu Bronze Series Speck Pumpen Extra class





type	efficiency	power kW	code	L mm
7	7 m³/h, 230 V	0,30	182101	498
	400 V		182103	498
11	11 m³/h,230 V	0,45	182111	498
	400 V		182113	498
14	14 m³/h,230 V	0,55	182121	520
	400 V		182123	520

type	efficiency	power kW	code	L mm
22	22 m³/h,230 V	1,00	182131	532
	400 V		182133	520
25	25 m³/h,230 V	1,30	182141	532
	400 V		182143	532
30	30 m³/h,230 V	1,50	182151	558
	400 V		182153	532

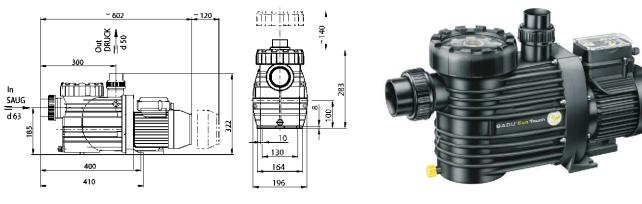
Badu Eco Touch Series Speck Pumpen Extra class

Eco Touch is a pump with variable efficiency according to the needs. It can works in 3 power ranges:

1 - 2.000 (min⁻¹) 0,39 kW night work and on Saturday-Sunday, at H= 6 m, 10 m³/h

2 - 2.800 (min⁻¹) 0,69 kW normal work, H= 6 m, 18 m³/h

3 - 2.850 (min⁻¹) 1,0 kW rinsing and solar panels water supplying, H= 6 m, 26 m³/h Buttons for setting the pump power are inside of the pump.



name code Eco Touch 219.0000.038 separate control unit for manual adjustment of the pump work 271.6400.001 separate control unit for time adjustment of the pump work 271.6400.002

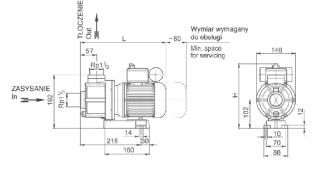
Badu 73 Series Speck Pumpen Extra class

type	efficiency	power kW	code
73-1	6 m³/h,230V	0,80	
	at H= 16		237.3100.038
73-2	6 m³/h,230V	1,10	
	at H= 16		237.3200.138





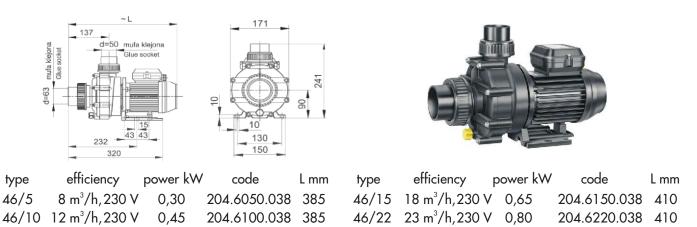
Badu 42 Series Speck Pumpen Normal class





type efficiency power kW code Lmm Hmm type efficiency power kW code Lmm Hmm 42/6 6 m³/h,230 V 0,30 204.2060.038 307 237 42/9 9 m³/h,400 V 0,45 204.2060.037 307 209 204.2090.038 400 V 307 209 42/12 12 m³/h,230 V 0,65 204.2090.037 327 223 42/9 9 m³/h,230 V 0,45 204.2120.038 307 237 400 V 204.2120.037 327 203

Badu 46 Series Speck Pumpen Normal class



Pump series Speck Pumpen for salt water and very aggresive water

All Speck pumps can be made in AK version for special order, desinged for salt water, where the salt content exceeds 0,5 mg/l. A wide range of applications allows use pumps for pumping of thermal waters, thermal brines, in aquariums with sea water or in installations for salty water. The pump responds to the standard version, except that it was made a space separating from the motor. In this way, leaks of pressed factors and crystalizing mineral substances will not be able to get into the motor and bearings. This constructions ensures markedly elevated pump life, compared to the standard version.



Badu 90 – AK







POOL PUMPS

EXPORT

Badu 21-40 Series Speck Pumpen Extra class



type	efficiency	power kW	code
21-40/53G	17 m³/h, 230 V	0,55	234.0530.138
21-40/54G	22 m³/h, 230 V	0,75	234.0540.138
21-40/55G	28 m³/h, 230 V	1,00	234.0550.138
21-40/58G	32 m³/h, 230 V	1,50	234.0580.138
21-40/58G	32 m³/h, 400 V	1,50	234.0580.137

Badu Series 21-50 i 21-50 Speck Pumpen Extra class



type	efficiency	power kW	code
21-50/42G	28 m³/h, 230 V	/ 1,10	235.0420.137
21-50/43G	38 m³/h, 230 V	/ 1,60	235.0430.137
21-50/44G	45 m³/h, 230 V	/ 2,20	235.0440.137
21-60/43G	38 m³/h, 230 V	/ 1,60	236.0430.137
21-60/44G	45 m³/h, 400 V	/ 2,20	236.0440.137
21-60/46G	55 m³/h, 230 V	/ 3,00	236.0460.137

Badu 21-80 Series Speck Pumpen Extra class



type	efficiency	power kW	code
21-80/32RG	32 m³/h, 230 V	1,60	187516
21-80/32RG	55 m³/h, 230 V	2,20	187520
21-80/32G	65 m³/h, 230 V	2,60	187518
21-80/33G	75 m³/h, 230 V	3,00	187526
21-80/34G	90 m³/h, 400 V	4,00	187545









Pumps for public swimming pools

Rich and wide range of offered PSH pumps does not allow placing all of them in this catalog. But for sure you will find here something for you. The PSH pumps are made on request in such way as to meet the needs of the recipient in every respect. Just provide the required flow and pressure resistance of the water column and fast service will send the offer in a very short time. Offered pumps can have bronze or plastic impellers. Electric motors are are compliant with the latest standards EU 640/2009 regarding to the degree of energy efficiency IE2 and on request can be equipped with motors according to IE3. The pumps are characterized by a high hydraulic efficiency of 85%. Stainless steel bearings and carbon-ceramic impeller sealing. The housing are made from polypropylene reinforced with fiberglass, cast iron AISI 316 or bronze. Offered models are with or without prefilter. These pumps are proper choice in every respect.

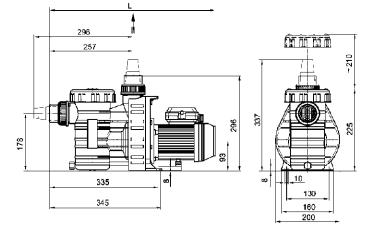




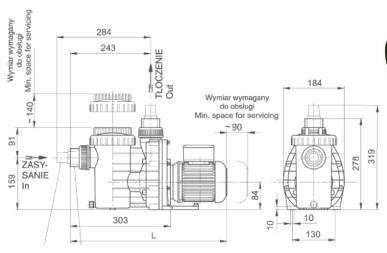
Aqua Plus Series Technix Standard class

POOL PUMPS

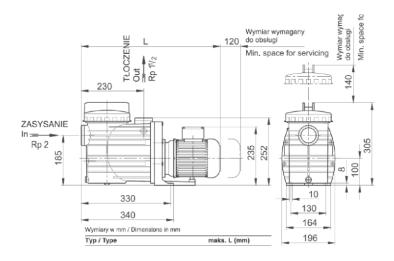
BASENHURT.com EXPORT



Magic Series Speck Pumpen Standard class



Bettar/Badu Top Series Speck Pumpen Normal class





type	efficiency p	ower kW	code	L mm
6	6 m³/h, 230 V	0,25	10055	496
8	8 m³/h, 230 V	0,40	10057	511
11	11 m³/h, 230 V	0,45	10060	511



type	efficiency	power kW	code	L mm
4	4 m³/h, 230 \	/ 0,18	10030	488
6	6 m³/h, 230 \	/ 0,25	10033	488
8	8 m³/h, 230 \	/ 0,40	10037	503
11	11 m³/h, 230 \	/ 0,45	10040	503



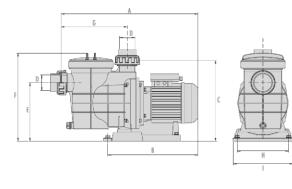
type	efficiency	power kW	code	L mm
8	8 m³/h, 230 \	0,30	10002	490
12	12 m³/h, 230 \	√ 0,45	10022	490
14	14 m³/h, 230 \	V 0,65	10024	515
20	20 m³/h, 230 \	√ 1,00	10025	525
25	25 m³/h, 230 \	√ 1,30	10026	525



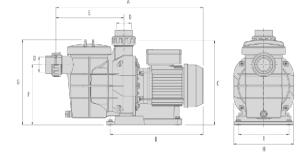


THESE PUMPS HAVE 2 YEARS of 100 % GUARANTEE

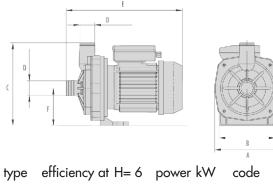
Produced in Europe, characterized by unique quality and durability, which is why, they have 2 years of 100% guarantee for all elements. Bearings, used in the pumps, are made of stainless steel, the housings are reinforced with fiberglass and the impellers are made of noryl. It is worth to have these pumps in your pools, because it is peace of mind for years. Detailed information in the leaflet of the pump.



type	efficiency at H= 6	power kW	code
7	7 m³/h, 230 V	0,25	10056
9	9 m³/h, 230 V	0,37	10058
11	11 m³/h, 230 V	0,75	10061



type	efficiency at $H= 6$	power kW	code
11	11 m³/h, 230 V	0,37	10065
13	13 m³/h, 230 V	0,55	10066
17	17 m³/h, 230 V	0,75	10067
20	20 m³/h, 230 V	1,10	10068



туре	efficiency of $\Pi = 0$	power kvv	code	
HE25	6 m³/h, 230 V	0,20	10100	
HE33	8 m³/h, 230 V	0,25	10102	
HE50	10 m³/h, 230 V	0,37	10104	

Mini Pump Series Iml Standard class



А	В	С	D	Е	F	G	Н	Ι
438	292	260	50	180	274	208	168	199

America Series Iml Normal class



А	В	С	D	Е	F	G	Н	Ι
490	311	280	50	225	200	285	199	168

Hermes Series ImI Standard class







THESE PUMPS HAVE 4 YEARS of 100 % GUARANTEE

Produced in Europe, characterized by unique quality and durability, which is why, they have 4 years of 100% guarantee for all elements. Bearings, used in the pumps, are made of stainless steel, the housings are reinforced with fiberglass and the impellers are made of noryl. It is worth to have these pumps in your pools, because it is peace of mind for years. Detailed information in the leaflet of the pump.

Discovery Series Iml Normal class

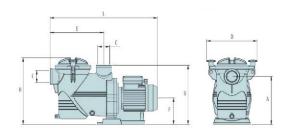


А	В	С	D	Е	F	Н	Ι
250	312	2″	280	282	140	348	625

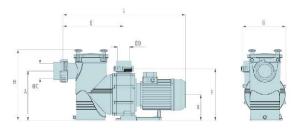
Big Discovery Series Iml Normal class



А	В	С	D	Е	F	G	Н	Ι
300	160	90	75	368	320	264	431	743



	power kW	code
0V	1,50	10070
VO	1,50	10071
VO	2,20	10072
0V	2,20	10073
	0V 0V 0V 0V	0V 1,50 0V 1,50 0V 2,20

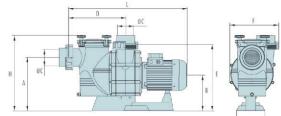


efficiency	power kW	code
45 m³/h 400V	2,20	10075
63 m³/h 400V	2,90	10076
72 m³/h 400V	4,00	10077

Atlas Series with prefiletr ImI Extra class – bronze impeller



Dime	nsions	for AT	0 550) and 2	750			
А	В	С	D	Е	F	G	Н	I
375	225	110	405	470	330	200	535	820



type	efficiency	power kW	code
ATO400	75 m³/h 230/400V	2,90	11000
ATO550	90 m³/h 230/400V	4,00	11002
ATO750	120 m³/h 230/400V	5,50	11004
ATO750E	120 m³/h 400/690V	5,50	11006
ATO1000	135 m³/h 230/400V	7,40	11008
ATO1000E	135 m³/h 400/690V	7,40	11010
ATO1250	150 m³/h 230/400V	9,20	11012
ATO1250E	150 m³/h 400/690V	9,20	11014

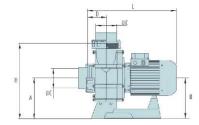




THESE PUMPS HAVE 4 YEARS of 100 % GUARANTEE

Produced in Europe, characterized by unique quality and durability, which is why they have 4 years of 100% guarantee for all elements. Bearings, used in the pumps, are made of stainless steel, the housings are reinforced with fiberglass and the impellers are made of noryl. It is worth to have these pumps in your pools, because it is peace of mind for years. Detailed information in the leaflet of the pump.

Atlas Series without prefilter ImI Extra class – bronze impeller



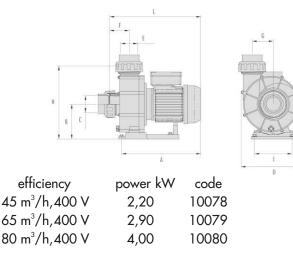


type	efficiency	power kW	code
ATO550SP	110 m³/h,230/400 V	4,00	11016
ATO750SP	135 m³/h,230/400 V	5,50	11018
ATO750SPE	135 m³/h,400/690 V	5,50	11020
ATO1000SP	153 m³/h,230/400 V	7,40	11022
ATO1000SPE	153 m³/h,400/690 V	7,40	11024
ATO1250SP	170 m³/h,230/400 V	9,20	11026
ATO1250SPE	170 m³/h,400/690 V	9,20	11028



Dimensions for ATO 550SP and 750SP							
А	В	С	D	Е	F	Н	L
255	255	110	105	330	200	475	530

New BCC Series Iml Extra class



Jet Series made of bronze Lahme Extra class





type	1	efficiency	power kW	code
suction	2"	45 m³/h,400 V	2,2	378011
suction	2"	38 m³/h,230 V	1,5	378038
suction	2"	63 m³/h,400 V	2,6	378046
suction	21/2"	63 m³/h,400 V	2,6	378048
suction	90 mm	100 m³/h,400 V	4,0	378050
suction	90 mm	115 m³/h,400 V	5,5	378051





Pressure sockets for Jet pumps made of bronze



2" for 1,5 i 2,2 kW code 378115

Connections for Speck pumps



POOL PUMPS

2" for 2,6 kW code 378119



ASENHURT.com EXPORT

2 ½" for 2,6 kW code 378120



90 mm for 4,0 kW code 378125



nominal diameter 50, 180° code 7154250



G2¾" I.T. x 90 E.G. for 21-80/...[2 pcs.] code 187558



110 I.G. x 110 I.G. for Speck pumps [1 pcs.] code 290.2072.153

BADU Suction saftey system



G2" I.T. x 50 I.G. for 21-40/...[1 pcs.] code 280.5120.050



universal opening key for cover of Bettar and Badu 90 pumps code 292.1157.700



G2¾" I.T. x 63 I.G. for 21-50 and 60/...[1 pcs.] code 230.0031.000



three-way universal key for cover of Resort and Badu 90/25-48 pumps code 290.2099.800



G2¾" I.T. x 110 I.G. for 21-80/...[1 pcs.] code 292.3172.100



G2¾ " I.T. x 110 I.G. for Speck pumps [1 pcs.] code 230.0027.000

eliminates the hidden risk posed to users by suction points in public swimming pools. The fitting of redundant sensors further increases the reliability of the system. In extreme cases the suction can trap pool users by their swimwear, hair or limbs at openings, which can lead to serious physical injury or even death from drowning. The BADU Suction safety system reliably eliminates this hazard! Can be installed in all existing systems. You must provide required diameter of the pipe.



code 230.0000.801 code 230.0000.803

Antivibration flanges

name	code
connection DN 50	20231
connection DN 65	20232
connection DN 80	20233
connection DN 100	20234
connection DN 125	20235
connection DN 150	20236
connection DN 200	20237
connection DN 250	20238





Controller 230V with thermostat

Allows control filter pump work and heating. Equipped with an electronic thermostat, clock, selector switch work, temperature sensor, indicator lights. Possibility to connect the filter pump, heat pump, automatic backwash valve, automatic dosing system, overflow tank. Whole built-in the box with dimensions $220 \times 119 \times 100$ mm. Range of thermostat setting is 10-40 °C. The minimum power consumption of the controller = 1,5 VA. Electrical connections: filter pump - to max. 1,0 kW heating pump - to max. 0,4 kW dosing system - to max. 0,4 kW

name	code
controller PC 230-ES, 230 V	15002
as above, but 400 V	15008

Filter controller Tebas Pool-Consulting with thermostat

The model has great opportunities and a modern look. Range of electronic thermostat setting is 5-40 °C. Quartz display clearly shows performed operations. Signalling work is done by LEDs and control by microprocessor. It has functions to directing the work of: filter pump, heating, automatic backwash valve, solar collectors, dosing systems, controller of overflow tank, ball valve. Electrical connections: filter pump to 1,5 kW, heating pump to 0,5 kW, dosing system to 0,5 kW.

name	code
Tebas Pool Consulting 230 V	14800
Pool Consulting 400 V	14805
solar sensor	14815

Overflow tank controller

Enables you to connect max. 5 electrodes. It can be mounted on any type of tank. It should be mounted 5 electrodes: GND, pump on, pump off and the next two to on and off the magnetic valve. The controller must be connected to the filter control box, which must have the appropriate terminals.

name	code
overflow tank controller 230 V	281500
electrodes set, 5 pieces	281510
electrode 1 piece	281505
•	















Controller AS Control

The model has high potential and modern look. It is complete control box to operate filter pump work, automatic valves, heating and solar collectors. Prepared for pumps 230V or 400V. Range of electronic thermostat setting is 5-40 °C. Quartz display clearly shows performed operations. Signalling work is done by LEDs and control by microprocessor. It has functions to directing the work of: filter pump, heating, automatic backwash valve, solar collectors, dosing systems, controller of overflow tank, automatic valves, ball valve. Electrical connections: filter pump 230V to 1,5 kW, for 400V to 4,0 kW.



name	code
filter controller AS Control	225000
solar sensor	285010

Controller AS Control Plus

This is the most technologically advanced microprocessor controller to operate all functions of swimming pool installation in the pool with overflow gutter. The AS Control Plus takes care of optimizing the energy efficiency in the overflow pool. It is now the most exclusive microprocessor control box for the pool. Digital display shows the following functions: air and water temperature, as well as current operating status, control the operation of the filter, backwashing, heating control with frost protection, water level control in the tank (channel of 5 electrodes), overflow tank control, Eco-management (channel of the state of savings), the state in which the pool cover is. The memory card is included, which saves data for 10 months.

Technical data:

71 terminals, 13 relays, power 14VA, 3-phase protection, max. 8 A per phase, IP65, memory card 512MB, 4 layers display, 1 % of temperature sensor error.



name	code
AS Control Plus without sensors	229110
AS Control Plus with water temperature sensors,	229120
air sensors and tank electrodes	
pressure sensor for AS Control Plus	229130

Pump controller Tebas

These electrical boxes are ready to work immediately. Clock timer of working time and all electrical components are already mounted in the housing. Simply connect the power cables.



for pump with power to 2,2 kW, 230 V (9-14A) to 2,2 kW, 400 V or to 0,75 kW, 230 V (4-6,3A) to 4,0 kW, 400 V or to 1,10 kW, 230 V (6-10A)



mile Vat

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Control boxes for pool pumps

These electrical boxes are ready to work immediately. All electrical components, including signal relays of pneumatic or sensor are already mounted in the housing. Simply connect the power cables.

Pneumatic controller Tebas

A modern design of box with dimensions 160 x 160 x 140 mm. Completely waterproof housing IP67, made in accordance with PN-EN 60529. Ability to connect pneumatic switch placed in the pool.

for pump with power	code
to 2,2 kW, 230 V (9-14A)	375146
to 2,2 kW, 400 V (4-6,3A)	375147
to 4,0 kW, 400 V (6-10A)	375148

H.L. pneumatic contollers

for pump with power	code
to 2,6 kW, 400 V	375150
to 1,1 kW, 400 V	375152
to 0,9 kW, 230 V	375154
to 1,1 kW, 230 V	375156
for 2 x 2,2 kW, 400 V	375158
for 2 x 2,6 kW, 400 V	375164
to 4,0 kW, 400 V	375180
to 5,5 kW, 400 V	375181

H.L. pneumatic switch

H.L. sensor switch

name

controller for sensor switch to 2,6 kW, 400 V (5,5-8,5 A)
niche of sensor switch
sensor switch insert
flange of sensor switch

set for tile pool, steel	375155
as above, but white	7010190
set for tile pool, steel	375160
as above, but white	7010290
pneumatic switch housing, bronze	8710050
pneumatic switch insert	8712020



TEB



as above, but white	7010190
set for tile pool, steel	375160
as above, but white	7010290
pneumatic switch housing, bronze	8710050
pneumatic switch insert	8712020





(6

code



name

code

375166 375168

375167

375169

POOL WITH OVERFLOW GUTTER

We present you the goods, which are applicable only in pools with overflow gutter. Other elements can be found in the rest of the catalog.

FXPART

Gutter drain from PE



Can be installed in the tile pool with overflow gutter. The outflow has protective hood, in which during assembly of tiles, the hole excising is required. Solidly constructed outflow can be installed in the formwork. The output at 45° with EPDM sealing cuff.

size	code
75 mm	282000
90 mm	282005
110 mm	282010

Gutter drain PVC

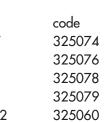


Installation possible in each pool with overflow gutter. Solidly made of ABS, but during installation in the formwork, proceed carefully when filling with concrete. Sieve fixed with 2 screws, glued output 63 mm.

code 20280

Gutter drain made of bronze

name Ø 108 mm, G2½″ E.T. and G2" I.T Ø 66 mm, G1½″ E.T Ø 92 mm, G2″ E.T. Ø 92 mm, G2″ E.T. and G1½″ I.T. drain of gutter covered with liner G2





Wall culverts of gutter drain

Special wall culvert for mounting drain gutter made of bronze. Length 300 mm at angle of 45 or 90 degrees, external and internal thread 2". The wall culvert should be mounted in formwork together with the socket.



wall culvert 45 degrees

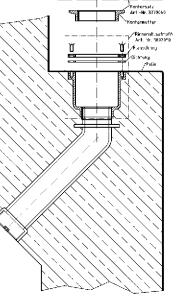
wall culvert 90 degrees

name



code 325058 324318





Gutter drain made of bronze

sleeve for wall culvert 45 degrees

Can be installed in the tile pool with overflow gutter. Drain has upper sieve fixed with 2 screws, the output with internal thread 2". Drain can be mounted in the formwork.

name drain with width 60 mm, length 100 mm as above, but length 160 mm code 2200000 2210000

325059



Overflow gutter grates

White color. Grates width 22 mm. Connected at the center of element through the joint. The upper surface anti-slip. All grates and corners can be supplied in RAL color.

FXPORT

Europe model single joint

	le
95 mm 11107	07
245 mm 11108	80
n in color 11105	05
n in color 11106	06
te,	
r meters 28166	660
245 mm 11108 n in color 11105 n in color 11106 te,	07 08 05 06

Classic model single joint

name		code	color
grate length	145 mm	11110	11114
	195 mm	11111	11105
	245 mm	11112	11106
double joint	295 mm	11109	11104
profile for grate	е,		
length 2 linear	meters	281660	

Model Sopel and Muro single joint

name	code	color
grate Soper width 195mm	11115	11117
245mm	11120	11122
grate Muro width 195mm	11116	11118
245mm	11121	11124
transport of color grate	11119	

Overflow gutter grate corner

	angle	90 °	45°	90 °	45°	
name		code	code	color	color	
grate corner	145 mm	12382	12390	12392	12394	
	195 mm	22379	22387	22382	22390	
	245 mm	22380	22388	22384	22392	
	295 mm	12381	12389	12396	12398	

Overflow tanks

Made of plastic with wide mouth. Input of the water from the gutter is 110 mm. You can combined with each other few tanks. Do not deform after years.

Capacity	length	width	height	code*
1100	1400 mm	720 mm	1400 mm	281451
1500 l	1540 mm	720 mm	1625 mm	281452
2000 l	2070 mm	720 mm	1690 mm	281453
2500 l	1870 mm	995 mm	1650 mm	281454
3000 l	2230 mm	995 mm	1650 mm	281455
4000 l	2430 mm	995 mm	1950 mm	281456
sealing flange	281486			

* - without control box, electrodes and connections









POOL WITH OVERFLOW GUTTER

Overflow tank made of steel panels

Create any size overflow tank made of steel panels Orion. This is the most beneficial choice in economic terms. Quick installation, easy embedding of elements in the wall, durability, aesthetics. The elements of the system on p.11.

EXPORT

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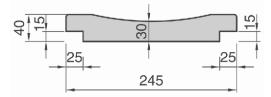
Stone gutter grate – grille

Made of a material according to EN 13451, grills give suitable character of the pool rim. The stone gutter grate is not to destroy, that is why will be on your pool rim very long time. Non-slip structure of the surface layer provides security, those who stands next to the pool. Available in colors: sand, white, brick, pink, gray and as the Crystal Series. The grates are also available as corners and curved angles. The stone gutter grate is dedicated for Standard and Alto gutter.

name	code
grille gutter, straight, sand	19880
grille gutter, straight, white	19883
grille gutter, straight, brick, pink, grey	19886
grille gutter, straight, Crystal Series	19889
transport of 1 pallet of stones	19850



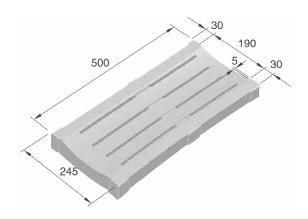
















Gutter stones

Gutter stones Laguna are highly aesthetic and fulfill two functions: cover the gutter and finish the pool rim. Available in colors: white, sand, brick, pink, grey and as Crystal Series with natural shells, wonderfully sparkling in the sunshine. To the stones a special gutter is dedicated, with ideal dimensions, which can be cover with liner or mosaic. The gutter stones are supplied on request.

code

19878

19866

19867

19868

19869

19870

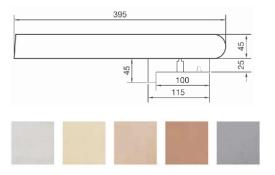
19874

19850

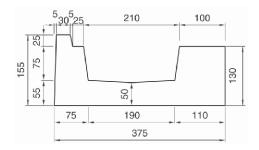
name

gutter dedicated to gutter stones gutter stone Laguna, straight, white, dim. 50 x 40 cm gutter stone Laguna, internal corner straight, white gutter stone Laguna, external corner, white gutter stone, curved angle, white gutter stone Laguna, straight, color, dim. 50 x 40 cm

gutter stone Laguna, straight, Crystal dim. 50 x 40 cm transport of 1 pallet of stones

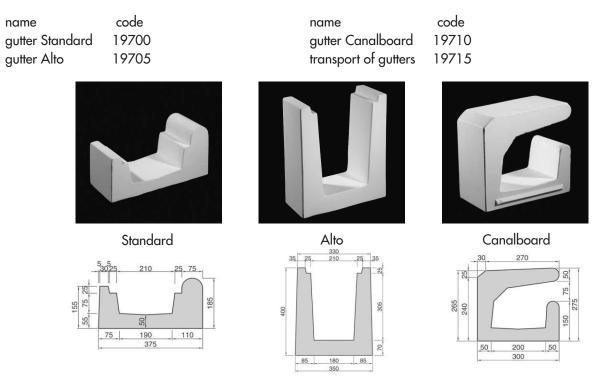






Ready-made gutters

Mechanically made with a millimeter precision, conglomerates ready for installation on the pool wall. Prior to installation, it has to be primed with epoxy paint.







Pool heating - how does it work?

There are people who feel comfortable only when they do the airhole in the ice and take a truly refreshing bath. However, more often we have a desire to swim in warm water. Does the water in the pool has 22 or 28 degree, it is an individual matter of each. So what are the options to achieve this? In the case of the pool, which is used only in the summer time, should be enough to heating by heat pump and direct sunlight. But in our latitude it is not enough! Solar heating should therefore be treated as supporting the main pool heating. In swimming pool installations are usually mounted heat exchanger cooperating with boiler or electric heaters. Pool heating is necessary in the case of hall pools.



Heat exchangers

In order not to be dependent on the sun, a heat exchanger connected to boiler should be mounted. Flowing out of the boiler hot water enters to heat exchanger coils and heats the water from the pool. The water temperature from the pool is measured by temperature sensor. When water reaches the desired temperature, the sensor provides a signal to thermostat, which cut the flow of hot water from the boiler. When decide to install a heat exchanger, consider the power of the boiler.

Heat pumps for pools

These electrical devices using heat from the air to heat the pool water. To carry out this process is a special heat exchanger inside the unit. The heat pump draws significantly less power than a typical water heater. Heat pump performance determines COP coefficient - higher COP = better efficiency.

Electric water heaters

Perfect solution for small pools and tubs. Operation is similar to the heat exchanger, but instead of coils there is a heating element. During operation of the heater, should be noted that the heating element was not damaged.

Contribute to this: high content of calcium in the water, a large amount of disinfectants, wrong electrical and hydraulic connection. Recommended to use electric heater, when can not be used different solution. The operating costs are high.

Solar collectors

Solar panels, made of plastic, can be mounted on the roof or on the ground. The filter pump pushes water into collector where is heated. If the sun is not shining, the water flow to the collector is stopped by a special valve. It is important to choose proper amount of collector panels according to the size of the pool.





Electric water heaters

Electric water heater with thermostat

Made of steel 316L. The heating elements are a special heating rods. The set includes a thermostat to set the desired pool water temperature between 0 and 45 degrees, overheating cutout, low water sensor.

Connections to pool installation $G1\frac{1}{2}$ " internal. Voltage 400 V. As an option is a flow sensor, which can be mounted in the heater or at the piping for securing the heater before turning on if there is no water flow.

Titanium heater is suitable for work in salt water.

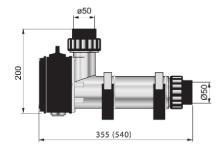


Dimensions for 12-18 kW in brackets.

Electric water heater TEBAS

The casing is made of polyamide. The heating elements are a special heating rods. The set includes a thermostat to set the desired pool water temperature between 0 and 40 degrees and flow sensor. Connections to pool installation 50 mm.

name	code
electric heater 3 kW, 230 V, 8A	14000
electric heater 6 kW, 400 V, 9A	14002
electric heater 9 kW, 400 V, 14A	14003
electric heater 12 kW, 400 V, 18A	14004
electric heater 15 kW, 400 V, 22A	14005
electric heater 18 kW, 400 V, 27A	14006



Dimensions for 12-18 kW in brackets.

Unions to connect heaters to pool installation

metal union G11/2" E.T. - PVC 50 mm code 60905





Heat pumps TEBAS

As energy costs continue to rise, governments in many countries across the globe are committing to reduce energy usage. As a result, systems that are able to reduce energy usage and consumption are becoming more and more important. Heat pumps represent a highly-efficient and environmentally-friendly technology as most of the energy required to generate heat is taken from the freelyavailable surrounding air, a renewable and inexhaustible source of energy. Therefore, heat pumps have become one of the best and cheapest option for the production of "green energy". Features of our heat pumps:

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- fan blades are aerodynamically modified so more air comes into with the same power absorbed and it remains in the heat pump housing space longer

- auto-defrost function at low temperatures, self-diagnosis function
- maximum heat gains at low temperatures (higher COP at lower temperatures)

POOL HEATING

- many years of experience in production since 1975, high-quality plastics and materials
- heat pumps have been specially designed to European climatic conditions
- double, titanium (A1 Class) coils of heat exchanger
- active automatic defrosting system
- powerful coated energy collector (air coils)
- bottom heating element to prevent ice formation
- waterproof digital display and control panel
- robust metal housing
- galvanized bottom plate
- complete set of sensors necessary to work: flow,
- pressure, temperature, water and air sensor.
- high COP higher energy gain
- lower ebergy costs
- easy connection to water installation

Technical data:

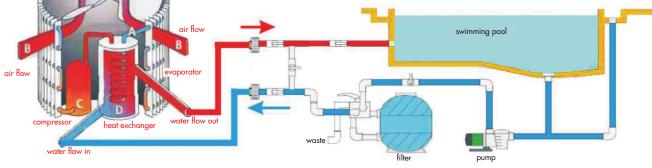


Model	Unit	14605	14608	14610	14612
Heating capacity A26°/W27°	kW	9	11.2	13.1	16
Power Input	kW	1.7	2.1	2.4	2.9
COP A26°/W27°	W/W	5.3	5.3	5.4	5.5
Heating capacity A15°/W27°	kW	6.5	8.5	9.7	11.5
Power Input	kW	1.6	1.9	2.2	2.6
COP A15°/W27°	W/W	4.4	4.4	4.4	4.5
Cooling capacity A32°/W27°	kW	6.1	7.7	8.8	10.5
Power Input	kW	1.75	2.2	2.5	3
EER P32°/W27°	W/W	3.5	3.5	3.5	3.5
Power Supply	V/P/Hz	220/1/50	220/1/50	220/1/50	220/1/50
Fuse current	А	16	20	20	35
Current	A	7.8	9.7	11.2	12.5
Advised pool volume (with pool cover)	m ³	30-50	40-60	50-70	60-80
Water flow volume	m³/h	6	6.5	6.5	7
Water pressure drop	Кра	12	15	15	16
Compressor Style		Rotary			
Heat exchanger		Titanium			
Water connection	mm	50	50	50	50
Level of noise (10 m)	dB (A)	51	52	53	54
Net Unit size (L x W x H)	mm	940x280x540	1000x305x580	1070x335x700	1070x335x700
Carton size (L x W x H)	mm	1050x380x575	1140x405x640	1200x430x740	1200x430x740
Net/Gross weight	kg	54/58	61/65	76/81	81/86

Heat pump TEBAS

The heat pump TEBAS – is a product manufactured under the supervision of the Polish company. This ensures a sufficiently high quality satisfying the user, service and support. The heat pump TEBAS is created for work at swimming pools with a view to all aspects. It provides peace and comfort using, always hot water in the pool. Proper selection of the heat pump should be done taking into account the heat loss from the water surface and the average temperature of the air.

name for pool 35 m ³ , power 6,5-9,0 kW, 230V for pool 35 m ³ , power 8,5-11,2 kW, 230V for pool 35 m ³ , power 9,7-13,1 kW, 230V for pool 35 m ³ , power 11,5-16 kW, 230V	code 14605 14608 14610 14613	Watt m ² h ¹ ft ² 1000 100 100 100 100 100 100 1			
THENS!		00 95 00 65 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
HOW DO THE HEAT PUMPS WORK?					





Heat exchangers

Heat exchanger is mounted in the pool installation. Principle of operation is simple and effective. Flowing out from the boiler hot water enters to the heat exchanger through located inside coil. Pool water flows over the coil is heated. The water temperature is measured by a sensor and when it reaches the desired temperature, the water circulation from the boiler is stopped. When decide to install a heat exchanger, consider the power of the boiler. When choosing, should be used a diagram. Operating parameters of each heat exchanger is:

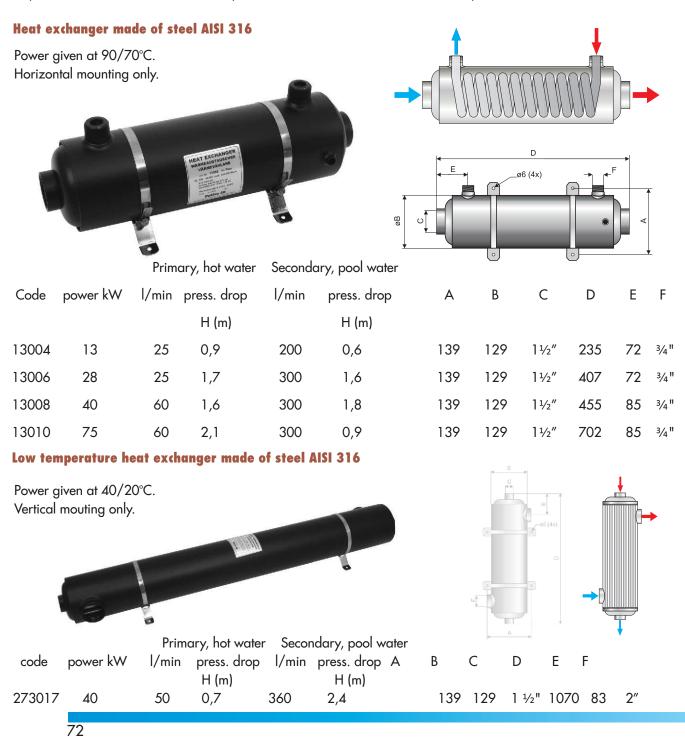
chlorine: max. 3 mg/l (ppm), pH: 7,2-7,8, alkalinity: 60-120 mg/l (ppm), calcium hardness: 200-1000 mg/l (ppm).

Theoretical calculation of the power needed to heat the pool: P = 1.16 x ΔT x V / t

Theoretical calculation of the time required to heat the pool: t = 1.16 x Δ T x V / P

Example of the tome calculation: pool $30m^3$, from 5°C to 25°C with power 6 kW: $t = 1.16 \times (25-5) \times 30/6 = 116$ hours

P= power in kW; t= time in hours; ΔT = temperature difference; 1.16 = constans value; V= pool volume





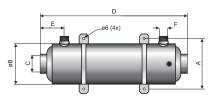
Heat exchanger made of steel V4A

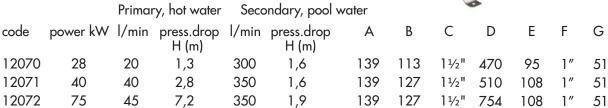
		Primary	, hot wo	ater	Secondo	ary, pool	water		
code	power kW	m³/h	loss	connections	m³/h	loss	connectio	ons 🎽	
	at 90/70°C		(bar)			(bar)			
13007	40	2	0,18	3/4″	10	0,11	11/2″		
13009	70	3	0,15	1″	12	0,18	11/2″		
272868	105	5	0,22	1″	15	0,22	2″		
272876	140	2x3	0,15	1″	20	0,60	2″		
272884	209	2x5	0,20	1″	25	1,00	2″ _		
Low tempe	rature heat exc	changer,	param	eters 50/40°C					
273015	20	2	0,10	1″	10	0,13] ½″		
273023	40	2,2	0,20	1″	10	0,30	1 1/2″		

Power given at 90/70°C. Horizontal or vertical mounting.

Power given at 90/70°C. Horizontal mounting only. For salt water.

Titanium heat exchanger





Heat exchanger in thermoplastic housing



Power given at 90/70°C. Horizontal mounting only.

	P	rimary,	hot water	Second	lary, pool water	
code	power kW	l/min	press. drop	l/min	press. drop	
			·H(m)		· H (m) ·	A
12074	40	34	2,4	300	0,5	359
12076	75	43	6,0	350	1,0	534

code 60905 code 273095

Unions to connect heat exchangers to pool installation

metal union G1½" E.T. - PVC 50 mm rubber sleeves 2 pcs. with clamps

А	В	С
	317 492	277 452
554	47Z	4JZ





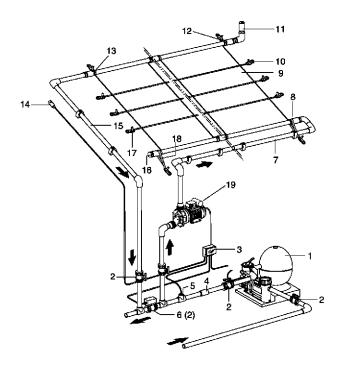
Solar panels for swimming pool

POOL HEATING

Solar panels are made of UV-, weather- and pool water-resistant polypropylene. Well-suited to provide solar energy to the pool. Please remember that this is free energy. How do the solar panels work? Filtered pool water does not flow directly to the pool, but without significant loss, flows through the collectors, where it is heated. It is amazing noticeable difference in water temperature, which flows into the pool after passing through the collector, if, of course, the sun is shining. The ideal difference between input and output is 3°C. Even on a cloudy day collectors work, using invisible rays of the sun. To install collectors in existing filtering installation need several connectors and 3-4 PVC ball valves. The filter pump will transport water. It is also necessary to connect control box, which will adjust the temperature to your individual needs, control working of solar panels and filter pump.

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Example of calculating the amount of collectors

Hints how to compute the panel surface:

In Central Europe the panel surface should correspond to the pool surface in size. If you use a cover in order to minimize the loss of heat, the surface of the panels will be reduce to 70% of the pool surface.

Computation example: pool 4×8 m (32 m^2 pool area): pool area/panel surface x 70% = $32/3,7 \times 70\%$ = 6 collectors of BK 370 type

- 1. Filter with pump
- 2. Ball valve
- 3. Control box
- 4. Non-return valve
- 5. T-section for water sensor
- 6. Actuator or ball valve
- 7. Pipe to solar panel
- 8. Inlet solar panel
- 9. Solar panel
- 10. Double handles
- 11. Vent unit
- 12. Panel connectors
- 13. Outlet solar panels
- 14. Solar sensor
- 15. Return pipe
- 16. End plug
- 17. Long polyester tape
- 18. Short polyester tape
- 19. Additional pump (optional)





Solar panels type BK

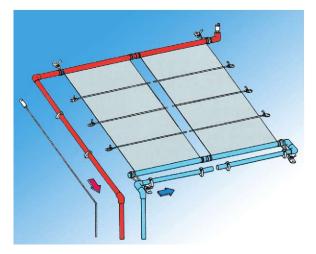
BK collector is used for direct heating of water in the pool. BK collector is a black, UV- and pool water-resistant absorber made of plastic. It is not needed the heat exchanger, therefore efficiency level is higher than glazed collectors BK solar panels are made from specially selected polypropylene. UV-, weather- and pool water-resistant collectors warm pool by heat of the sun. Because of very little resistance, BK solar panels do not impair the functioning of the existing filtration system. It is amazing noticeable difference in water temperature, which flows into the pool after passing through the collector, if, of course, the sun is shining. The ideal difference between input and output is 3° C. Even on a cloudy day collectors work using invisible rays of the sun. The installation costs return after a few years, because the energy provided by the sun is free! Collectors are permanently mounted on the roof or on the ground by using aluminium frames. After draining may remain in the installation location for winter.

name
solar panel BK 370, surf. 3,7 m², width 1310 mm, length 3080 mm
aluminium frame for BK 370
solar panel BK 250, surf. 2,5 m², width 1310 mm, length 2080 mm
aluminium frame for BK 250

Accessories for solar panels BK

panel connector 1 roll polyester tape 50 m handle end plug elbow for vent vent repair kit	280534 280607 280615 280550 280666 280631 281025	
Technical data	BK370	BK250
surface (m ²)	3,7	2,5
weight empty (kg)	9	7
weight filled with water (kg)	19	13
max. working pressure (bar)	1,5	1,5
max. temperature (C)	70	70
min. flow (l/h)	1000	750
input/output (mm)	50	50
flow resistance (m) with 4 pcs.	0,14	0,14
flow resistance (m) with 6 pcs.	0,40	0,40
flow resistance (m) with 8 pcs.	0,90	0,90
flow resistance (m) with 10 pcs.	1,70	1,70





BK solar panels sets

Consist of collectors and Składają się z kolektorów i components necessary for installation on the roof. The set includes: solar panel, connectors, polyester tape, handles, end plugs, vent unit with elbow. You can use several sets. The maximum size of the pools given with cover placed on the surface of the water in the pool.

name	code	name	code
2xBK250 and elements for pool max. 6,5 m ²	280455	2xBK370 and elements for pool max. 10 m ²	280412
3xBK250 and elements for pool max. 10 m ²	280457	3xBK370 and elements for pool max. 15 m ²	280414
4xBK250 and elements for pool max. 13 m ²	280459	$4xBK370$ and elements for pool max. 20 m^2	280416





Pool collector

Green energy for your pool! Thanks to our collector, you will use solar heat to save on energy costs. Small in size, but powerful efficiency! Thanks to the square shape, impeccably presents on the pool. Designed for work with any size garden swimming pool. Easy installation - collector has feet and it is placed on a hard surface, below the pool water level. One collector is suitable for pool with a capacity of 8 m³. The water has to

flow slowly through the collector. MAXIMUM WORKING PRESSURE IS 0.2 BAR.

For setting water flow 3-way valve is used. However, this collector is not

frost resistant and must be removed for the winter.

In delivered carton you will find:

1 collector, dimensions 70 x 70 cm, connection elements, 3-way valve. The hose is not included.

name ca pool collector Tebas 14

code 14705



Pool collector Sun Heater S 421

Made from UV-resistant polypropylene. The set includes connecting elements. This collector is not frost resistant and must be removed for the winter. Maximum 2 collectors can be fixed together.

In the box are supplied: 2 panels, dimensions 61 x 600 cm = 122×600 cm, 4 steel clamps, 4 connectors. The collector surface: 7,4 m². Weight without water: 18 kg.

For one set (2 panels, dimensions 61×600 cm) connect pump with a minium capacity 7 m³/h.

name pool collector Sun Heater S 421



code 14700

code

14701

Pool collector \$ 220

Made from polypropylene. The connecting elements are included. For winter collector must be removed. In the carton is 1 panel, dimensions 61×600 cm. Weight: 9,5 kg, surface: 3,7 m². Connect pump with a minium capacity 6 m³/h.



name pool collector S 220



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Solar panels automatic control

For properly work of collectors in pool systems the automatic control of filter operation should be mounted. The control allows the setting of the desired temperature and above of all turns on and off the flow of the water through collector. The control is used in collectors mounted permanently, which are not removed for the winter.

Controller Tebas Pool-Consulting with thermostat

The model has high potential and modern look. After connecting solar sensor Tebas Pool-Consulting controls solar panels work and runs the flow through the collectors using a motorized ball valve. Quartz display clearly shows performed operations. Signalling work is done by LEDs and control by microprocessor. Electrical connections: filter pump to 1,5 kW, boiler to 0,5 kW, dosing system to 0,5 kW.

name	code
Tebas Pool Consulting 230 V	14800
Pool Consulting 400 V	14805
solar sensor	14815



Motorized ball valves

Motorized ball valve turns on and off the water flow. It is connected to the control box from which goes a signal operates a valve working.

name	code
motorized ball valve 24 V, diameter 50 mm	732355
diameter 63 mm	732356
controller Easy with temperature sensors	15042
motorized ball valve 3-way 50 mm with temperature sensors	15044

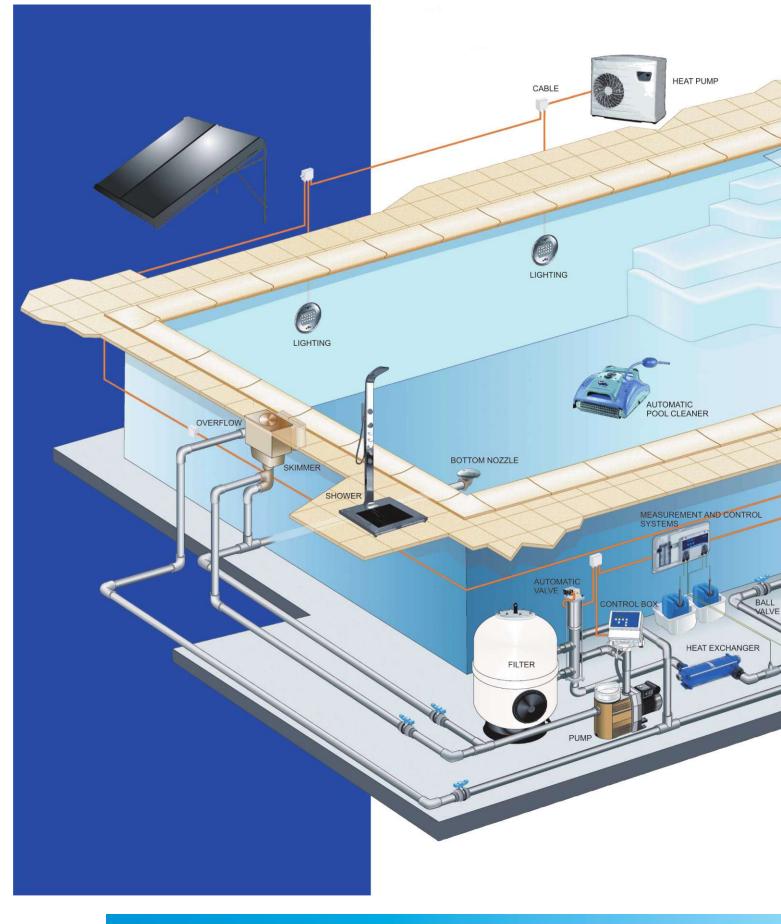








Pool with skimmer



FXPORT

ROLL-UP TUBE FOR COVER

TRANSFORMER

Pool with skimmer

COUNTER-CURRENT

CONTROL BOX

-

The picture shows the pool with a skimmer. It has to give you an image in what and how the pool can be equipped. This is a basic version of contemporary equipment of the modern pool. On the left side you can see skimmer installed. The filter pump sucks water and pressed it through the pool filter. Water flows through pipes of hard PVC and flows back into the pool via inlet nozzles (on the right in the figure). On the left side is shown bottom drain, which is connected with the pump and filter. In this case, the water is filtered in 2/3 from the surface and in 1/3 from the bottoms. Next to the skimmer, the water level control is mounted. It controls water level and automatically refill a certain amount of water to the correct level. To the filter automatic valve is mounted, which performs the backwashing process at a given time or at a certain pressure on the filter. Automatic dosing system regulates pH value and

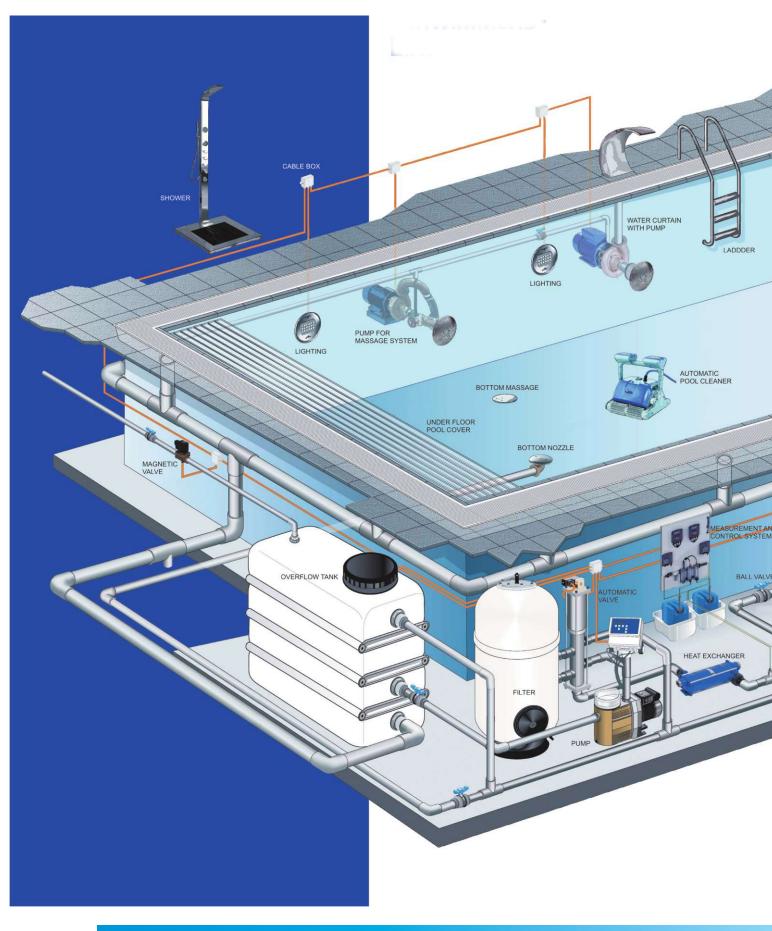
> cares about disinfection of the pool water. It can also dosed coagulant, which crystallizes water and an anti-algae substances. Important element is device for heating water. From boiler hot water is pumped to a heat exchanger, where heat is given to the pool water. The heat pump and collectors are devices supporting pool heating, although at high air temperatures take over the whole function of heat water in the pool. It is worth to have them in the pool, because of ecological and economic reasons. The whole devices work is controlled by filter control box, where all of the devices cables are connected. The control box has temperature sensor, timer, various relays, which on and off the power supply of the devices. Important thing is also the pool cover, which effectively reduce heat loss and helps to heat pool by sunlight. In the picture is cover of hard PVC

that protects children from falling into the water. On the right side you can see counter-current system. It is permanently placed in the pool wall. At the time of building the pool it is worth to install the wall- pack and other items can be mounted even in a few years. There are also massage devices mounted on the edge of the pool, which can be installed at any time. They fulfill the same function. The drawing shows also two headlights. Electric cables from the lamps through the connection box

leads to 12V transformer. For the pool installations should be used pipes and fittings of hard, gray PVC. For the pump capacity 10 m³/h are enough cross section of 50 mm, for 20 m³/h cross section 63 mm, for 32 m³/h cross section 75 mm. On the pipes ball valves are mounted. The lack of adequate amount of valves can cause problems in the case of repair. On the bottom you can see the working pool robot. It cleans pool bottom and walls. Some models have the ability to manually control by the remote. Automatic pool cleaner saves your time in a simple way: when it works and cleans your pool, you deal with other more interesting things.



Pool with overflow gutter



6

BASENHURT.com EXPORT

FXPORT

Pool with overflow gutter

COUNTER-CURRENT SYSTEM SOLAR COLLECTOR

TRANSFORMER

CONTROL BOX FOR OVERFLOW The picture shows the pool with a overflow gutter. This is the most common type of pool in hotels and other public places. The water evenly enters into the gutter from all over pool surface. Water flows through a collecting pipe to the overflow tank by the gutter drains. When the water reaches a certain level in the tank, the pump sucks water from the filter tank. Everything is controlled by five electrodes and control box. They measure the actual water level in the tank. If the water is too little, the filter pump is switched off and the magnetic valve opens allowing fresh water comes in the tank. When the water reaches a certain level, the valve closes and the filter pump turns on and filtered water again. When a lot of people use the pool and create the waves, the filter pump is unable to pumped all of the water. Excess of water flows then into the channel. The pool with overflow gutter is a ideal element of the hall landscape or garden. In this pool there is not skimmer. To the filter automatic valve is mounted, which performs the backwashing process at a given time or at a certain pressure on the filter.

pressure on the filter. Automatic dosing system regulates pH value and cares about disinfection of the pool water. It can also dosed coagulant, which crystallizes water and an anti-algae substances. Important element is device for heating water. From boiler hot water is pumped to a heat exchanger, where heat is given to the pool water. The heat pump and collectors are devices supporting pool heating, although at high air temperatures take over the whole function of heat water in the pool. It is worth to have them in the pool, because of ecological and economic reasons. The whole devices work is controlled by filter control box, where all of

the devices cables are connected. The control box has temperature sensor, timer, various relays, which on and off the power supply of the

devices. Important thing is also the pool cover, which effectively reduce heat loss and helps to heat pool by sunlight. In the picture is cover of hard PVC that protects children from falling into the water. It slides out from under the water. On the right side you can see counter-current system. It is permanently placed in the pool wall. At the time of building the pool it is worth to install the wall- pack and other items can be mounted even in a few years. There are also massage devices mounted on the edge of the pool, which can be installed at any time. They fulfill the same function.

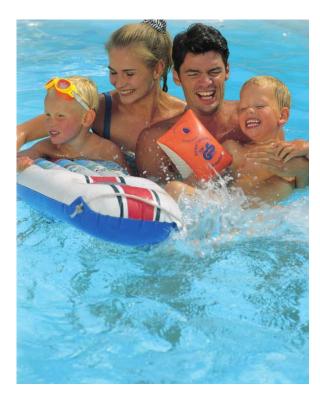
The drawing shows also two headlights. Electric cables from the lamps through the connection box leads to 12V transformer. For the pool installations should be used pipes and fittings of hard, gray PVC. For the pump capacity 10 m³/h are enough cross section of 50 mm, for 20 m³/h cross section 63 mm, for 32 m³/h cross section 75 mm. On the pipes ball valves are mounted. The lack of adequate amount of valves can cause problems in the case of repair. On the bottom you can see the working pool robot. It cleans pool bottom and walls. Some models have the ability to manually control by the remote. Automatic pool cleaner saves your time in a simple way: when it works and cleans your pool, you deal with other more interesting things.

Elements of the pool installation – introduction

It is important to properly select the components for your swimming pool. For simplicity we grouped them in series called Editions. All elements in given edition fit together in terms of color, material and quality. There are following groups: Bronze Edition, Stainless Edition, White de Luxe Edition, White-Steel Edition, White-Steel de Luxe Edition, Black Edition, Chrome Edition. No matter which group you choose, contain in elements fit together. You should not do coloristic mess in your own pool. Assembly of components must be performed by a professional company, because it will be done properly. How to find a specialist? It is not difficult. The real specialist has something to be proud of and can show you his realizations. Your satisfaction will then be greater when your pool will be made by professionals with experience, not by one who will learn how to build pool. Our drawings will give you only a general image. Please observe the following points: all parts should be closely linked to the wall, during installation take into account the thickness of the plaster or tiles, after assembly of elements the plaster must be smoothly obliterated. With concrete pool, where formwork is used, be careful to avoid damaging the elements during pouring with concrete. If the pool is surefire, mounted parts should protrude the thickness of the plaster and all visible threads must be protected against from entering concrete or plaster.

RT com

FXPART



Number of elements for assembly

For pool width 4 m one skimmer is enough, above this width should be mounted at least two pieces. Bottom drain not only serves to empty the pool, but it affects on the better water cycle. Pay attention to the flow of these elements during the installation of the skimmer and inlet nozzles. If the filter pump has capacity 10 m³/h and the skimmer has flow eg. 6 m³/h, the pump will have problems with sucking the water (manifested by air bubbles under the pump cover) and will retrieve only 6 m^3/h . The same is with nozzles. The small amount of nozzles causes pressure increase on the filter and and insufficient amount of filtered water entering into the pool. Therefore it is better to mount one more inlet nozzle. Underwater headlights are important. It is a mistake to opt out from the lighting. Pool in the hall can not be illuminated from the top, mind this water mirror that reflects light mostly in the form of waves on the walls. With outdoor pool the lighting is even more needed. Hardly anyone enter willingly into the dark water. Can not see if something does not lie on the bottom. When sitting on the terrace, underwater lighting creates a visually pleasing atmosphere. Lightens not only the water, but also a garden.

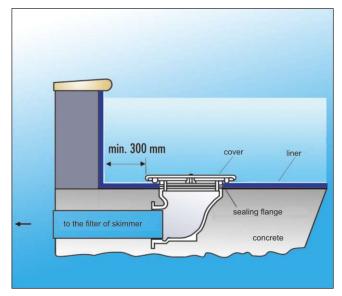
Pool size (in meters)	3 x 5	4 x 6	4 x 7	4 x 8	4 x 9	4,5 x 9	5 x 10	6 x 12
Amount of water at 1,35 m of water	20 m ³	32 m³	38 m³	43 m^3	49 m ³	55 m³	68 m ³	98 m ³
Bottom drain	1	1	1	1	1	1	1	1
Skimmer	1	1	1	1	1	2	2	3
Inlet nozzles	2	3	3	4	4	4	4	6
Wall culverts	2	3	3	4	4	4	4	6
Lamps	1	2	2	2	2	2	3	4
Filter diameter approx. (in millimeters)	400	400	450	500	600	640	640	760
Pump capacity (m³/h)	6	8	8	11	11	14	14	20
Pump working time in hours/day approx.	10	12	14	12	14	12	14	15
Power consumption kW/h per day	1,72	2,60	3,44	5,20	5,85	6,50	8,50	11,1

HURT com INSTALLATIONS IN THE POOL

FXPNRT

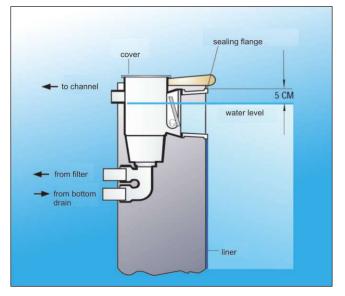


Elements of the pool installation – introduction



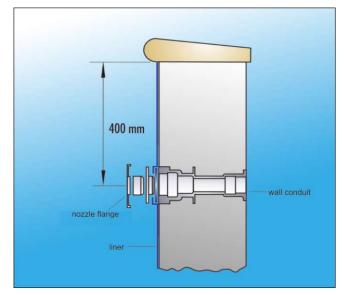
Bottom drain

All bottom drains are supplied with thread 2". Prior to pouring the floor, you must mount bottom drain with pipe 63 mm in the steel truss. The end of the pipe must protrude beyond the wall and must be clogged. The hole in the drain should be clogged with eg. paper. Thanks to this, drain is clean inside.



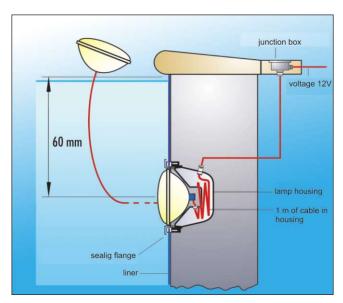
Skimmer

When installing the skimmer, be sure it was installed vertically. In skimmers it is possibility to mount water level controller. Then, it is required to connect fresh water conduit already during building the pool. Also should be considered draining of water excess from skimmer to the channel.



Inlet nozzles - wall culvert

Inlet nozzles screw-in at the end, after lining with liner or tiles. Some models of nozzles require mounting in the wall the nozzle element with thread together with wall culverts. Wall culverts are mounted in the holes left in the wall or fastened in the formworks. Be careful of stable mounting in the forworks.



Underwater lighting

It should be installed according to the drawing. Around headlight wrap about 1 m cable and leave it in a lamp housing. If you will need to change a bulb, lamp insert can then be easily remove and replace the bulb, without the need to draining the water.

Elements of the installation BRONZE EDITION

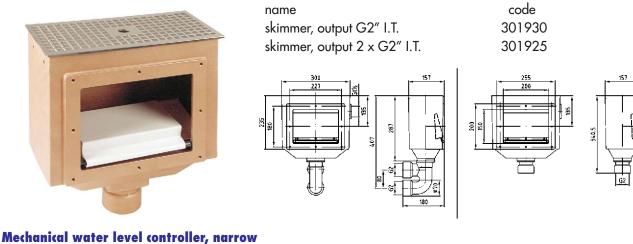
BRONZE EDITION is the most unique and exclusive series of elements to the pool. Made extremely precise, as pressured astings of bronze alloy, characterized by great durability and sturdiness. All elements are also available in version for salt water of any salinity. Elements can also be ordered in any RAL color.

EXPORT

LRT com

Skimmer, extra-shallow design, made of bronze

Skimmer with a mounting depth of only 160 mm. Whole hides in the pool wall.



ø78

It is mounted as a separate element. The water inlet to the regulator is done by the shell (not included).



Accessories:



nechanical	water level	controller,	narro	w, 140 mm	ı	302140
	213			6 1 40 0	134	

code name tile frame for narrow skimmer 301916 tile frame for narrow water regulator 301918 flange set with frame for skimmer, liner pool 302228 flange set with frame for skimmer, tile pool 302236 flange with inlet shell, liner pool 324663 shell, G2" E.T., for tile pool 324498





code

8



Elements of the installation BRONZE EDITION

Skimmer Standard from bronze

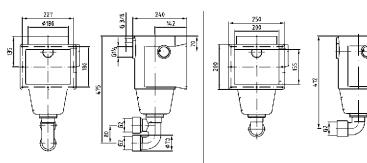
Standard skimmer Bronze Edition with mount depth 240 mm. It has connections of flow to a channel, mechanical or electronic water level control.

name

skimmer Standard, output G2" I.T. as above, output G2" I.T. and connection of bottom drain 301914

code

301906





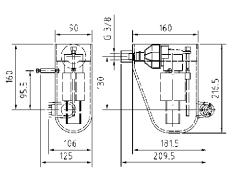
Mechanical water level regulator

Connected to the skimmer Standard and mounted together in the pool wall. In housing there is a mechanical float, which opens valve and pours the water into the skimmer.

name mechanical water level regulator of skimmer Standard

302147

code





Electronic water level regulator

Connected to the skimmer Standard. The electronic sensor is placed in a special chamber of the skimmer. It runs electrovalve, which pours water into the pool.







Elements of the installation BRONZE EDITION

Accessories to skimmer Standard



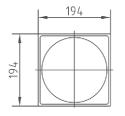
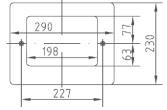
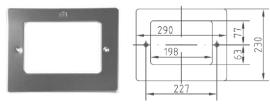


plate frame of skimmer code 302910





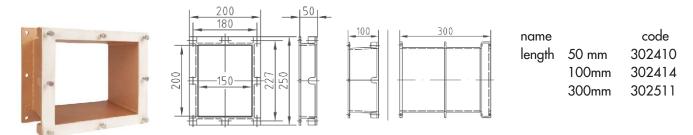
front frame for liner pool code 302228



front frame for tiles pool code 302236

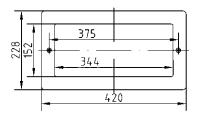
Skimmer extension

Mounted with shallow and standard skimmer. It extends the skimmer neck, if required by the thickness of the wall. Extensions can be connected together. Includes screws and gaskets for permanent and tight connection with skimmer. Elements can be embedded in concrete without worrying. Screws and gaskets are indestructible.



Skimmer widening for shallow and standard skimmer. Allows quick collecting water from a larger area of the pool. Includes screws and gaskets for connecting with skimmer.





name	code
skimmer widening	302515
front frame	302520
sealing flange for liner	302525



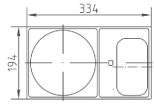
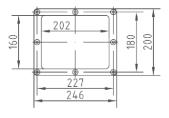


plate frame of skimmer and regulator code 302937



com

FXPNRT



front frame for garden pool code 302233

hose connection stopper from bronze, G11/2" E.T.

code 302300

code 302856

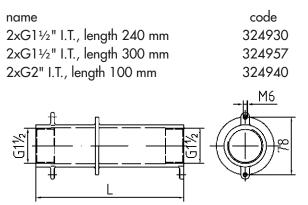
HURL com INSTALLATIONS IN THE POOL



Elements of the installation for tiles pools BRONZE EDITION

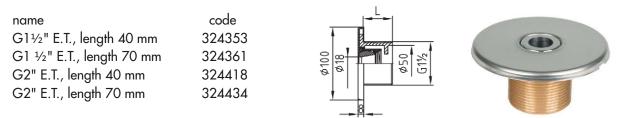
Wall culvert is a solid pressure casting of bronze alloy. Assembly in the formwork through of located on it handles. Wall culvert for elements with thread 2" should be selected from the elements for liner pools.

EXPORT





Inlet nozzle made from the best steel A4. Perfect workmanship and flat cover of 6 mm, gives it an elegant design. After assembling, the nozzle slightly sticks out from the wall. The inlet eye 18 mm is adjustable.



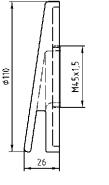
Nozzle with adjustable flow amount, allows to dispersed direction of the water.

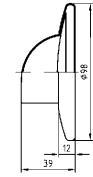
name G1½" E.T., length 40mm G2" E.T., length 40mm G2" E.T., length 70mm	code 324500 324510 324515		
----------------------------------------------------------------------------------	------------------------------------	--	--

Shell performs several functions: water abstraction for measurement automatic dosing system, as a directional inlet nozzle of water from the filter in the narrow chambers or in the stairs etc. Chrome cover or from polished steel A4.

name	code
G1½" E.T., length 30 mm, chrome	324491
G2" E.T., length 40 mm, chrome	324505
G1½" E.T., length 40 mm, steel	324496
G1½" E.T., length 70 mm, steel	324495
G2" E.T., length 40 mm, steel	324498
G2" E.T., length 70 mm steel	324499









Elements of the installation for tiles pools BRONZE EDITION

Bottom nozzle made from bronze, cover of the highest quality steel A4. Adjustable amount of water flow depending on the water pressure, in the range of 1 to $4 \text{ m}^3/\text{h}$. Cover diameter 130 mm.



name	code
vertical, G1½" E.T.	324300
angular, G1½" E.T.	324307
vertical, G2" E.T.	324330

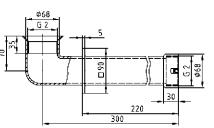
Reducing sockets of bottom nozzle, which are glued in the casing pipe DN100, which is used when installing piping in the pool bottom, before pouring the floor. More on assembly drawings.



name	code
PVC reducing socket 99/63 mm	324320
PVC union 99 mm x G11/2" I.T.	324321
PVC union 99 mm x G1½" E.T.	324322
PVC union 99 mm x G2" I.T.	324323

Wall culvert of bottom nozzle made from bronze, 90 degrees, length 300 mm, internal thread 2", code 324318.





Hose connections



 name
 code

 40 mm x G2" E.T, steel
 324523

 70 mm x G2" E.T., steel
 324525

 40 mm x G2" E.T., chrome
 3910000

 hose union 38 mm
 324560

 connection stopper
 324555

Horizontal bottom drain with steel cover from A4, output at an angle of 90 degrees, internal thread 2", code 324914.



Vertical bottom drain with steel cover from A4, straight output, internal thread 2", code 324736.





Elements of the installation for liner pools BRONZE EDITION

Wall culvert is a solid pressure casting of bronze alloy. Installation in the formwork is possible. Specially shaped front of the wall culvert with threaded holes is used to screw-in the flange gasket after liner assembly.

EXPORT

name G2" I.T. x 1½", length 100 mm G2" I.T. x 1½", length 240 mm	code 324610 324612	
G2" I.T. x 1½", length 340 mm	324620 324605	
G2" I.T. x 2", length 200 mm G2" I.T. x 2", length 240 mm	324600	
G2" I.T. x 2", length 300 mm	324615	

Inlet nozzle made from the best steel A4. Perfect workmanship and flat cover of 6 mm, gives it an elegant design. After assembling, the nozzle slightly sticks out from the wall. The inlet eye 18 mm is adjustable.

name nozzle flange from steel	code 324655	AHA (CO)	() () () () () () () () () ()
G1½" E.T., length 40 mm	324055		
G2" E.T., length 40 mm	324469		
end plug of bronze nozzle	324698		

Shell performs several functions: water abstraction for measurement automatic dosing system, as a directional inlet nozzle of water from the filter in the narrow chambers or in the stairs etc. Chrome cover or from polished steel A4.

name	code			
flange with seal, steel	324663	(and)	6	
G1½" E.T., length 40 mm, steel	324492			
G2" E.T., length 40 mm, steel	324493	et Albert		
G2" E.T., length 40 mm, chrome	324505			
flange with gasekt	324540			

Bottom nozzle made from bronze, cover of the highest quality steel A4. Adjustable amount of water flow depending on the water pressure, in the range of 1 to $4 \text{ m}^3/\text{h}$.

name flange with gasket vertical G1½" E.T. angular G1½" E.T. vertical G2" E.T.	code 324302 324300 324307 324330			
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Elements of the installation for liner pools BRONZE EDITION

Reducing sockets of bottom nozzle, which are glued in the casing pipe DN100, which is used when installing piping in the pool bottom, before pouring the floor. More on assembly drawings.



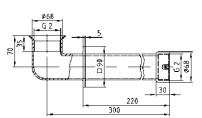




name	code
PVC reducing socket 99/63 mm	324320
PVC union 99 mm x G1½" I.T.	324321
PVC union 99 mm x G1½" E.T.	324322
PVC union 99 mm x G2" I.T.	324323

Wall culvert of bottom nozzle made from bronze, 90 degrees, length 300 mm, internal thread 2", code 324318.





Hose connections



Bronze nuts for nozzles used in liner pools with the wall of the sheet or plastic. Set consists of two gaskets. Nuts are mounted with nozzles, which are used in tiles pools.

code
324574
324582
324584







Elements of the installation WHITE-STEEL de LUXE EDITION

It is time for steel revolution in your pool! Bet on quality!

Elements of the pool installation WHITE-STEEL de LUXE EDITION gives you the highest quality from the elements made of plastic. Made from a mixture of plastics, specially developed in the manufacturer laboratory. Covers from stainless steel AISI 316/V4 have an attractive design and are made according to the restrictive production standards and are resistant to the harmful effects of chlorine. The elements are designed to liner and tiles pools. In the bodies metallic internal threads are embedded.



	name	code
1.	skimmer deLUXE, output 50 mm I.G. and G2" E.T., recommended flow 8 m³/h	21500
2.	extension of skimmer de LUXE 25 cm	21512
3.	skimmer wide deLUXE, output 50 mm I.G. and G2" E.T., recommended flow 8 m³/h	21502
4.	bottom drain deLUXE, max. flow 15 m³/h, output G2" I.T.	21504
5.	outlet nozzle deLUXE, recommended flow 5 m³/h, for mounting in wall culvert de LUXE	21506
6.	wall culvert deLUXE	21508
7.	inlet nozzle de LUXE for garden and liner pools, recommended flow 5 m³/h	21510
8.	height extension of skimmer de LUXE of 45 mm	21514

Elements of the installation STAINLESS EDITION

Unbeatable and sophisticated pool elements of a series STAINLESS EDITION are made of high quality, Swedish steel AISI 316. You do not need any additives, as they are offered as a complete, ready to install elements with front frame, top cover and gasket. Individual models differ from each other of mount depth in the wall. Height of the cover is adjustable from 3 to 12 cm.

code 112971

112978 112972

112979

code

112991

112998

112992

112999

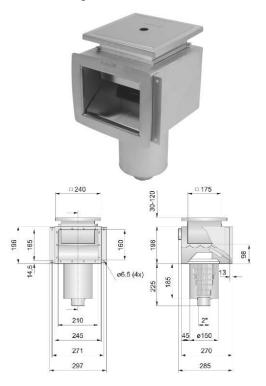
RASE

EXPORT

HURT.com

Skimmer	Stainless	Edition	MINI
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name
skimmer MINI from steel, for liner
as above, but with connection for
water level regulator
skimmer MINI from steel, for tile
as above, but with connection for
water level regulator



Skimmer Stainless Edition MAXI

name

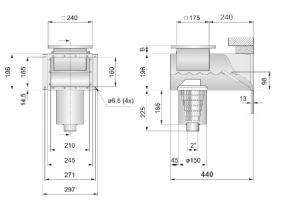
liallie
skimmer MAXI from steel, for liner
as above, but with connection for
water level regulator
skimmer MAXI from steel, for tile
as above, but with connection for
water level regulator

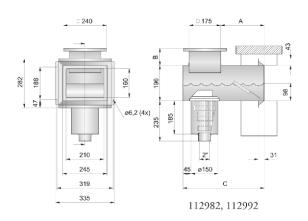


Skimmer Stainless Edition MIDI

name	code
skimmer MIDI from steel, for liner	112981
as above, but with connection for	
water level regulator	112988
skimmer MIDI from steel, for tile	112982
as above, but with connection for	
water level regulator	112989







Set preventing the destruction of skimmers in the liner pool wall code 112900 BASENHURT.com INSTALLATIONS IN THE POOL

Elements of the installation STAINLESS EDITION

Wall culvert Stainless Edition

name	code
L. 290 mm, front I.Tback G1½" E.T.	12670
L. 255 mm, front-back G1½" I.T.	12640
L. 600 mm, front I.Tback G1½" E.T.	12675
L. 600 mm, front-back G2" E.T	126751

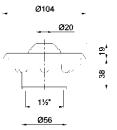


Inlet nozzles Stainless Edition

name	
inlet nozzle from steel G1½" I.T., for liner	
inlet nozzle from steel G1½" E.T., for tile	



EXPORT



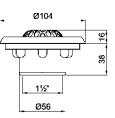
Bottom nozzle Stainless	Edition	F
name	code	1 des
G1½" E.T., for tile	12550	1
G2" E.T., for tile	12560	





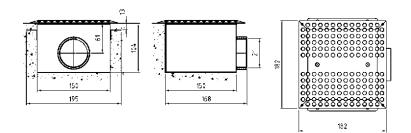
Suction nozzle Stainless Edition	
name	code
with sieve, G1½" I.T., for liner	12652
with sieve, G1½" E.T., for tile	12650
hose connection G1½" I.T.	12673





Bottom drain Stainless Edition

name	code
G2″ I.T., for tile	125935
G2" I.T., for liner	125930





Elements of the installation WHITE-STEEL EDITION

Series to the pool WHITE-STEEL EDITION gives a unique effect in the pool. White plastic parts with finishes of the highest quality stainless steel AISI 316. Precise workmanship quality is unquestionable advantage. Ideal alternative for items made entirely of steel or white plastic. All elements of the same color. Interior of the skimmer and flap are also covered with steel.

EXPORT

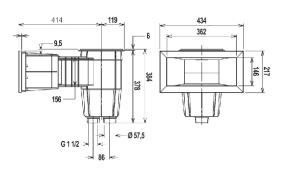
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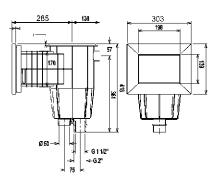
Skimmer WHITE-STEEL EDITION max. 8 m^3/h , output G2" E.T. and 50 mm I.G., flow connection. Suitable for installation in liner, polyester and tiles pool.





name code skimmer Standard 21400 skimmer wide 21403





Bottom drain WHITE-STEEL EDITION

name	code
max. 13 m³/h, output G2" I.T.	21407

Inlet nozzle WHITE-STEEL EDITION

name	code
flow 5 m³/h, G2" E.T.	21410

Hose connection WHITE-STEEL EDITION

name	code
flow 5 m³/h, G2" E.T.	21413





R

G 1 1/2" Ø 160 Ø 216

Ø 112

ΠŢΠ

G 2"

а

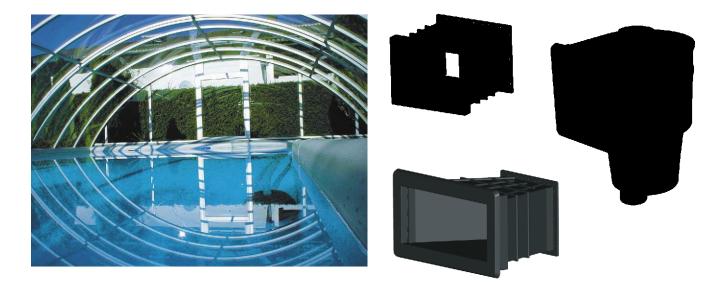
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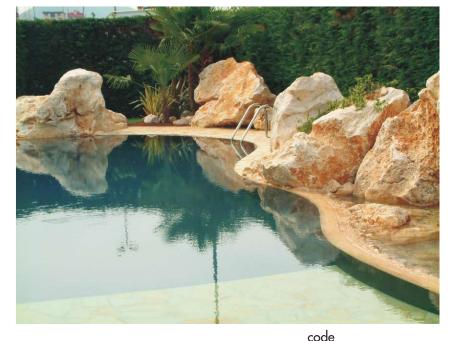


Elements of the installation BLACK EDITION

Great design of your pool can give black parts from plastic from series Black Edition. Made from a mixture of plastics, specially developed in the manufacturer laboratory. Are made according to the restrictive production standards and are resistant to the harmful effects of chlorine.







name

name	code
black skimmer, output 50 mm I.G. and G2" E.T., recommended flow 8 m³/h	21520
extension of black skimmer 25 cm	21522
extension and widening 25 cm for black skimmer	21524
black bottom drain, max. flow 15 m³/h, output G2" I.T.	21526
black outlet nozzle, 5 m³/h, for mounting in wall culvert	21528
wall culvert (only white)	21530
black outlet nozzle, recommended flow 5 m³/h	21532
black lamp, white light 300 W, 12V	21534
black lamp, white LED light 15 W, 12V	21534led
black lamp, color LED light 15 W, 12V	21534 led rgb

Elements of the installation WHITE EDITION

Completely snow-white elements from high quality plastic from series White Edition. Produced in Europe with exceptional attention to quality and accuracy of workmanship.

com

FXPART

Skimmer Euro with optimal flow of 8 m³/h. One skimmer collects water to the filter from approx. area of 25 m², and wide skimmer from area of 35 m². Extended skimmer has neck of 23 cm. Suitable for any type of pool.



name	code
skimmer Euro	20410
skimmer wide Euro	20420
skimmer extended	20445

Nozzle Euro universal and snow-white. A special outlet from the nozzle allows to obtain several flows: 3, 5, 7 m³/h. A complete nozzle with external thread G2".



Wall culvert Euro made fromABS, length 30 cm, internal thread G2", at the back I.G. 50 and external thread G2



Bottom nozzle with adjustable flow amount. Maximum flow 12 m³/h. Made from plastic in white color. A complete nozzle with external thread G2".





name	code
for liner pool	24250
for tile pool	24255

Hose connection Euro mounted in the wall for connecting manual vacuum cleaner of the pool. Required in pools with overflow gutter, as well as in pools with several skimmers. Made from plastic in white color with external thread G2".





code
24240
24243

Bottom drain Euro made from ABS in white color. Suitable for any type of pool. Maximum flow 13 m 3 /h, thread G2" I.T.



name	code
bottom drain Euro, H. 15 cm	24300
bottom drain Euro type A, H. 20 cm	24300a
bottom drain Euro Mini, H. 10 cm	24302



Elements of the installation WHITE de LUX EDITION

Bet on the quality of the pool elements WHITE de LUX EDITION. Made from a mixture of plastics, specially developed in the manufacturer laboratory. The elements are made according to the restrictive production standards and are resistant to the harmful effects of chlorine. The elements are designed to liner and tiles pools. In the bodies metallic internal threads are embedded.



name

	name	code
1.	skimmer White de LUX, output 50 mm I.G. and G2" E.T., recommended flow 8 m³/h	21540
2.	extension of skimmer de LUXE 25 cm	21512
3.	extension and widening 25 cm for skimmer White de LUX	21542
4.	bottom drain White de LUX, max. flow 15m³/h, output G2" I.T.	21544
5.	outlet nozzle White de LUX, recommended flow 5 m³/h,	
	for mounting in wall culvert de LUX	21546
6.	wall culvert de LUX	21508
7.	outlet nozzle White de LUX for garden and liner pools, recommended flow 5 m³/h	21548
8.	height extension of skimmer de LUX of 45 mm	21514

Elements of the installation CHROME EDITION

INSTALLATIONS IN THE POOL

Unique series Chrome Edition, the white elements for pools with finishes of covers in silver color. Undoubtedly the highest quality of workmanship is an alternative to steel elements. Silver color is identical for all parts. The parts are not painted, but coated with color using plasma technique. Thanks to unique promoters of adhesion, the layer is durable. But do not think, that it is everlasting layer. The elements may be destroyed and need to be replaced. Suitable for any type of pool.





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FXPNRT

name skimmer Chrome Edition code 24305



Inlet nozzle Euro Chrome Edition entirely in silver color. Nozzle flow is $5 \text{ m}^3/\text{h}$. A complete nozzle with external thread G2".

name	code
nozzle Chrome Edition	24315
wall culvert Euro	24200

Bottom drain Euro Chrome Edition made from ABS with cover in silver color. Maximum flow 13 m^3/h , internal thread G2".

name	code
bottom drain Chrome Edition, height 15 cm	24310

Lamp Euro Chrome Edition with frame in silver color. Set with niche, gaskets and bulb.

name	code
lamp Chrome Edition 300 W, 12 V	24320
lamp LED Chrome Edition 15 W, 12 V, white	24320led
lamp LED Chrome Edition 15 W, 12 V, color	24320led rgb



URL com INSTALLATIONS IN THE POOL



Miniskimmer made from plastic. Suitable for garden pools with walls from sheet or plastic. Should not be installed in a concrete wall. Flow 5 m³/h. out put from the miniskimmer internal thred G1½". Available in 3 versions, also with water level regulator, mounted in skimmer.

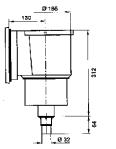
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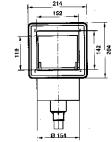
name	code
miniskimmer	20300
masking frame	20306



code 20303 20307







name miniskimmer wide w. water level regulator masking frame

code 20304 20307





Skimmer suspended is an universal skimmer for assembly in already existing pool. The set includes basket, vaccum connection, inlet nozzle, dysza wlotu, connection hoses. The skimmer tubes are not glued, so it can be easily adjusted to the pool wall.

name skimmer suspended

code 05502







Water level regulators

Water level regulators automatically complement and keep specified level of the water. Thanks to the regulator, comfort of using the pool clearly increases. We distinguish electronic and mechanical water level regulators. When mounting electromagnetic valve, additional filter should be installed, which will catch impurities in the water mains.

FXPART

Ele	ctron	ic wa	iter	lev	/el	re	gulat	or
Sw	im-te	(

is a simple and reliable device, mounted in a skimmer.

name

rime-da-

regulator without valve 309060 with valve ½", 230 V 309065

code

set with flow sensor, control box, without valve, code 309124.

Electronic water level regulator



Electronic regulator BNR 2005 A sensor of regulator is mounted in the skimmer. In set: control box, floating water level probe 12 V, elements for mounting and additionally electrovalve allowing water flows. Five meter sensor cable can be extended upt to 100 m. Start delay approx. 15/20 seconds.



name	code
BNR 200S with valve ½", 230 V	309120
as above, but without valve	309122

Electronic regulator BNR 55 A sensor of regulator is mounted in the skimmer. In set: control box, water measurement probe 7 V, element for mounting and additionally electrovalve allowing water flows. Five meter sensor cable can be extended upt to 100 m. Start delay between 1-4 minutes.



name	code
BNR 55 with valve ½", 230 V	309028
BNR 55 with valve ½", 24 V	309020
without valve, 230 V	309117
without valve, 230 V	309022

Mechanical regulator with built-in floating valve. Mounted in the pool wall separately. Connection for the water 3/8". Water inlet into the regulator through shell or nozzle (not included).



name code regulator from plastic 20440 regulator from bronze 302140



Electrovalves

name electrovalve ½", 230 V electrovalve ¾", 230 V electrovalve ½", 24 V

code	
309141	
309142	
309140	



for mounting in the skimmer V 20. Connection for the water $\frac{1}{2}$ ". code 20825





Water lighting in the pool

Pool increases the value of your home and garden. Pool provides detente through sports activity in the water, is a refreshing, healthy and relaxing. One of the most important things from additional equipment are underwater lights. It is not worth to give them up. The pool in a hall you can not illuminate from the top, mind this water mirror, which reflects th light on the walls. In the open pools headlights are even more necessary. The dark water surface is not pleasant.



Number of mounted light sources depends on the surface of the pool, its destination and needed size of the light stream. The distance of lighting determines the curve of the light beam, which, for each type of bulb, is different. Lighting fulfills its role, only if appropriate transformers are used. Proper transformer decides about the quality of the lighting and the life of the bulb. The voltage drop of 1 V results a drastic reduction in the amount of light, for example lamp 300 W at 12 V has 6000 lm, and at 11 V has 4300 lm. With LED lamps 12 V, voltage drop causes violently redution of the bulb lifetime. It is important to use proper transformer, which will always generate a constant voltage. Our transformers are the most appropriate, because they have possibility of adjusting voltage in the range 12-14 V. Before turning on lamps, you need to check voltage using the electric meter. With LED lamps with different voltage than 12 V, you need to use only factory power supplies, which guarantee constant voltage and required intensity. There are several types of lighting: traditional, halogen, LED. Before choosing lighting, it is worth considering, taking into account several factors. It is worth go with the times and choose LED lamps, which are the most favorable choice in total. They have the highest efficiency, ie the ratio of the emitted light power to consumed electricity, which amounts for LED approx. 25%, for halogen 7%, for traditional bulb approx. 3%. LED lighting has the highest luminous efficacy, which is the ratio of emitted luminous flux to consumed electrical energy, expressed in the unit lm/W (lumens/Watt). For LED one color it is approx. 100 lm/W, for standard bulb: 10-15 lm/W, for halogen: 15-20 lm/W, for glow-tube: approx. 60 lm/W. The choice of LED lighting is an investment, which returns in a very low operating costs, consisting of: low current consumption, lack of maintenance, lack of frequent purchases of new bulbs.

According to current standards, to achieve good underwater lighting, allowing the camera to film under water, the following values should be taken:

Standard bulb: approx. 20-25 W/m² of water surface, 400-500 lm/m²

LED: approx. 1-5 W/m² of water surface, 100-500 lm/m^2

LED RGB: approx. 2-7 W/m² of water surface, 100-500 lm/m^2 .

For private swimming pools shall be adopted in less value. With lamp is given a power [W] and stream [lm].

The formula for the calculation of the required numbers of lamps:

water surface in $m^2 x$ number of lumens per 1 m^2 /stream of the lamp in lumens.

Example: pool with surface of 96 m², number of lumens per 1 m²= 300 lm/m^2 , stream of the lamp- 7200 lumens. 96 x 300/7200= 4 lamps.

For placement lamps in the pool is helpful light curve of the lamp.

Cable cross specified by qualified electrician.



Illumination the pool with LED lamps

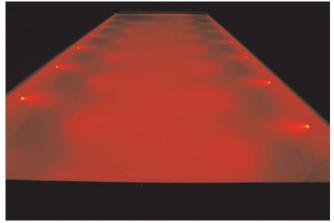
This is a completely new way for lighting the pool. The LEDs lighten water in an amazing way. A special advantage of this lighting is a very long lifetime of bulbs, low current consumption, lack of maintenance activities, no thermal problems associated with heating up the bulbs. Depending on the size of the pool and desired effect is calculated the appropriate quantity of the lamps. RGB lamps are changing colors. Deciding on LED lighting, remember that running costs are very low and quickly compensate for investment costs. LED lamps have a high efficiency of 25%. Efficiency is the ratio of the emitted light power to electrical energy used. LED lamps are characterized by high luminous efficacy approx. 100 lm/W (standard bulb has 15 lm/W). Luminous efficacy is the ratio of emitted luminous flux to electrical energy consumed. LED lamps have also long lifetime up to 50000 working hours. LED lamps are available in several variations in terms of color temperature and angle of propagation of light.

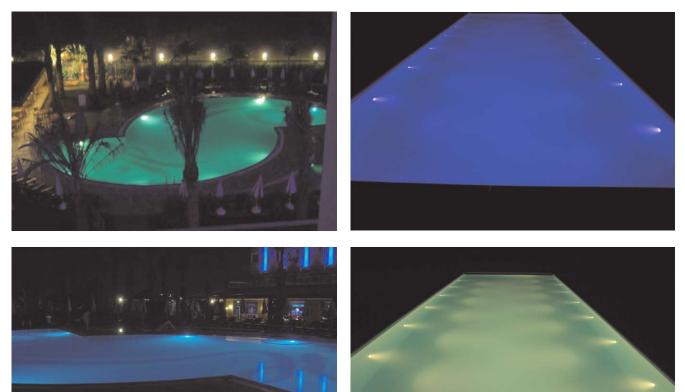
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The photo shows difference between LED lighting and lighting with standard bulbs 300 W.





HURT.com INSTALLATIONS IN THE POOL



Lamp Euro White Edition made from plastic, set with niche and gaskets. Frame from plasticRamka z tworzywa.

FXPNRT



name	code
lamp 12 V, 300 W, 6000 lm	24400
lamp 12 V, 15 W, LED white 1000 lm	24400 led
lamp 12 V, 15 W, LED color 720 lm	24400 led rgb
lamp 12 V, 20 W, LED white 2400 lm	24400 led maxi
lamp 12 V, 10 W, LED color 2400 lm	24400 led rgb maxi

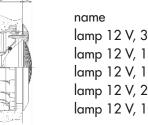
Lamp Euro White-Steel Edition made from plastic, set with niche and gaskets. Steel frame = overlay.



name	code
lamp 12 V, 300 W, 6000 lm	24405
lamp 12 V, 15 W, LED white 1000 lm	24405 led
lamp 12 V, 15 W, LED color 720 lm	24405 led rgb
lamp 12 V, 20 W, LED white 2400 lm	24405 led maxi
lamp 12 V, 10 W, LED color 2400 lm	24405 led rgb maxi

Lamp Euro Chrome Edition made from plastic, set with niche and gaskets. Silver frame from plastic.





name lamp 12 V, 300 W, 6000 lm lamp 12 V, 15 W, LED white 1000 lm lamp 12 V, 15 W, LED color 720 lm lamp 12 V, 20 W, LED white 2400 lm lamp 12 V, 10 W, LED color 2400 lm

code 24320 24320 led 24320 led rgb 24320 led maxi 24320 led rgb maxi

Lamp Black Edition made from plastic, set with niche and gaskets. Frame from plastic.



name lamp 12 V, 300 W, 6000 lm lamp 12 V, 15 W, LED white 1000 lm lamp 12 V, 15 W, LED color 720 lm lamp 12 V, 20 W, LED white 2400 lm code 21534 21534 led 21534 led rgb 21534 led maxi





Pool lighting

Lamp Stainless Edition made from stainless steel AISI-316, set with niche and gasket embossed from 1 piece of sheet metal, not welded, which gives 100% of tightness.

name	code
for liner pool	
lamp 12 V, 300 W, 6000 lm	314370
lamp 12 V, 15 W, LED white 1000 lm	314370 led
lamp 12 V, 15 W, LED color 720 lm	314370 led rgb
lamp 12 V, 10 W, LED color 720 lm	314370 led rgb maxi
for tile pool	
lamp 12 V, 300 W, 6000 lm	314369



Lamp Bronze Edition niche made from bronze, frame from steel. For liner pools also a flange with gaskets is needed.

name
bronze niche
lamp insert 12 V, 300 W, 6000 lm
lamp insert 12 V, 15 W, LED white 1000 lm
lamp insert 12 V, 15 W, LED color 720 lm
lamp insert 12 V, 10 W, LED color 720 lm
flange with gaskets

code 314196 314115 314115 led 314115 led rgb 314115 led rgb maxi 314110





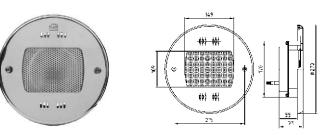
Halogen lamp Bronze Edition 50 W niche made from bronze, frame from steel. For liner pools also a flange with gaskets is needed. Ideal for stairs and small pools.





Pool lighting

Underwater loudspeaker made from the best stainless steel. The sound only audible under water. To hear music under water, one loudspeaker is enough for 35 m² pool surface. Operating frequency range is 100 Hz to 10 kHz.



name	code
bronze niche	314196
loudspeaker 30 W, 8 Ohm	314300
flange with gaskets	314110

Halogen lamp White i White-Steel Edition 50 W set with niche and gaskets. Ideal for stairs and small pools. Frame from plastic or steel, as a overlay.

	name halogen 12 V ,50 W white frame halogen 12 V ,50 W steel frame halogen MINI 12 V ,15 W LED white halogen MINI 12 V ,15 W LED color	code 17987 17989 17990 17991

Transformers for lamps provides the ideal voltage for the lamps 12V, which is 12,6V. Using others can void warranty. The modulator is needed for color LED lamps. The modulator includes a transformer, so is not needed extra one.

name	code
transformer	
100 W, 12 V	24700
200 W, 12 V	24701
300 W, 12 V ES	24702
300 W, 12-14 V	24703
600 W, 12-14 V	24707
modulator for lamps ledrgb	
and MINI	27818
remote for above	27820
modulator for lamps	
ledrgbmaxi with remote	27822





Accesories for pool lamps

Junction box from plastic for connecting lamp cables to transformer cables. Made from special material, resistance to pool water. Cover with rubber gasket. Special niche is mounted in the bottom next to the pool. Provides free access to the cable connections.





Niche from bronze for connecting lamp cables to transformer cables. Polished, stainless steel and tight cover. Special niche is mounted in the bottom next to the pool. Provides free access to the cable connections.

Controller for LED lamps using this device you can turn on the LED lamps via remote control.

name	code
1 channel controller of LED lamps max. 120 W	24865
4 channel controller of LED lamps max. 240 W	24867

Spare bulbs for replacing of worn. LED bulbs are mounted in place of the bulbs 300 W.

name 1. bulb 12 V, 300 W 2. LED 12 V, 15 W, white 3. LEDrgb 12 V, 15 W, color 4. LEDrgbmaxi 12 V, 10 W, color LEDmaxi 12 V, 20 W, white LED 12 V, 18 W, with remote, color	code 24850 24880 24882 24886 24881 24885		
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ASENHURT.com INSTALLATIONS IN THE POOL



POWER LED 24 VOLT perfection in every element

NEW GENERATION POWER LED 24 VOLT LAMPS are used for professional pool lighting. Industrial LED diodes are used in them, which are resistant to shock and there is no implosion risk. The characteristic quality features fulfill the requirements of the Low Voltage norms EN 61347-2-3 and norm EN 61047, norms on electromagnetic compatibility EN 61547, EN 55015, EN 61000-3-2, EN 61000-3-3, norms for laser light classification EN 62471 (for 24V and EN 60825 for 12 V). You do not meet it in other lamps. In RGB versions the LED technology is based on additive color mixing. To the power supply constant current is necessary, with exactly administered intensity. Only the original power supplies provide POWER LED lamps needed voltage and current. Using different may void the warranty. Standard facility in the cable length of 5 m, but are available as well with a cable of 10m. Selection of the cable from the lamp to the power supply above 10 m is made on the basis of a special diagram for POWER LED lamps. To ensure high durability you need to keep the following limits for the chemicals in the pool water: disinfectant to 1,0 mg/l, chlorides to 500 mg/l, pH 6,5-9,5. For items to salt water maximum concentration of NaCl is 6%. The POWER LED lamps are combined with each other in the power line. In one system of the lamps, you need exactly one overriding unit = ballast. Other lamps will be connected as a subordinate units to the AC adapter. Control can be done by external button, radio remote control or by module DMX 512 (via a computer).

Accessories for POWER LED 24 VOLT lamps:

name

power supply 24V for 2 white lamps 30er or 21er, 4 lamps 15er, 6 lamps 9er, 8 lamps 3er power supply 24V, for 2 color lamps 30er or 21er, 4 lamps 15er, 6 lamps 9er, 8 lamps 3er sub-distributor 24V for connection over 4 lamps

Accessories for POWER LED 12 VOLT lamps:

name
power supply 12V for 2 lamps 24x3 W
or 4 lamps 12x3 W white
ballast 12V for 2 lamps 24x3 W RGB
or 4 lamps 12x3W RGB
ballast 12V for 4 lamps 4x3 W RGB
power supply 12V for 8 lamps 4x3 W white
power supply 12V for 4 lamps 4x3 W white
Accessories for 24 and 12 VOLT lamps

Accessories for 24 and 12 VOLT lamps remote control receiver remote for changing colors dimmer/changer of lamp colors DMX module of LED lamp bronze niche for POWER LED lamps bronze niche for Mini lamps bronze niche for Midi lamps



INSTALLATIONS IN THE POOL

POWER LED 24 VOLT perfection in every element

Lifetime: 50.000 hours, Color temperature: 6000 K, 4500 K, 3000 K, Protection class: III IP 68 Amerage/voltage: 700 mA 24 V/DC SELV, Laser classification: EN 62471 photobiological security

30er POWER LED 24 V DC 2.0 \varnothing 270 mm, steel V4A

Power: 80 W Luminous flux: 13900				
	code			
30er Power LED 24V, 6000K, round	4000020		10	
30er Power LED 24V, 6000K, round RGB	40000220	1		(************************
30er Power LED 24V, 6000K, square	40700020	æ .	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	• 0000 a
30er Power LED 24V, 6000K, square RGB	40700220		10 10	
21er POWER LED 24 V DC 2.0 \varnothing 270 mm, ste				
Power: 56 W Luminous flux: 9950	m			
name	code		AND AND	111 111
21er Power LED 24V, 6000K, round	40100020			
21er Power LED 24V, 6000K, round RGB	40100220		ana I .	* 000 w
21er Power LED 24V, 6000K, square	40800020			
21er Power LED 24V, 6000K, square RGB	40800220			
.,,				
15er POWER LED 24 V DC 2.0 Ø270 mm, ste	el V4A			
Power: 40 W Luminous flux: 7100	m			(G)
15er Power Led 24V, 6000K, round, white co	de 40201020			((()) ·)
	de 40201220			
15er POWER LED 24 V DC 2.0 $arnothing$ 146 mm - M	idi			
Power: 40 W Luminous flux: 7100	m			maga
nazwa	code		code	
15er Power Led 24V, 6000K, round, white	40200020	RGB	40200220	0 () 0)
15er Power Led 24V, 6000K, square, white	40900020	RGB	40900220	000
	40700020	ROD	40700220	
9er POWER LED 24 V DC 2.0 Ø146 mm - Mic	li			
Power: 25 W Luminous flux: 4250				Vadiglas
name	code		code	(00)
9er Power LED 24V, 6000K, round, white	40300020	RGB	40300220	0 (2 2) 0
15er Power LED 24V, 6000K, round, white	41000020	RGB	40300220	
1 Ser Power LED 24V, 6000K, square, white	41000020	KGD	41000220	
3er POWER LED 24 V DC 2.0 \varnothing 110 mm - Mir	.:			
Power: 9 W Luminous flux: 1420				
		and the second s		
	code			42.00

40400020

40400220

41100020

41100220

3er Power LED 24V, 6000K, round, white RGB 3er Power LED 24V, 6000K, square, white



RGB





HURT.com INSTALLATIONS IN THE POOL



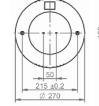
Pool lighting with POWER LED lamps

EXPORT

POWER LED lamp 12x3 W new model

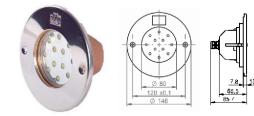
name	code
12V, power 12x3W= 36 W, white,	
cable 2 x1,5 mm², length 5 m, daylight	
with temp. 6000 K, 3600 lm	4147020
as above, but color temp. 3000K	4145020
as above, but RGB = color,	
cable 4x1 mm ²	4149020





POWER LED lamp 12x3 W MIDI

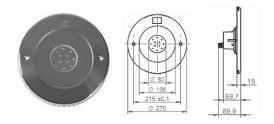
name	code
12V, power 12x3W= 36 W, white,	
cable 2x1,5mm ² , length 5 m, daylight	
with temp. 6000 K, 3600 lm	4269520
as above, but color temp. 3000 K	4269820
as above, but RGB = color,	
cable 4x1mm ²	4269720



s 10

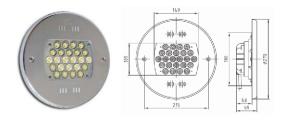
POWER LED lamp 12x3 W

name	code
12V, power 12x3W= 36 W, white,	
cable 2x1,5 mm², length 5 m, daylight	
with temp. 6000 K, 3600 lm	314401
as above, but RGB = color,	
cable 4x1 mm²	314411



POWER LED lamp 24x3 W

name	code
12 V, power 24x3W= 72 W, white,	
cable 2x1,5 mm², length 5 m, daylight	
with temp. 6000 K, 7200 lm	314449
as above, but color temp. 3000 K	4380420
as above, but RGB = color,	
cable 4x1 mm ²	314450



POWER LED lamp 4x3 W Mini

name	code
12 V, power 4x3W= 12 W, white,	
cable 2x 0,75 mm ² , length 5 m, daylight	
with temp. 6000 K, 1200 lm	314475
as above, but color temp. 3000 K	4322220
as above, but RGB = color,	
cable 4x0,75 mm²	314478

Accessories for POWER LED lamps 24 Volt on page 107



INSTALLATIONS IN THE POOL **BASENHURT**.com

Examples of pool lighting with POWER LED lamps



EXPORT











BASENHURT.com INSTALLATIONS IN THE POOL



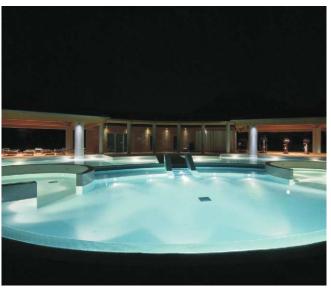
Examples of pool lighting with POWER LED lamps

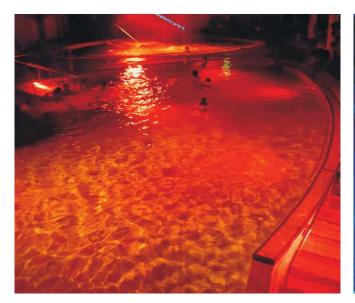


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EXPORT







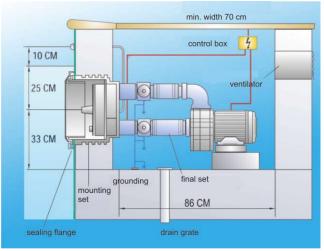


Water massage devices

Provide a great attraction, giving you a relaxing and therapeutic water massage (after consultation with a physician), bath with waves and air bubbles, swimming against the water stream (used for swimming lessons). Each device, permanently mounted in the pool wall, consist of mounting set and final set with pump. In the liner pools a sealing flange is needed. Massage pump is connected through a suction duct with built-in wall nozzle chamber. In the chamber, through a channel, water under high pressure is forced back through the outlet nozzles. Turn on and off from the water via a switch. The force of the water current is regulated at the nozzle and bath with air bubbles is turned on via regulator. Massage pump is mounted just behind the pool wall to its power will not be reduced. You can move the pump further, but you should change the diameter of the suction and pressure side pipes to prevent a decline in efficiency. The pump and control should be placed in a dry area, where they are not exposed to contact with water. The diagram below shows the dimensions and equipment in a pool pit.

URT.com

FXPNRT



You can choose from wide range of equipment for water massage. Offered devices are permanently mounted in the wall or suspended on the edge. The advantage of these latter is a simple assembly, which can be performed on already existing pool without draining the water. Devices permanently mounted in the pool wall have to be installed during the construction phase. The mounting kit is installed in the wall and after lining the walls with eg. PVC liner, the final set is installed. Most massage devices have the switch integrated with the front panel. It enables starting the massage pump from the water. The switches are also offered for mounting in the pool wall separately. Devices can be also activated by the pool service. We distinguish massages made of plastic and steel and bronze.

About the difference do not need to say much. Sturdy, metal massages not only work better, but are as gold jewelry in the swimming pool. Of course, plastic jewelry also has its own charm and followers. Durability devices from plastic depends on th quality of material used for the production of PVC, type and content of chemicals in the water. Massages from metal are indestructible and efficient. They are unique decoration of the pool. Like all elements in the pool need earthed, to were neutral chemically and physically.

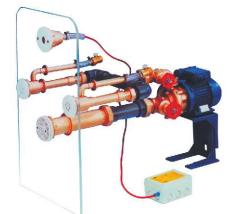


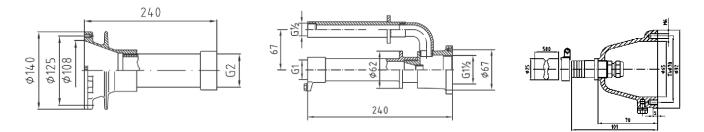
BASENHURT.com WATER MASSAGE DEVICES

Massage STANDARD

Made from bronze, hydromassage for mounting in the pool wall. Set with pump from bronze, nozzles from steel V4A, suction nozzle with sieve, pneumatic switch and control box.

name mounting set, 2-nozzles final set, pump 18 m³/h, 0,5 kW, 230 V sealing flange mounting set, 4-nozzles final set, pump 40 m³/h, 1,5 kW, 230 V sealing flange	code 374480 374490 374485 374491 374493 374492
8 8	
U	374491
final set, pump 40 m³/h, 1,5 kW, 230 V	374493
sealing flange	374492
mounting set, 6-nozzles	374494
final set, pump 40 m³/h, 1,5 kW, 230 V	374496
sealing flange	374495

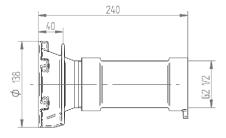




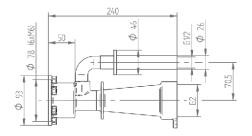
Massage Double –Jet is a strong, two-nozzle massage, with pump efficiency 63 m³/h, power 2,6 kW fed by 400 V. Two powerful suction elements force the water to the two small outlet nozzles. Sensor switch activates the massage (included in the set).

name	code
mounting set	374630
final set	374635





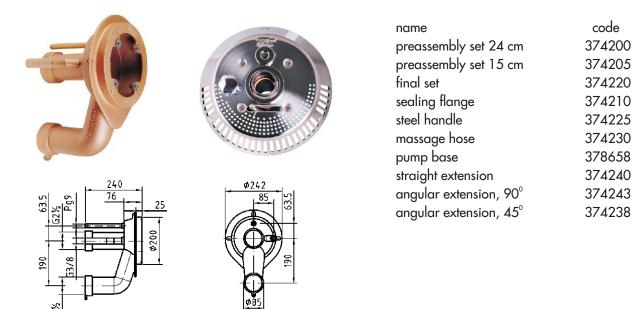






Tajfun Jet

The absolute king of the hydromassages for the pools. The best workmanship, the highest class, longevity, lack of service over the years. Massage device is made from bronze and steel. Can be mounted in any type of swimming pool. Device with mounted-in sensor switch, regulator of water and air outlet. The pump power of 2,6 kW, 400 V, efficiency 63 m³/h, speed of water stream, 1 meter in front of the nozzle, is 2 m/sec. Supplied with all components needed to assemble. Few extras must be ordered separately.







Tajfun Duo Jet

The absolute emperor of the hydromassages for the pools. The best workmanship, the highest class, longevity, lack of service over the years. Massage device is made from bronze and steel. Can be mounted in any type of swimming pool. Device with mounted-in sensor switch, regulator of water and air outlet. The pump power of 2,6 kW, 400 V, efficiency 63 m³/h, speed of water stream, 1 meter in front of the nozzle, is 2 m/sec. Supplied with all components needed t assemble. Few extras must be ordered separately.

Tk Ø180

Tk Ø13(

G21/2

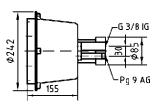
62%

190

preassembly set 24 cm 374710 final set 374722	in the contract of the second
	A C
	0
sealing flange 374210	
steel handle 374225	
massage hose with end plug 374730	2
pump base 378658	
straight extension 374240	
angular extension, 90° 374243	
angular extension, 45° 374238	
240	

¢200









Jet Swim 2000

Incredibly strong massage with efficiency 96 m³/h, whose pump 4 kW, 400 V works into high gear from the first seconds after switching on. The device with mounted-in switch, regulator of water and air outlet. Mounting set must to be ordered together with the front of massage.



Jet Swim 1200 is is a unique, high quality, durability and strong massage with a capacity of 70 m³/h, whose pump from plastic or bronze 2,2 kW, 400V works into high gear from the first seconds after switching on. The device with regulation: water flow, water jet force and air flow. The mounting set must to be ordered together with the front of massage. Made from bronze and polished steel.



name	
mounting set for tile pool	3
mounting set for liner pool	3
massage front	3
bronze pump	3
control box	3



code



code
380022
380044
380046
10078
380048
375147

Steel bottom massage

Device of water and air massage made of bronze and steel. Pump 2,2 kW, 400 V, efficiency 45 m³/h obtained on the one nozzle mounted in the pool bottom. The set with a bronze pump, massage nozzle, suction nozzle, air valve.



name	code	
mounting set	375036	
final set	375038	
flange with gaskets	375010	
Control from the water must be ordered		
separately.		

BASENHURT.com WATER MASSAGE DEVICES



Combi Whirl

Mighty power of water and air massage with an efficiency up to 115 m³/h. Each nozzle forms a separate massage position. Obliquely placed in the wall, confer the possibility of massage of different parts of your body. Made from bronze and steel for assembly in the pool wall. The set with a massage pump 400 V, massage nozzles, suction nozzles, air valves.

EXPORT

name	code
mounting set, 1-nozzle	375000
final set, 45 m³/h, 2,2 kW	375020
sealing flange	375010
final set, 2-nozzle	375002
final set 63 m³/h, 2,6 kW	375022
sealing flange	375012
mounting set, 3-nozzles	375004
final set, 100 m³/h, 4,0 kW	375024
sealing flange	375014
mounting set, 4-nozzles	375006
final set, 100 m ³ /h, 4,0 kW	375026
final set, 115 m ³ /h, 5,5 kW	375028
sealing flange	375016

Control from the water must be ordered separately.

Pneumatic control

name		code
PN controller Tebas	to 2,2 kW, 230 V (9-14 A)	375146
	to 2,2 kW, 400 V (4-6,3 A)	375147
	to 4,0 kW, 400 V (6-10 A)	375148
PN controller H.L.	to 0,9 kW, 230 V	375154
	to 1,1 kW, 230 V	375156
	to 2,6 kW, 400 V	375150
	to 1,1 kW, 400 V	375152
	to 2 x 2,2 kW, 400 V	375158
	to 2 x 2,6 kW, 400 V	375164
	to 4,0 kW, 400 V	375180
	to 5,5 kW, 400 V	375181

Sensor switch H.L.

name	code
sensor controller to 0,9 kW, 230 V	7337650
to 1,1 kW, 400 V	7336850
to 2,0 kW, 400 V	7336650
to 2,2 kW, 230 V	7336750
to 2,2 kW, 400 V	7336540
to 2,6 kW, 400 V	375166
to 4,0 kW, 400 V	7336350
to 5,5 kW, 400 V	7336450
sensor switch niche	375168
insert of sensor switch	375167
sealing flange	375169



Pneumatic switches

name	code
set for tile pool, steel	375155
as above, white	7010190
set for liner pool, steel	375160
as above, white	7010290
pneumatic switch housing from bronze	8710050
insert of PN switch, steel	8712020
pneumatic switch from switch	375149
3-function pneumatic switch	
(on-air control-off) for min. 2 nozzles	375175



WATER MASSAGE DEVICES

Hurricane - made in EU

Water massage device made of ABS plastic. The front is made in an attractive unique form. In the front panel is a PN button for activating pump operation, regulation of air inflow for bath with bubbles, nozzle with adjustable water flow. These functions are operated from the pool. The device is suitable for all types of pools. Flange with gaskets is always supplied in the set. The set contains: a pump 400 V, front, pneumatic controller. Pipes must be ordered separately as required. Efficiency given at H= 3 m.

FXPART

name mounting set Hurricane, 70 m³/h, pump 2,2 kW Hurricane, 80 m³/h, pump 2,9 kW Hurricane, 95 m³/h, pump 4,0 kW fitting set for 70 m³/h fitting set for 80 and 95 m³/h	code 40040 40050 40055 40060 40047 40057
massage hose	40062

com

Tender - made in EU

Original water massage device made of ABS plastic. This is not Asian copy offered by some companies. The front is made in an attractive unique form. In the front panel is a PN button for activating pump operation, regulation of air inflow for bath with bubbles, nozzle with adjustable water flow. These functions are operated from the pool. The device is suitable for all types of pools. Flange with gaskets is always supplied in the set. The set contains: a pump 400 V, front, pneumatic controller. Pipes must be ordered separately as required. Efficiency given at H= 3 m.



Badu Jet Smart - made in SPECK

Device from ABS with a high-performance pump 45 m³/h. By means of the nozzle, the strength of the water outflow is regulated. In the front panel is a PN button for activating pump operation and regulation of air inflow for bath with bubbles, nozzle with adjustable water flow. These functions are operated from the pool. The device is suitable for all types of pools. Contains all the elements for the smooth operation of the device: pump, PN control box, front. The valves and pipes must be ordered separately.

	name mounting set Smart 45 m³/h, 400 V Smart 40 m³/h, 230 V	code 370715 370822 370827
and the second second		

HIRT com WATER MASSAGE DEVICES

Badu Jet Super-Sport - made in Speck

Device for water massage with pump 75 m³/h, 400 V, power 3,0 kW. Made of plastic with unusual chemical composition. Thanks to this was reached high durability, which results in the decades of trouble-free working. Very wide water jets is generated by two nozzles. The device is activated from the pool via PN button. Regulation of water inflow for bath with the bubbles can be freely adjusted from the pool. The device is suitable for all types of pools.

name	code
mounting set	370215
final set	370312
massage hose	370525
nozzle stopper 40 mm	370560
pump base	370567

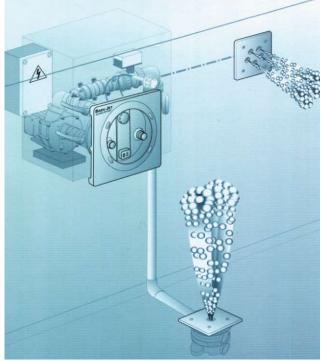


Badu Jet Super Sport with massage station - made in Speck

This device will give you superb effect of water and air massage. The power, which can not be experienced with the other devices. Device with additionally mounted nozzle massage. Special nozzle construction enables full use of the pump power, giving a wonderful effect. The device is suitable for all types of pools. Mounting set is embedded before finishing the pool interior. The final set contains all necessary elements (without piping) for the smooth operation of the device: pump, control box, magnetic valve, PN switch, covers.

name	code
mounting set of massage station,	
nozzle for mounting in the bottom	
or in the wall	371025
mounting set of massage station,	
nozzle for mounting in the wall	371035
final set	371045

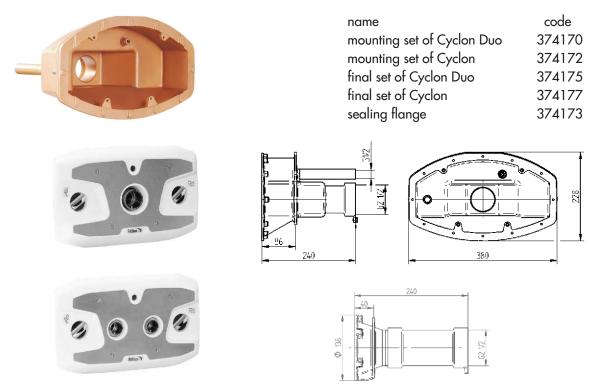






Cyclon Duo, Cyclon

It is completely new generation of massage device intended primarily for hotel pools. Both nozzles provide a unique massage, characterized by a wide field of operation an and adjustable, from the front panel, outflow power from 36 to 60 m³/h. Sensor switch enables activating from the pool. In the front panel there is also regulation of power of air inflow. Wide spacing of suction nozzles provides adequate amount of the water and does not cause the effect of the sucking into the covers. The final set contains all the elements needed for installation among others pump from bronze 400 V with power 2,6 kW, 5,5 A.



UWE Jet Libra specialist in topical massage. Arranged three, four or five nozzles at different heights, thanks to whic you can massage a various parts of the body from the feet up to neck. The high pressure of stream that is achieved thanks to a small cross-section of nozzle, works in a soft and pleasant way on the body. Efficiency of the device 40-65 m³/h, voltage 400 V, power 3,5 kW.

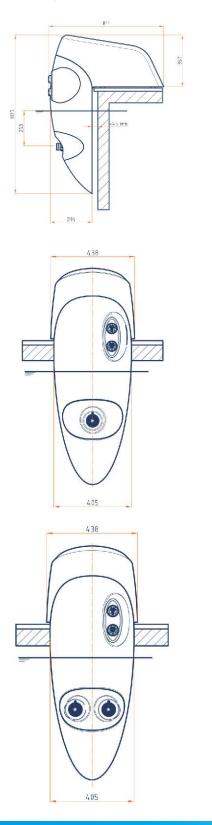
mounting set from ABS	3 nozzles
	4 nozzles
	5 nozzles
sealing flange	3 nozzles
	4 nozzles
	5 nozzles
final set, steel caps	3 nozzles
	4 nozzles
	5 nozzles
pump wall base	
flexible pipes	3 nozzles
	4 nozzles
	5 nozzles
niche of PN switch	
sealing flange of PN sw	ritch
PN switch, steel, with co	ontrol box

name		code
mounting set from ABS 3 nozzles		371705
	4 nozzles	371706
	5 nozzles	371707
sealing flange	3 nozzles	371710
	4 nozzles	371711
	5 nozzles	371712
final set, steel caps	3 nozzles	371715
	4 nozzles	371716
	5 nozzles	371717
pump wall base		373307
flexible pipes	3 nozzles	371720
	4 nozzles	371721
	5 nozzles	371722
niche of PN switch		371750
sealing flange of PN switch		371755
PN switch, steel, with control box		371763



Badu Jet - suspended massages

Are ideal for later installation in all of the swimming pools. The pleasure and the atractiveness of the bath increases in proportion to the time spent with the Badu Jet. Are powered by 230 or 400 V. Turning on and regulation of air inflow is activated from the pool. The nozzles have regulated outflow strength and are readjusted. Devices are also offered in a version with SPOT lamp. Inconspicuous-looking Badu Jet at the picture, in fact are powerful machines, which are not easy to overcome.









Badu Jet - suspended massages - made in Speck

WATER MASSAGE DEVICES

Sporty and elegant look of the new generation Badu Jet, created by professional designers. Technology advanced material used in the production from a practical point of view provides a perfect look for years. High quality material offers excellent resistance and housing soundness. A special coating, giving white, shiny finish, improves resistance to sratches, UV radiation and chemicals. The units are factory equipped with white or color LED lighting. Regulation of the water outflow takes place on the nozzles, which can be rotated in all directions. In the machine are built-in the power switch and the LED lighting switch. The Badu Jet is undoubtedly attraction for each using the pool, especially for children. The Perla and Riva have 1 nozzle. The Stella is the strongest 2 nozzles massage.

BASENHUF Export

LIRT.com

		name		code
		Perla 40 m³/h, 400 V, LED	white	370836
			color	370837
	1 1000	Perla 40 m³/h, 230 V, LED	white	370844
			color	370845
3		Stella 75 m³/h, 400 V, LED	white	370852
			color	370853
		Riva 58 m³/h, 400 V, LED	white	370917
	()		color	370918
		Riva 58 m³/h, 230 V, LED	white	370924
			color	370926
		lid - wooden imitation		370855

Startblock - suspended massages strong devices, suspended on the pool edge. Available in version with 1 or 2 nozzles from stainless steel. Pump 2,6 kW, 400 V with efficiency 60 m³/h. The switch and air regulator integrated with the machine.



WATER MASSAGE DEVICES

Air-bubble seat

Air massage device constructed in the shape of the bench. Activated from the pool, gives a great massage effect and bath with air bubbles. Once activated air system gives a feeling of lightness and relaxation. The cover is made of polished stainless steel of the highest quality A4 and provides additional decoration of your pool. Special construction of piston pump allows to achieve adequate efficiency with a small power. Do not forget to do air loop during the installation min. 30 cm above the water. Mounting depth is 40-55cm below the wate level.

FXPORT

Air-bubble seat for 1 person

The final set with the air pump with piston 0,5 kW, 230 V. Piston pump can be placed for some distance from the pool and it does not deteriorate the effect of massage seat.

name	code
mounting set, width 500 mm	376200
mounting set, width 250 mm	376100
final set, width 500 mm	375210
final set, width 250 mm	375212
cover of seat, width 500 mm, with gasket	8795020
cover of seat, width 250 mm, with gasket	8795120



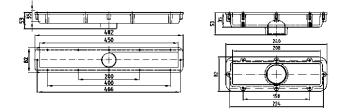
Air-bubble seat for 2 persons

The final set with the air pump with piston 0,9 kW, 230 V. Piston pump can be placed for some distance from the pool and it does not deteriorate the effect of massage seat.

name	code
mounting set, width 500 mm	376205
mounting set, width 250 mm	376105
final set, width 500 mm	375215
final set, width 250 mm	375217

The control from the water must be ordered separately.









WATER MASSAGE DEVICES

Bottom air-bubble system

The air is pumped into the cover with a plurality of holes, through which it comes out in the form of bubbles into the water, giving a great effect. The pipeline must have air loop, protruding above the water. The final set consist of PN button, controller, pump 1,1 kW, 230 V, 135 m³/h, return valve and cover.

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	name	code
	mounting set, horizontal output 2"	378700
	vertical output 2"	378702
	with lighting	378751
	final set wit air pump	378710
	final set with lighting	378753
-570	sealing flange	378705
	cover of massage	378760
	cover of massage with lamp 50 W	378762
	cover of massage with	
U L	lamp LED 4x3 W RGB	378764
		-

Air massage couch Just lay comfortably in and turn on the unit to feel the gentle, relaxing and intense touch of air, covering the whole body. Result: evenly massage of whole body. Pleasantly relaxing, foaming, soft and strong massage that makes bath leaves an unforgettable impression. The blower forces air into the channels of the device and by the appropriate amount of nozzles, air bubbles come into the water, making your body weighs almost nothing.



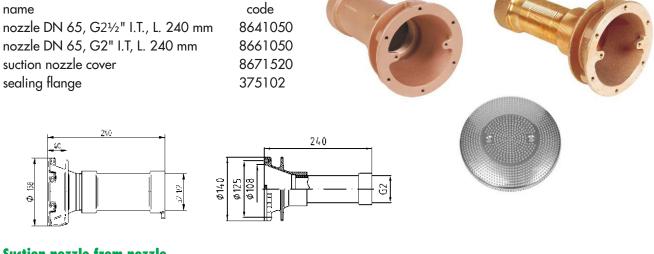
steel covers (2 pcs.) of couch, tile pool 8755020



Elements of hydromassages

With the following elements you can individually create a water massage, corresponding to your own needs and expectations. To the elements you need to select massage pump and control.

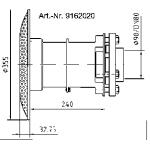
Suction nozzle from bronze



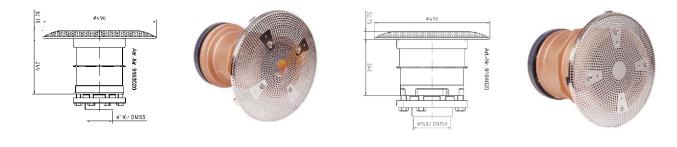
Suction nozzle from nozzle

name nozzle DN 80 with sieve sealing flange of nozzle DN 80 nozzle DN 100 with sieve sealing flange of nozzle DN 100 nozzle DN 150 with sieve sealing flange of nozzle DN 150







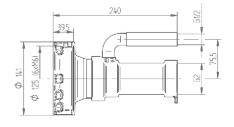


Pressure-side nozzle from bronze

name	code
pressure-side nozzle G2" I.T.	8662250
cover of pressure-side nozzle	8673820
sealing flange	375102











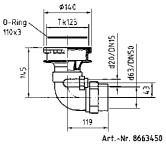
WATER MASSAGE DEVICES BASENHURT.com

Elements of hydromassages

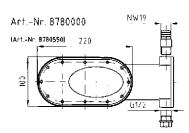
With the following elements you can individually create a water massage, corresponding to your own needs and expectations. To the elements you need to select massage pump and control.

EXPORT









Angular nozzle from bronze

name	code
angular nozzle 63 mm I.G.	8663450
nozzle cover	8673820
sealing flange	375102

Slanted nozzle from bronze

name	code
nozzle of artificial river, with cover	8780000
sealing flange	8782000
nozzle elbow 90°	8782250
nozzle elbow 60°	8782350

Pressure-side nozzle from bronze

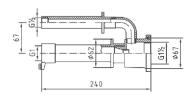
name	code
pressure-side nozzle, G1" I.T. and 1½"	8669850
pressure side-nozzle, G1″ I.T.	
and 1½", short	8669050
cover of pressure-side nozzle	8697520
flange of pressure-side nozzle cover	8436500
massage nozzle G1½″ E.T.	8669420
massage nozzle G1½″ E.T.	
with 1 eyelet	8669220

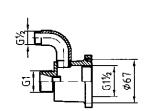


Cover of nozzle from steel

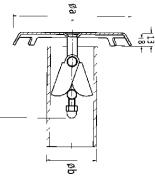
name	code
universal cover, max. 25 m³/h	87198033
a= 165 mm b= 50-63 mm	
universal cover, max. 40 m³/h	87198034
a= 240 mm b= 63-75 mm	











Elements of hydromassage

With the following elements you can individually create a water massage, corresponding to your own needs and expectations. To the elements you need to select massage pump and control.

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Pressure-side	nozzle	from	bronze	

code name pressure-side nozzle G11/2" I.T 7690450 nozzle cover with gasket 7690020

Suction nozzle from plastic

name	code
nozzle G2½″ E.T., liner pool, max. 45 m³/h	11795
nozzle G2½" E.T., tile pool	11796

Suction nozzle from plastic

name	code
nozzle 90 mm I.G., liner pool, max. 26 m³/h	11795
nozzle 90 mm I.G., tile pool	117960
nozzle 90 mm I.G., liner pool, steel cover	08316
nozzle 90 mm I.G., tile pool, steel cover	08317

Badu nozzle from plastic

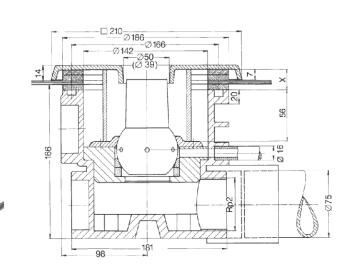
Wall/bottom nozzles for mounting in all types of pools. Designed for topical massage of whole body. Can be combined in the massage kits.

name

suction nozzle 110 mm, max. 55 m³/h
nozzle 40 mm, G2″ I.T., max. 55 m³/h
nozzle 28 mm, G2″ I.T., max. 35 m³/h
nozzle 5x19 mm, G2″ I.T., max. 55 m³/h

code

08317 110

















WATER MASSAGE DEVICES

Elements of hydromassages

With the following elements you can individually create a water massage, corresponding to your own needs and expectations. To the elements you need to select massage pump and control.

URT com

FXPART



Pressure-side nozzle from plastic

name	code
nozzle 50 mm I.G., max. 15 m³/h, tile	32370
nozzle 50 mm I.G., max. 15 m³/h, liner	32371

Pressure-side nozzle from plastic mounted in the pool wall, delivered with PN switch and air valve. Nozzle diameter is 40 mm. code name massage nozzle 50 mm I.G. 16862

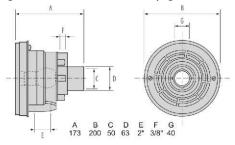
Pressure-side and suction nozzle from plastic is a nozzle 2 in 1, it means that in one nozzle is connected suction pipe (internal thread G2") and pressure pipe 50 mm (internally glued) or 63 mm (externally glued).

name code pressure-side & suction massage nozzle 16864









Round front of Tajfun

Element made from steel, mounted in the mounting set. Set with 1 nozzle, steel cover (without handle), PN switch, air valve, air and water flow regulation.

name	code
front PN of Tajfun	7307020
steel handle	374225

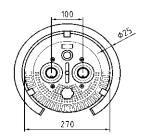
Round front of Tajfun Duo

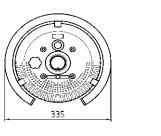
Element made from steel, mounted in the mounting set. Set with 2 nozzles, steel cover (without handle, PN switch, air valve, air and water flow regulation.

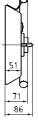
name front PN of Tajfun DUO

steel handle

code 7309920 374225







Elements of hydromassages

With the following elements you can individually create a water massage, corresponding to your own needs and expectations. To the elements you need to select massage pump and control.

BASENHURT com **EXPORT**

Round front of Tajfun

Element made from steel, mounted in the mounting set. Set with 1 nozzle, steel cover (without handle), sensor switch, air and water flow regulation.

name	code
front of Tajfun, sensor switch	77307020
steel handle	374225

Round front of Tajfun Duo

Element made from steel, mounted in the mounting set. Set with 2 nozzles, steel cover (without handle), sensor switch, air and water flow regulation.

name	code
front of Tajfun DUO, sensor switch	77309920
steel handle	374225

Front of Hurricane

Mounted in the mounting set. Set with nozzle with adjustable flow amount, built-in pneumatic switch.

name	code
front of Hurricane	40064
mounting set	40040

Front of Tender

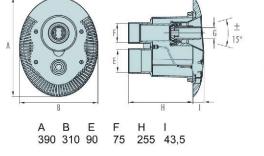
Delivered with mounting set. Set with nozzle with adjustable flow amount, built-in pneumatic switch.

name	code
front of Tender	40066

Covers of bottom air-bubble system

name	code
mounting set, horizontal output 2"	378700
vertical output 2"	378702
with lighting	378751
sealing flange	378705
massage cover	378760
massage cover with lamp 50 W	378762
massage cover, lamp LED 4x3 W RGB	378764







WATER MASSAGE DEVICES











WATER MASSAGE DEVICES BASENHURT.com

Elements of hydromassages

These electrical boxes are ready to work immediately. All electrical elements, including pneumatic or sensor signal relay are already mounted in the housing. Connect only the power cables.

EXPORT

Pneumatic controllers Tebas

Modern design of the box with dimensions 160x160x140 mm. Housing completely waterproof IP67, according to standard PN-EN 60529. Ability to connect pneumatic switch placed in the pool.



for pump with power	code
to 2,2 kW, 230 V (9-14 A)	375146
to 2,2 kW, 400 V (4-6,3 A)	375147
to 4,0 kW, 400 V (6-10 A)	375148

Pneumatic controllers H.L.

	for pump with power to 2,6 kW, 400 V to 1,1 kW, 400 V to 0,9 kW, 230 V	code 375150 375152 375154	for pump with power to 2 x 2,2 kW, 400 V to 2 x 2,6 kW 400 V to 4,0 kW, 400 V	code 375158 375164 375180
	to 0,9 kW, 230 V	375154	to 4,0 kW, 400 V	375180
· 10	to 1,1 kW, 230 V	375156	to 5,5 kW, 400 V	375181

Pneumatic switch H.L.



name	code
set for tile pool, steel	375155
as above, white	7010190
set for liner pool, steel	375160
as above, white	7010290
pneumatic switch housing from bronze	8710050
insert of pneumatic switch	8712020



Sensor switch H.L.



name	code
sensor controller for 2,6 kW, 400 V (5,5-8,5 A)	375166
sensor switch niche	375168
insert of sensor switch	375167
sealing flange of sensor switch	375169

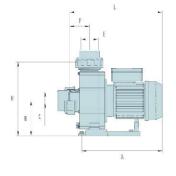




Pumps for elements of hydromassages

We present only the most popular pumps for water massages. Others can be found in the section swimming pools pumps. For water massage can also install pump fitted with a prefilter.

New BCC Series Iml Extra class



power kW	code
2,20	10078
2,90	10079
4,00	10080
	2,20 2,90

Jet Series from bronze Lahme Extra class

efficiency	power kW	code
45 m³/h, 400 V	2,2	378011
38 m³/h, 230 V	1,5	378038
63 m³/h, 400 V	2,6	378046
63 m³/h, 400 V	2,6	378048
100 m³/h, 400 V	4,0	378050
115 m³/h, 400 V	5,5	378051
	45 m ³ /h, 400 V 38 m ³ /h, 230 V 63 m ³ /h, 400 V 63 m ³ /h, 400 V 100 m ³ /h, 400 V	45 m³/h, 400 V 2,2 38 m³/h, 230 V 1,5 63 m³/h, 400 V 2,6 63 m³/h, 400 V 2,6 100 m³/h, 400 V 4,0

Pressure sockets for pumps Jet from bronze

name	code
2" to 1,5 and 2,2 kW	378115
2" to 2,6 kW	378119
21⁄2" to 2,6 kW	378120
90 mm to 4,0 kW	378125

Air pump

name pump ES 100, 230 V, 0,75 kW, G1½2″ I.T. pump ES 130, 400 V, 1,3 kW, G2″ I.T. pump ES 142, 400 V, 1,75 kW, G2″ I.T sound silencer G1½″ E.T. sound silencer G2″ E.T.

code	
008502	
008510	
008520	
008504	
008506	



А	В	С	D	Е	F	G	Н	L
410	156	75	260	75	77	95	319	450





We also offer air pumps with power from 0,4 kW to 13 kW, single-stage and two-stage. Details of these devices on request.

WATER MASSAGE DEVICES

Stream showers

Showers, also known as water curtains, give a stream of water, which is a massage and also the visual attraction of your swimming pool. All steel components require special maintenance in order to prevent the destruction of the steel. They must be compulsory earthed. Are given the recommended average flow, which can be reduced or increased depending on the desired effect. Factory made provides proper working!!! Do not let yourself to be persuaded to an amateur production, because its effect can be pathetic.

SENHURT com FXPORT

Water curtain, focused nozzle, height 1189 mm, flow 25 m³/h, connection 2¹/₂", steel AISI316, pipe diameter 90 mm. To the water curtain should be selected a pump, control and suction nozzle.

Water curtain Capri, wide nozzle, height 1179 mm, flow 30 m³/h, connection 2¹/₂", steel AISI316, pipe diameter 90 mm. To the water curtain should be selected a pump, control and suction nozzle.





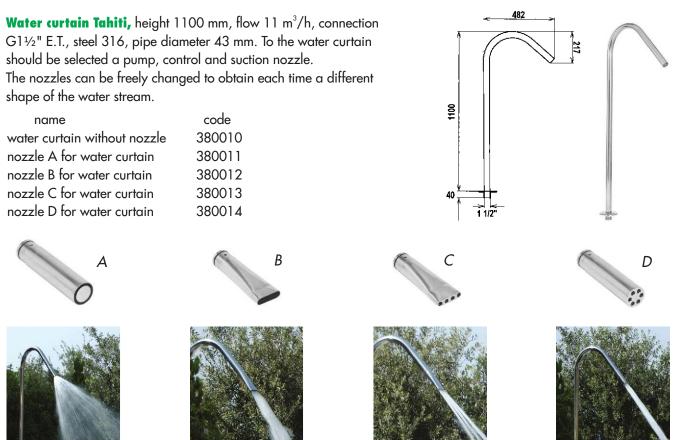


132

WATER MASSAGE DEVICES

EXPORT

Stream showers



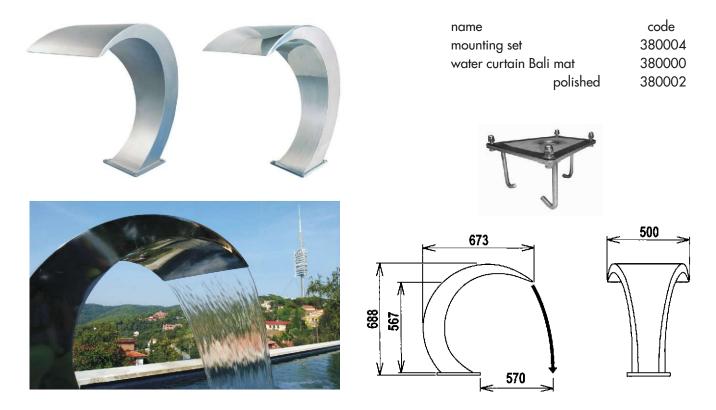
Water curtain Fidji, height 823 mm, flow 12 m³/h, connection 2", steel AISI316, pipe diameter 63 mm. To the water curtain should be selected a pump, control and suction nozzle.





Stream showers

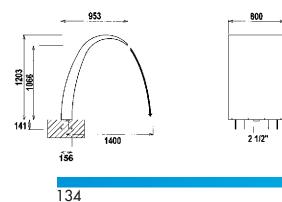
Water curtain Bali, height 688 mm, width 500 mm, flow 45 m³/h, steel 316, mat or polished. To the water curtain should be selected a pump, control and suction nozzle.



Shower Victoria exclusive water curtain, standing majestically above the pool. The highest quality and utility. Height 1200 mm, width 800 mm, flow 55 m³/h, connection $G2\frac{1}{2}$ ", internal thread. Made from steel AISI316. The shower is offered with the mounting set.









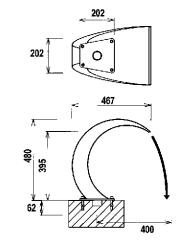


Stream showers

Water curtain MiniBali height 488 mm, width 350 mm, flow 28 m³/h, mat, steel 316 or 304. To the water curtain should be selected a pump, control and suction nozzle. A separate mounting set is not needed.

name code water curtain MiniBali, steel 316 380007 steel 304 380006







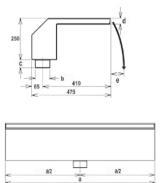
Water curtain Hembra mounted in the wall above the water. Spectacular and focused stream gives an intensive water massage. Pipe 63 mm, external thread G1¼″, length 198 mm, outflow 25 mm, flow 12 m³/h. To the water curtain should be selected a pump, control and suction nozzle.

code 380066

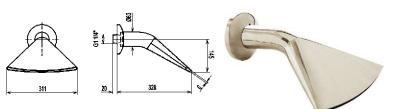
Water curtain Rosca usually mounted in the wall above the water. Strong and wide stream gives an intensive water massage. Pipe diameter 63 mm, extetnal thread G1¹/₄", length 198 mm, outflow 6 mm, flow 20 m³/h. To the water curtain should be selected a pump, control and suction nozzle.

code 380068

Waterfall MAUI discreet, flowing out from the wall water stream creates a fantastic view of the waterfall. Mounted in the pool wall, steel 316. To the water curtain should be selected a pump, control and suction nozzle.











Stream showers

Water curtain Iguazu, height 855 mm, width 500 mm, flow 45 m³/h, steel 316, G1½" I.T., made in 3 versions: polished, engraved or in the color of the ocean. To the water curtain should be selected a pump, control and suction nozzle. **Engraved model is absolutely the most advanced technology of production.** Before purchasing look at the demo unit, because the photos do not reflect the character and appearance of this water curtain. The mounting set included.



aling cover of screws	87186066
690	÷ 500 - •
570	L → → → → → → → → → → → → → → → → → → →

code

87186069

87186067

87186068

Recommended pump for UMBRELLA = 50 m $^{3}/h$

> 🛶 2 1/2"

154



pipe diameter 154 mm. Together with the column, the mounting set is supplied. Connection 2½". To the stream shower should be selected a pump, control and suction nozzle. Recommended pump for WATER POPPET= 35 m³/h.

name	code
Water Poppet	19966

Stream shower Umbrella

| b∑r

Stream shower

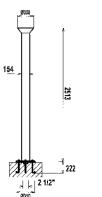
Umbrella is a unique and unusual attraction of your pool. Especially loved by children. The column is made from stainless steel. Height 2511 mm, pipe diameter 154 mm, steel cover diameter 1900 mm, plastic cover diameter 1700 mm. Together with the column, the mounting set is supplied. Connection 2^m. To the stream shower should be selected a pump, control and suction nozzle.

FXPORT

name	code
shower column with mounting set	22754
cover from steel, diameter a= 1900 mm	22752
cover from polyester, diameter a= 1700 mm	22753

2410













WATER MASSAGE DEVICES

Stream showers

They are a unique attraction of the swimming pool. Unusual forms decorate your pool, whilst also are very useful devices for massage. Powerful bronze pump 400 V guarantees strong water stream, widely coming out from the water curtain. Manufactured by Hugo Lahme, from the best stainless steel suitable for pools. Are available ready-to-install sets with pump, also only water curtains.

FXPART





com

Mounting set

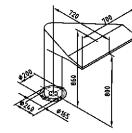
name mounting set sealing flange

code 375100 375102

Stream shower CLASSICO

Height 80 cm or 75 cm in Midi version, width of water curtain 70 cm or 50 cm in Midi version, set with pump from bronze 2,6 kW. Control from the water must be selected separately.



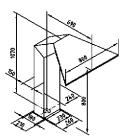


name	code
Classico	375112
Classico Midi	375132
water curtain Classico	8731920
water curtain Classico Midi	8731620

Stream shower STANDARD

Height 107 cm or 90 cm in Midi version, width of water curtain 80 cm or 50 cm in Midi version, set with pump from bronze 2,6 kW. Control from the water must be selected separately.

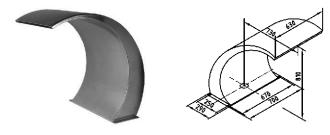




name	code
Standard	375114
Standard Midi	375134
water curtain Standard	8732920
water curtain Standard Midi	8732620

Stream shower RONDO

Height 81 cm or 63 cm in Midi version, width of water curtain 63 cm or 50 cm in Midi version, set with pump from bronze 2,6 kW. Control from the water must be selected separately.



name	code
Rondo	375118
Rondo Midi	375138
water curtain Rondo	8734920
water curtain Rondo Midi	8734620

BASENHURT.com WATER MASSAGE DEVICES

Stream shower

Shower CANON STRAIGHT

Often called "water whip" and rightly so. Power of the water flowing out can not be compared with anything else. Canon gives very strong stream of water. Its height is 125 cm (105 cm in MIDI version) and pipe diameter is 90 mm. Can choose from three types shower with an appropriate shape of the stream. Regardless of the type, which you choose, always you will have to deal with a strong, incomparable to anything stream of water. Are made from the best type of steel V4A, characterized by a very high durability and elegance.



Shower CANON SLANTED

Water whip in a special slanted shape. Height of 85 cm and pipe diameter of 90 mm. In combination with efficient bronze pump, Canon gives a strong stream of water. Regardless of the type, which you choose, always you will have to deal with a strong, visually attractive massage. Are made from the best type of steel V4A.

name	code
mounting set	375100
sealing flange	375102
final set, pump from bronze 1,1 kW, 400 V:	
round ending	8800020
wide ending	8801020
round multi-nozzle ending	8802020
round, wide ending	8803020







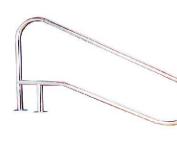
ADDITIONAL EQUPIMENT

Pool handrails

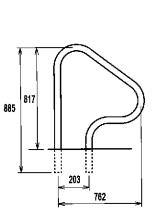
May seem that offered here handrails are a piece of plain, curved pipe, which can be made by everybody. Nothnig could be further from the truth! Is it worth to risk?! All of our handrails are designed by engineers to be functional, safe and tailored to people using them. Has been chosen also a suitable material for production. Used a stainless acidproof steel 316 is austenitic steel chromium-nickel-molybdenum suitable for swimming pools, resistant to high temperatures and with exceptional resistance to corrosion. It is widely used at sea and in the environments, where is exposed to chemicals, salts, acids and high temperatures. Types of steel 316 is a lot, but you can be sure that in our products has been used steel with a suitable composition and the percentage of ingredients.

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EXPORT







Handrail FX-2

name	code
FX-2 mounted in the ground	87168027
FX-2 mounted on the ground	87468021



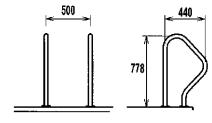
Handrail FX-3

name	code
FX-3 mounted in the ground	87164018
FX-3 mounted on the ground	87464010

Handrail FX-7 set of 2 pieces

name FX-7 mounted on the ground code 87100319

885 817



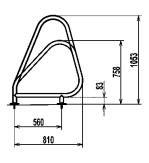




Handrail FX-9 set of 2 pieces

name	
FX-9 mounted on the ground	

code 87164012





ADDITIONAL EQUIPMENT RT com



Pool handrails



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EXPORT

Handrail FX-11		
name	А	code
FX-11	500	87180055
	1000	87180105
	1500	87180154
	2000	87180204
	3000	87180303



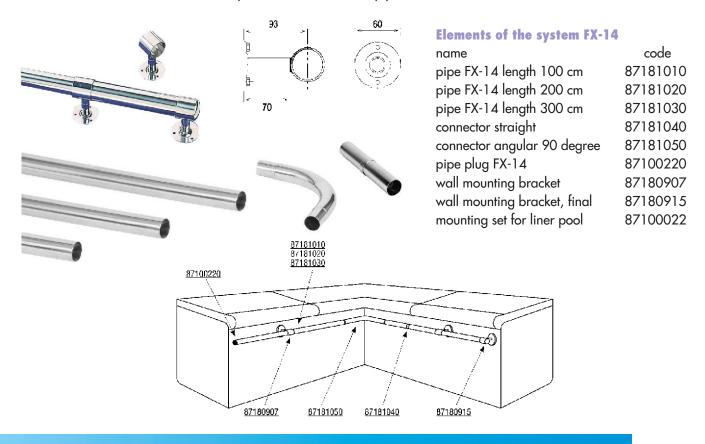
Mounting set for handrail FX-11

Used in liner swimming pools. Installed before putting on the liner. Improves fixing of handrail in the pool wall. Code 87100021



Handrail FX-12 steel V	2A, pipe 40 mm
name	code
FX-12 length 100 cm	31131
FX-12 length 200 cm	31132
FX-12 length 300 cm	31133

Handrail FX-14 submitted of the elements. Elements of the system: handrail pipes, connectors, plugs, wall mounting brackets. The elements are made from polished steel AISI-316, pipe 43 mm.



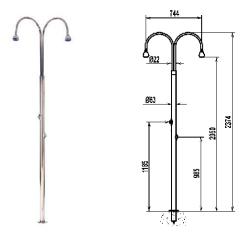


ADDITIONAL EQUIPMENT

Showers

We offer exclusive showers, specially desinged for installation in the swimming pools. You can choose several functional and elegant models, depending on individual preferences and needs.

EXPORT

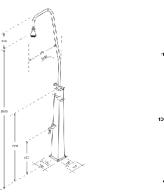


Shower DOUBLE mounting set included,	weight 8 kg.
name	code
Double	87170072
as above, but with automatic shut-off	87170073

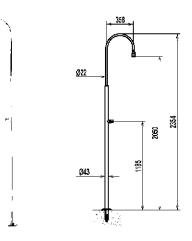
Shower Classico, tall, steel V4A

Exclusive, high quality shower. The upper pipe 32 mm equipped in adjustable ending.

name	code
Classico, cold water and tap	30100
Classico, cold and hot water and tap	30112







Shower STANDARD mounting set include	led, weight 5 kg.
name	code
Standard	87170049
as above, but with automatic shut-off	87170064



Shower Classico, short, steel V4A

Exclusive, high quality shower. In the upper part is mounted battery and shower handset with hose.

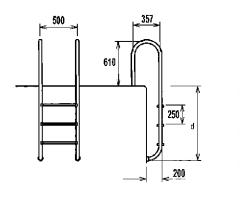
name	code
Classico, cold water and tap	30115
Classico, cold and hot water and tap	30117



Ladders

All our ladders are made of high quality, suitable for swimming pools steel.

Computer-controlled polishing technique using suitable abrasive material does not cause deterioration of steel structures during the production, which is often in the case unbranded products. During polishing process steel is treated with machining medium. The polishing process of our ladders takes into account the desired intensity of the particles emission from the steel surface and also takes into account the thermo-emission and microcurrents friction. Our ladders are the factory products of Spanish manufacturers (Kripsol and FxPool companies), which have the greatest experience in the production and processing of steel in Europe. During production is taken into account many important factors affecting the quality of the offered product. All ladders have steps with non-slip pads, the pipe diameter is 43mm. Offered in two types of stainless steel - 304 and 316 with increased resistance to salt for example. In accordance with the provisions, ladders and all other steel components in a pool should be earthed by stringing these elements in one circuit. This prevents the so-called corrosion of stainless steel based on attracting the metal particles present in water and the air.



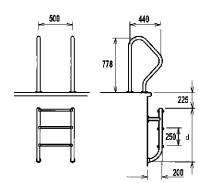


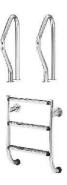
Lina			
steps	steel 304	steel 316	d in mm
	code	code	
2	30002	87131124	696
3	30003	87131132	946
4	30004	87131140	1196
5	30005	87131157	1446

<u>~ 500</u>	664



Maria			
steps	steel 304	steel 316	d in mm
	code	code	
2	30016	87111928	696
3	30017	87111936	946
4	30018	87111944	1196
5	30019	87111951	1446





Lina, divided			
steps	steel 304	d in mm	
	code		
2	30012	515	
3	30013	765	
4	30014	1015	
5	30015	1265	

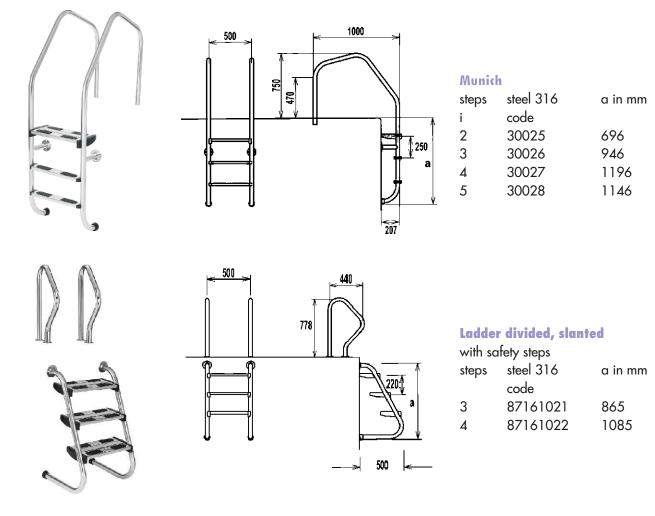


ADDITIONAL EQUIPMENT

Ladders

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EXPORT







Ladders



Lower part of slanted ladder

steel 316 steps a in mm code 2 87174322 515 87174330 3 765 4 87174348 1015 5 87174355 1265

Accessories for ladders

	code
steel flanges	
set of 2 pieces	30022
tilted fastening	
with flange	30011
without flange	30010
safety step	07603

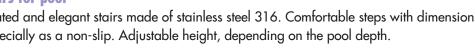
Steel stairs for pool

Sophisticated and elegant stairs made of stainless steel 316. Comfortable steps with dimensions 657x350 mm, made especially as a non-slip. Adjustable height, depending on the pool depth.

BASENHURT com **EXPORT**

steps	steel 316	a	b in r
	code		
5	87152020	1100-1340	1600
6	87152021	1350-1590	1850
7	87152022	1600-1800	2100

700 350 140









ADDITIONAL EQUIPMENT









Pool shutter covers

Shutter cover is the most exclusive, the most effective and the most enduring cover to the pool. Profiles used for shutter cover are manufactured exclusively for the purpose of swimming pools. Suitable hitch shape and chemical composition of the profiles provide comfort of use and resistance to pool water. The cover is needed to the pool in hall and in the garden, especially for canopies is mounted. It stops the evaporation of the water, thereby reducing heat loss and energy saving is guaranteed up to 90%. This is done thanks to ventricular building, where located air is an excellent insulation. Profiles, connected together form a rigid cover on the water surface and provide protection against falling into the water. Profiles are tightly closed with plugs mounted on the ends. The shutter cover does not require any guide rails. It is the cover floating on the water. For all shutter covers should be used a winding reel. Manual folding is practically impossible, because of the large weight of the cover.

FXPORT

Pool shutter cover Junior

The shutter cover with thickness of 11 mm and width of 52 mm, color: white or light grey. Not suitable for winding reels mounted under the water. name code shutter cover Junior 1 m² 027600

RT com



Pool shutter cover Senior and Solar

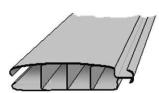
The shutter cover with thickness of 14 mm and width 55 mm, color: white, light grey, beige, blue and green. Mounted on the underwater or surface winding reel.

name	code
shutter cover Senior white or light grey 1 m ²	027900
as above, but blue, beige or green 1 m ²	027901
shutter cover Solar, transparent 1 m ²	027905



Accessories for shutter covers Junior i Senior

name	code	name	code
swining hinges at the gutter, for 1 lin. m.	027985	guide rollers for RNU type installation	027903
cutting for the ladder	027610	round cutting above r= 0,5 m	027607
round cutting to r= 0,5 m	027605	cutting Senior to the Roman	
cutting the Junior to the Roman stairs to $r=3$ m	027614	stairs to r= 3 m	027615
cutting the Solar to the Roman stairs to r= 3 m	027617	across cutting for 1 lin. m.	027620
grasping element by the stairs	027625	transport of the shutter cover	027702





Pool shutter covers

Surface winding reel "Solo"

Subtle and pleasant electric winding reel Solo is mounted on the edge of the pool. Dedicated to the shutter cover Junior and Senior, but also to the Seniorita. It is composed of: motor 24 V, 2 side stands, pipe from steel, transformer, electronic system of work programming of the shutter cover, manual switch mounted in the stand or bulk. The motor is located next to the winding reel. Control must be placed in a warm, dry place.

FXPNRT

name pool up to 4,0 x 8,0 m 5,0 x 12,0 m 6,0 x 15,0 m 7,0 x 15,0 m

code 027640 m 027645 m 027648 n 027650







Surface winding reel Quadro it is electric winding reel, mounted on the edge of the pool, with construction for casing of wood or plastic. Dedicated to the shutter cover Junior and Senior, but also to the Seniorita. It is composed of: motor 24 V, 2 side stands, pipe from steel, construction for casing, transformer, electronic system of work programming of the shutter cover, manual switch mounted in the stand or bulk. The motor is located next to the winding reel. Control must be placed in a warm, dry place.

name	code
pool up to 4,0 x 8,0 m	027920
5,0 x 12,0 m	027925
6,0 x 15,0 m	027930
7,0 x 15,0 m	027932

Wooden casing of winding reel Quadro

Made of a special wood Sipo-Mahagoni. The casing is delivered always with the winding reel.

name	code
upper casing 1 lin. m.	027685
front casing 1 lin. m.	027690
rear casing 1 lin. m.	027695





Surface winding reel Rondo it is electric winding reel, mounted on the edge of the pool, with a special, round construction for casing from plastic in color of the shutter cover. Dedicated to the shutter cover Junior and Senior, but also to the Seniorita. It is composed of: motor 24 V, 2 side stands, pipe from steel, construction for casing, transformer, electronic system of work programming of the shutter cover, manual switch mounted in the stand or bulk. The motor is located next to the winding reel.

Control must be placed in a warm, dry place.

name	code
pool up to 4,0 x 8,0 m	027940
5,0 x 12,0 m	027942
round casing 1 lin. m.	027945





ADDITIONAL EQUIPMENT

Pool shutter covers

Underwater winding reel

Dedicated to the shutter cover Junior and Senior, but also to the Seniorita. It is composed of: motor 24 V, pipe from steel, manual switch, transformer, wall culvert, electronic system of work programming of the shutter cover. "Easy" version is installed without interfering in the pool wall. There are several types of winding reels, depending on the mounting location. The winding reel is adapted to the pool size.

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EXPORT

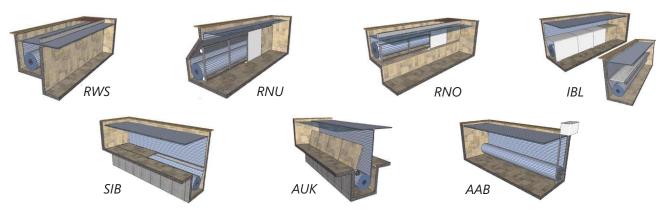


Types of placement underwater winding reels

name	code
pool up to 4,0 x 8,0 m	027960
"Easy" version	027961
5,0 x 12,0 m	027965
"Easy" version	027966
6,0 x 15,0 m	027970
"Easy" version	027971
7,0 x 15,0 m	027975
"Easy" version	027976

Accessories for surface and underwater winding reel

name	code
shutter cover remote control switch	027675
shutter cover key switch	027670
manual driving mechanism	028130
automatic driving mechanism	028132
lid for reel type SIB and AUK 1 lin. m.	027980
lid for reel type IBL 1 lin. m.	027982
lid for reel type RNO and RNU 1 lin.m.	027984
automatic hatch of reel type AUK and SIB	
max. pool size 4 x 8 m	027986
max. pool size 5 x 12 m	027988
max. pool size 6 x 15 m	027990
support beam type RWS to width 4 m	028000
to width 5 m	028002
to width 6 m	028004
to width 7 m	028006
wooden lid	
to width 60 cm of reel niche type RWS	028010
to width 80 cm of reel niche type RWS	028012



ADDITIONAL EQUIPMENT FYPORT



Pool shutter covers

Pool shutter cover Seniorita is the most reliable choice of the pool cover. Double sealing of the profiles end caps provide many years of use. The cover is needed to the pool in hall and in the garden, especially when roofing is mounted. Suitable hitch shape and chemical composition of the profiles provide comfort of use and resistance to pool water. It stops the evaporation of the water, thereby reducing heat loss and energy saving is guaranteed up to 90%. Profiles, connected together form a rigid cover on the water surface and provide protection against falling into the water for the children up to 5 years old. Profiles are tightly closed with plugs mounted on the ends and the shutter cover does not require any guide rails. For all shutter covers should be used an electric winding reel.

Pool shutter cover Seniorita made of profiles with thickness of 14 mm and width of 60 mm, color: white or colors according templet. The shutter cover is made on request for any pool shape. Mounting on the underwater winding reel or on the edge of the pool. The special shape of the profile prevents breakage of the shutter cover. How to calculate the size of the shutter cover for the pool with stairs? Stairs length is added to the length of the pool and multiply with the pool width. Shutter cover Seniorita is narrower of 4 cm than pool width. This allows for the proper functioning of the shutter cover.

name	code
shutter cover Seniorita, white	027900teb
shutter cover Seniorita, color	027905teb
cutting for stairs	027615teb
transport	027702teb
package	027701teb
hinges at the gutter per 1 lin.m.	027703teb





Examples of realizations







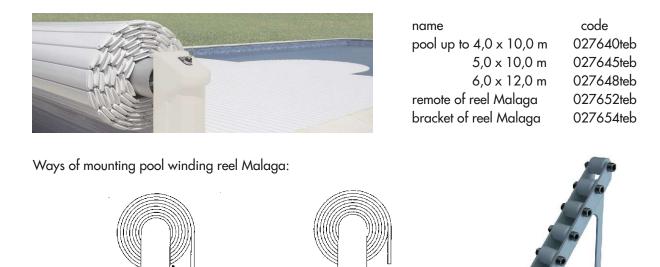
ADDITIONAL EQUIPMENT

Pool shutter covers

Surface winding reel "Malaga"

Electric winding reel Malaga is mounted on the pool edge. Dedicated to the shutter cover Seniorita, but also to the Junior and Senior. It is composed of: motor 24 V mounted inside the steel pipe, 2 side stands, transformer, manual key switch, electronic system of work programming of the shutter cover. Control must be placed in a warm, dry place.

FXPNRT



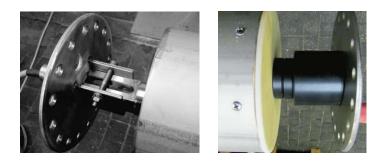
RIANT 2

Underwater winding reel Almeria

RIANT 1

Electric, underwater winding reel, placed under the water in any place in the pool with maximum depth of 1,5 m. Robust design ensures durability, eventual dismantling can be done without draining the water from the pool. Dedicated to the shutter cover Seniorita, but also to the Junior and Senior. It is composed of: motor 24V mounted inside the steel pipe with 20 m cable, manual switch, transformer, electronic system of work programming of the shutter cover. The winding reel is chosen to the pool size. It is mounted without intervention in the pool wall, the power cable is outputted outside the pool under a protective trimming.

POO



name	code
Almeria pool up to 4,0 x 10 m	027960teb
5,0 x 12 m	027965teb
6,0 x 15 m	027970teb
7,0 x 15 m	027975teb
8,0 x 15 m	027982teb
9,0 x 25 m	027984teb
remote of reel Almeria	027990teb







Pool shutter cover

Accessories for winding reel Almeria: to winding reel Almeria can be ordered brackets and wooden lid. The amount is always calculated individually to the size of the pool. Example: pool width 2,87 m and length 6,30 m will need 5 brackets (3 with rollers and 2 without rollers).



name code bracket with rollers 027994 teb bracket without rollers 027995 teb wooden lid 027996 teb

Pool shutter cover - set: includes winding reel with motor, profiles Seniorita, control, manual switch. For maximum pol size 6 m x 25 m. Larger sizes on request. Due to the large number of pools in different sizes, we give a few examples. The exact price should be calculated from a separate price list.

Complete pool shutter cover Seniorita, white, with surface winding reel for rectangle pool:

for pool	code
3,0 x 6,0 m	027800teb
3,5 x 7,0 m	027802teb
4,0 x 8,0 m	027804teb
4,5 x 9,0 m	027806teb
5,0 x 10 m	027808teb





Complete pool shutter cover Seniorita, white, with underwater winding reel for rectangle pool. Maximum mounting depth to 0,6 m.





for pool
3,0 x 6,0 m
3,5 x 7,0 m
4,0 x 8,0 m
4,5 x 9,0 m
5,0 x 10 m

code 027810teb 027812teb 027814teb 027816teb 027818teb

Additional paid for complete shutter:color profiles per 1m²027820tebcutting for stairs027615tebtransport027702tebpackage027701tebhinges at the gutter per 1 lin.m.027703teb





ADDITIONAL EQUIPMENT

Solar bubble covers

Solar bubble cover is made of blue, rigid foil LDPE with thickness of 400 microns. On the surface has a numerous air cells (bubbles), which prevent heat loss and facilitate heating of the water. In the unheated pool, the bubble cover allows to raise the temperature by about 6 degrees. The cover significantly reduces the water evaporation, which is important for indoor pools. Also contributes to lower water contamination in case of the outdoor pools. The bubble cover is welded for a specified size, in the rectangular shape, which can be easily cut to the pool dimensions.

FXPNRT

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and the second	

dimensions	code	dimensions	code
3 x 7 m	00037	5 x 8 m	00055
3,5 x 7 m	00040	5 x 9 m	00056
3,5 x 8 m	00042	5 x 10 m	00057
3,5 x 9 m	00043	5 x 11 m	00060
4 x 6 m	00046	5 x 12 m	00058
4 x 7 m	00047	6 x 10 m	00061
4 x 8 m	00048	6 x 12 m	00062
4 x 9 m	00049	6 x 11 m.	00063
4 x 10 m	00050	any length in w	idth
4,5 x 8 m	00052	of 4, 5, 6 m	00090
4,5 x 9 m	00053		

Manual winding reels

Make it easy to roll up and roll out the solar bubble cover. The durability of the winding reels depending on the material of which they are made and the way of the using them. The winding reels have strips for fixing the solar bubble cover. All winding reels have aluminium, winding pipes, matched to the width of the pools.

Winding reel Olympic

Manual winding reel in the white color. Stands made of ABS, aluminium, telescopic pipes. Pipes can be easily moved and stands can be dismantled. Version up to 5 m has 3 aluminium pipes, each of 2 m long. That is why, the transport cost is low and it is easy to transport them.



name	code
Olympic width up to 5 m	00101
Olympic width up to 6 m	00100

Winding reel ECO, movable

Manual winding reel from stainless steel. The set with 3 aluminium, telescopic pipes, each of 2 m long. That is why, the transport cost is low and it is easy to transport them. It can be easily moved.



name	code
ECO for pool max. 5x10 m	00110

Manual winding reel

Winding reel, fixed

Manual winding reel from polished stainless steel. The set with 3 aluminium, telescopic pipes, each of 2 m long. Permanently mounted to the ground. Height of 50 cm. Version up to 5 m has 3 aluminium pipe, each of 2 m long. That is why, the transport cost is low and it is easy to transport them.

FXPORT

name code for pool max. 5x10 m 00120 for pool max. 6x10 m 00130

Winding reel, movable

Manual winding reel from polished stainless steel. The set with aluminium, telescopic pipes. It can be easily moved. It has constant height of 50 cm. Version up to 5 m has 3 aluminium pipe, each of 2 m long. That is why, the transport cost is low and it is easy to transport them.

name	code
for pool max. 5x10 m	00125
for pool max. 6x10 m	00135

Winding reel Maxi

Manual winding reel from polished stainless steel. The set with aluminium, telescopic pipes, allowing for use on the large pools eg 7×18 m. It has constant height of 50 cm.

code

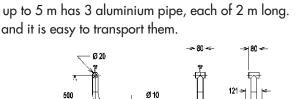
00121 00128

name	
winding reel, fixed, for width 7 m	
winding reel, on wheels, for width 7 m	

Winding reel, mounted in the wall

Manual winding reel from polished stainless steel, mounted in the wall. The set with aluminium, telescopic pipes. Version up to 5 m has 3 aluminium pipe, each of 2 m long. That is why, the transport cost is low and it is easy to transport them.

name code for pool max. 5x10 m 00127 for pool max. 6x10 m 00137



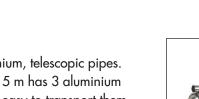






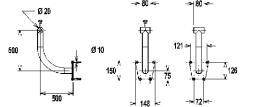






500

ADDITIONAL EQUIPMENT



Ø 200



ADDITIONAL EQUIPMENT

Safety cover

Safety cover is mounted on the pool to protect playing children or animals against against accidental falling into the pool and to reduce evaporation from the water surface, helping to reduce heat loss. With pool size of 4×8 m, safety cover has size of $4,4 \times 8,4$ and how the cover surface is calculated. The snow can not lie on the safety cover. The cover withstands temperatures up to minus 20 Celsius degrees.

EXPORT

Available colors: blue, grey, sand and green.

name	code
blue color	00170
cutting for ladder	00175
transport	00176



Types of placement the mechanisms







A wide range of colors and unlimitled size and shape even more encourage to choose this cover.







Safety cover

Automatic saftey covershave hydraulic mechanism, are equipped with two engines, which can be easily adjusted in terms of power and speed. Does not require supply of electricity to the pool, what is prohibited in many countries. The mechanism is not sensitive to water. The speed of opening/closing the cover is 3 sec./m. The hydraulic mechanism is available in different versions, adjusted to the cover size.



Manual safety covers provide you the same level of safety as automatic covers. Opening mechanism is actuated by a handle of the winding reel. Opening of the cover takes an average from 1 to 3 minutes. Manual safety cover is easy to install.



Manual and automatic covers are available in a surface and underwater version, to which you can choose different casing or lids:

- polyester lid or casing in aluminium frame
- lid, which can be covered with tiles or stones
- wooden lid or casing of oak



TREATMENT/CLEANING

Pool cleaning and water treatment

What other additives to the pool do you require? It depends on the comfort you want to obtain and on your budget. Your pool is ready. The filter cleans the water and now it has a color, just like you imagined. The water is heated by sun, heat exchanger or solar collector. But still need a few things that water further shined in the sun and the pool bottom and walls remained clean.

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Regular care is necessary to pool fulfilled its functions properly.



Manual bottom vacuum cleaners

The filter is not able to prevent to on the pool bottom do not fall sand grains, leaves, toys etc. With the help of manual bottom vacuum cleaners, you can make that pool bottom will be clean again. Suction hose is fixed to the vacuum cleaner and the other end is fixed to the skimmer. When the filter is working, follows water suction by the vacuum cleaner. Using the telescopic rod a vacuum cleaner slowly rides on the bottom and walls of the pool collecting debris. The vacuum cleaners occur in many forms and prices.

Semi-automatic bottom vacuum cleaners

These devices allow for cleaning the pool bottom without the human intervention. But we can not leave them during operation without any control. They are connected to the suction hose, whose end is plugged into the skimmer. Working filter sucks the water through the vacuum cleaner, which itself, without telescopic rod moves on the bottom, picking up pollutants being in the filter. During operation of these vacuum cleaners, the filter pressure should be monitored.

Automatic bottom vacuum cleaner

A fully automatic pool cleaning devices. Most of them also cleans the wall, but it is not the rule. Each of them has an automatic work program and some can also be manually controlled by the remote control. Have their own drive and filtering bag, allowing for work independent of the pool filter. Another advantage is that they cause an additional circulation of the water in the pool. Automatic vacuum cleaners are the most comfortable of all types. Do not require any handling and control during the work.





Water treatment

Water need to be disinfected to keep it clean. Absolutely you need a water tester. With it, by comparing the colors, the value of chlorine (or oxygen) and pH is determined. The pH value is very important and must be approx. 7,2. If the value is incorrect, you should use an agent raising or lowering the pH. There are many models of manual and electronic testers. They are better or worse. When choosing the manual tester, it should be noted that it has two chambers to measure, separately for chlorine (or oxygen) and pH. The best electronic testers are photometric devices. After examining the water by tester you can proceed to treatment. Disinfecting agents work at the appropriate level of pH. The water need to be disinfected. Even the best filtering device will not free the water from bacteria. There are chlorine and oxygen preparations. Chlorine, which we offer you is not the worst soultion. These compounds are safe and effective. Of course must not eat them! There are various methods of water disinfection: chlorination, UV lamps, active oxygen, ozonization. It is preferred to combine two methods together. The choice depends on you. The preparations can be dosed manually or with automatic equipment. Manual dosing of the agents in a solid form takes place through the skimmer, floating dispenser or through the tank founded in the installation. Liquid agents are dosed into the skimmer or directly into the water, best above the inlet nozzles. Automatic devices steer, measure and control state of the water. The pH value is checked and if it deviates from the desired value, automatic dosing is activated. For the private swimming pool in the halls is recommended to use active oxygen for disinfection. In the outdoor or hall pools, intensively used, is recommended to use liquid chlorine. In the public, hotels, leisure centers are used, specially designed to work in them, automatic dosing systems, which measure the chlorine in mg/l. Besides adjustment of pH, in the public automatic dosing systems the value of Redox is measured.



Water treatment in the liner pool

Impurities, present in the water, cling to the liner. A lime forms a hard crust and its color depends on the presence of metal ions, the water hardness, the pH value. To avoid lime sediments, please: use chlorine agents without lime (do not use calcium hypochlorite), set the pH at the appropriate level, add a hardness stabilizer to the water. Ideal and universal cleaner is a cleaning gel, which removes any kind of contamination. It can be used under and over the water. The old lime sediments can be removed as follows: lower the water level, moisten the sediment with acidic cleaning agent and after 15 minutes remove the sediment with a clean cloth and rinse with clean water. Oily sediments on the pool liner, on the height of the water line, may take the colors of brown, yellow and even black. The pool liner on the height of the water line should be cleaned regulary with a sponge with a cleaning gel. In the case of stubborn dirt shall apply degreasing agents such as trichloroethylene or gasoline for chemical wash. When cleaning, do not use strong agents, which can dissolve acrylic coating of the liner surface. Rotting leaves, dead insects etc. should be regularly removed from the pool, because they can discolor the pool liner. Metals in the form of rust, manganese etc. discolor the pool water. This leads to settling the of metals on the pool walls and the bottom. The metals in the water can be removed with briefly increase the value of pH to 9. By adding a flocculant, after increasing of the pH, can bind the metals in the flocculant and separate from the water through the filters. After this operation, the filter should be cleaned and restore proper value of the pH.







Bottom vacuum cleaner "Universal" code 54000



Vaccum cleaner 8-wheeled code 54005



Transparent vacuum cleaner code 54018



Aluminium telescope length code 2 elements 1,9-3,6 m 54050 3 elements 2,5-4,8 m 54051 2 elements 2,5-4,8 m 54052



Bottom vacuum cleaner "Universal" code 54003



Round vacuum cleaner code 403115



Vacuum cleaner Mini Venturi code 54029



Bottom vacuum cleaner "Standard" code 54011



Triangular vacuum cleaner code 54017



Vacuum cleaner Maxi Venturi code 54028



159

Pool accessories



Surface mesh with grip 150 cm code 54027



code 53201

BASENHURT com **EXPORT**

Bottom mesh from plastic code 54026



Floating dispenser for tab. 20 g Heavy brush, aluminium grip code 403150



Thermometer, set code 53542



Suction hose	38 mm
length	code
8 m	54061
10 m	54065
12 m	54067
15 m	54069



Water deckchair code 53850

Suction hose 38 mm roll 100 mb code 54030



TREATMENT/CLEANING

Surface mesh, aluminium frame code 54020



Brush, length 45 cm, light weight code 403113



Round thermometer code 53500, made in EU code 53501, made in PRC



Solar hose 38 mm roll 50 lin. m. code 54032



Surface mesh from plastic code 54023



Bottom mesh, aluminium frame code 54025



Floating dispenser for tab. 200 g code 53200



Repair kit for the liner code 16070







Straight thermometer 25cm

code 53503



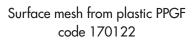


TREATMENT/CLEANING

Pool accessories Ocean de LUXE www.peraqua.eu

If you are tired of the annual exchange of brushes, meshes etc, order Ocean de LUXE accessories. The only accessories, which have 3 years manufacturer's warranty and are of the highest quality, does not destroy after a year of use.







Bottom mesh from PPGF code 170126



Corner brush code 170133



Brush 43 cm from PPGF code 170259



Vacuum cleaner code 170486



Brush 46 cm from PPGF

code 77425

Triangular vacuum cleaner code 170243



Floating dispenser code 170048



Vacuum cleaner width 45 cm code 75588



Vacuum cleaner 8-wheeled code 170188





Pool accessories

Chlorine and pH tester

Two-chamber tester to specify value of the pH and free chlorine in the water. The tablets dissolve rapidly and have a long durability.

code 53100

Active oxygen and pH tester

Two-chamber tester to specify value of pH and active oxygen in the water. The tablets dissolve rapidly and have a long durability.

code 53120

Tablets for tester

Fast dissolving tablets, used only in manual testers. Packed in aluminium foil of 10 pieces.

amount	code
100 pcs.	413316
500 pcs.	413315
100 pcs.	413413
500 pcs.	413415
	53122
100 pcs.	413320
500 pcs.	413325
	100 pcs. 500 pcs. 100 pcs. 500 pcs.

Photometer PC Checkit

Recommended for public pools. Photometric measurement. Complete set, microprocessor-controlled in the technology of SMD with a large quartz display. Measuring cycle: every 3 seconds, panel: LCD, optic: optical sensors and LEDs in a protective housing, voltage: battery 9 V. Measuring range: chlorine (free, combined, total): 0,05 6 mg/l, pH value: 6,5-8,4 pH, cyanuric acid: 1-80 mg/l.

code 413635

Tablets for photometers

Fast dissolving tablets, used only in photometers. Packed in a foil of 10 pieces.

rucked in a foil of the pieces.			
name	amount	code	
chlorine DPD 1	100 pcs.	413313	
	500 pcs.	413314	
pH Phenol Red	100 pcs.	413410	
	500 pcs.	413411	



FXPORT



TREATMENT/CLEANING















TREATMENT/CLEANING

Chemical agents for water treatment

The pool increases the value of your house and garden. The pool provides detente through sports activity in the water, is refreshing, healthy and relaxing. Requirement of undisturbed pleasure of the bath in the swimming pool is a hygiene and appearance of the water and elements of the pool equipment. Lack of adequate care of water and pool can lead to water turbidity and discolor of the pool liner. Bad water quality can lead to irritation of the skin and eyes and thereby to allergic diseases. Only the optimal car of the water and professional pool service will allow properly maintain the area around the pool and the pool itself. For anyone who would like to know a little more about the chemistry of the water in the pool, use and activity of chemical agents for water treatment, we have prepared explanation, which will allow to understand the losses, which are the result of insufficient care of the pool and bad

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What is the pH value?

The pH value (hydrogen exponent) is the number expressing hydrogen ion concentration in the water. The water (H₂O or HOH) splits into negative hydroxyl anions (OH-) and positive hydrogen ions (H+), $H_2O = (H+) + (OH-)$. The concentration product of H+ i OH- is always the same: (H+) x (OH-) = 10-14. When both concentration correspond to yourself (neutral water), we get: (H+) = (OH-) = 10-7 or pH = 7 (the pH value is the negative logarithm of hydrogen ion concentration). If we add hydrogen ions receiver to the neutral water, the particle of the water will react. Example (H+) = 10-9 and (OH-) = 10-5 (pH = 9). The Product of (H+) x (OH-) is again 10-14. The water is now an alkaline (pH > 7). Otherwise, if we add hydrogen ions (or hydroxyl ions receiver), we get: (H+) = 10-3 i (OH-) = 10-11 (pH = 3). Also here, the product of (H+) x (OH-) is again 10-14. Now the water is acidic (pH < 7).

Regulators of pH value

The water in the pool must have a pH between 7,0 - 7,6. Activity of all other chemicals depends on the proper ph value. To maintain the pH at the correct level, we use:

pH minus and Plus

The pH Minus is a granules for lowering the pH value in the water. The pH Plus is used to increase the value of pH. The product creates a negative environment for microorganisms, causing their destruction and inhibition of growth. The appropriate pH (7,2 -7,6) determines the good activity of other agents.





Chemical agents for water treatment

Disinfection of the pool water aims to stopping microbiological activity and destruction of microorganisms. Disinfection is, however, not sterilization, because some of these organisms can survive in inactive state eg by creating spores, which do not grow and not multiply, but exist. As soon as the ambient conditions will become favorable, the spores re-adopt its active state and can rapidly multiply. Therefore, you need to be alert and very careful to the pool water does not give favorable conditions for these organisms. The products are used in concentration, which is toxic to microorganisms, not to humans. Normal conditions for good disinfection is: 0,5 to 1,0 mg/l of chlorine, pH between 7,2-7,6. In our offer you will find only the best chlorine preparations in the form of di- and trichloroisocyanuric. Have a high content of chlorine. Besides, are sold in a solid form, making them easy to use. Slowly dissolving tablets are perfectly suitable for long-term pool disinfection and do not require human intervention. The tablets and granules should not be thrown directly into the pool. Predominantly in the skimmers there is a suitable place for such products. Di- and trichloroisocyjanurates have in its composition a stabilizer, allowing to maintain the appropriate value of the chlorine for a long time.

Chlorine agents

Quick chlorine - granules

The most popular, rapidly dissolvable, organic chlorine in granules. Intended for water disinfection. At 10 m³ of water is sufficient 35 grams.

name	code
Granules, can 1 kg	406601
Granules, pail 3 kg	406603
Granules, pail 5 kg	406608

Maxi chlorine – tablets

The most popular, multifunctional, slowly dissolvable chlorine in tablets of 200g, intended for water disinfection. Keep a constant level of the chlorine in the water. 1 tablet at 35 m³ of water. In its composition has also the algicide agents and the substances fining the water.

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name	code
Maxi chlorine, can 1 kg	406701
Maxi chlorine, pail 3 kg	406703
Maxi chlorine, pail 5 kg	406708





chlorinator

code 415100



TREATMENT/CLEANING



Quick chlorine – tablets

Rapidly dissolvable, organic chlorine in tablets of 20 g, for water disinfection. At 10 m³ of water is sufficient 5 pcs.

name	code 1 kg	code 3 kg	code 5 kg
quick-chlorine tablets	406501	406503	406508

Mini-maxi chlorine – tablets

Slowly dissovable chlorine in tablets of 20 g, for water disinfection. Thanks to slow dissolution, maintains a constant level of the chlorine in the water. In its composition has also the algicide agents and the substances fining the water.

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name	code 1 kg	code 3 kg	code 5 kg
Mini Maxi	406801	406803	406808

Chlorine-free agents

Active oxygen is too unstable to guarantee a constant water disinfection. Hydrogen peroxide and potassium persulfate are the most known form of sources of active oxygen. The oxygen level should be replenished, when shall amount to 35 mg/l. Shock disinfection is performed at least one time per monthm using oxygen or chlorine in the concentrate. Active oxygen has a tendency to lower the pH value, which have to maintain on the level of 7,2 and 7,6. The content of active oxygen can be measured with tablets DPD 4.

Active oxygen

Tablets based on active oxygen. Intended for water disinfection. Reduce the content of chloramines.

name	code
active oxygen, tablets 20 g, pail 3 kg	410669
active oxygen, tablets 200 g, pail 3 kg	410671
active oxygen, concentrate, bottle 11	410667
	-

Preparations removing water turbidity

Flocking agents are used to maintain water clarity. After disinfection, the flocculant is added, which connects the particles floating in the water in the larger particles. Then, they settle on the filter sand bed of the without any problems. Using flocculants, the metals present in the water can be removed. Should briefly raise the pH value to 9, add the flocculant, which binds the metals and separate them from the water through the filters. After this operation, the filter should be cleaned and restore proper value of the pH.

Flockfix

Bags with granules for the prophylactic flocking. Put in the skimmer or pump basket.

name carton 1 kg code 407650

Super Flock

Used for intervetion removing of water turbidity. Used in order to obtain clarified, turbid-free water.

name	code
Flock bottle 1 kg	407601
Flock canister 5 kg	407605



Chemical agents for water treatment

Algicides agents

The algae need for growth the hot water, sunlight, carbon dioxide and nutrients such as nitrates from chloramines (combined chlorine), phosphates from the water, which supply the pool or introduced by bathers. In the pools with good water circulation, good filtration, optimal flocking and pH, phosphates can be partially removed, thereby taking away algae the food. In the pool water are three types of algae. The brown algae occur least often. They form colonies on the pool bottom in the form of tawny or golden powder. This type of algae is the most resistant to chlorine, can survive and grow in the water contains from 0,3 to 0,5 mg/l of free chlorine. The next group of algae are called black algae (or blue-green), which settle on the pool walls. Their colonies are small stains, consisting of many layers of algae, growing aheap. By chlorination, can be destroyed the outer layer of the algae, but these beneath are still growing in size and that is why it is said that they are quite resistant to chlorine. The third group of algae, the most often occurring in the swimming pools, are a green algae. This kind of algae swim on the pool water surface (then are not visible), about their presence in the pool water indicate slippery walls, and then they begin to settle in the sunny places, and where is poor circulation and water movement. During this time, rapidly increasing the demand in the pool water to chlorine. In the case of too slow reaction of the dosing equipment, occurs efflorescence of algae in all of the pool water, which makes green, opaque, and the pool is unhygienic unaesthetic. The green algae can be removed from the pool water through shocking chlorination, approx. 3 mg/l of active chlorine, the brown algae through pool vacuuming, the black algae only through brushing the stains. To prevent the occurrence of the algae regularly use algicides agents (increasing the dose with the increase of the water and air temperature), keep the value of the chlorine and pH at right level.

Alba Super

The best, non-foaming algicide and bactericidal preparation. Also used at the formation of large amount of algae. Keeps the water in excellent condition, even at high air temperatures. It works immediately after application.

name	code 1 kg	code 3 kg	code 5 kg
Alba Super	406401	406402	406405

Algenex Super

Algicide preparation. However, like other preparations on the market persists of quality to Alba Super and at high temperature > 30 degrees of C can not cope. Intended for prophylactic use. Should be used regularly.

name	code 1 kg	code 3 kg	code 5 kg
Algenex	406430	406440	406450





TREATMENT/CLEANING



Liquid agents for automatic dosing

name	code	name	code
Liquid chlorine 35 kg	410560	pH Minus, liquid 40 kg	410530
Active oxygen 30 kg	410665	Super Flock, liquid 30 kg	410520
pH Plus, liquid 35 kg	410540	Active oxygen, shock treatment	410667

Cleaning agents

Cleaning gel

Universal gel for cleaning the swimming pools. Intended for the liner and tile pools. Also cleans under the water. The consistency of the gel causes that it does not flow down from the sponge during cleaning.

com

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name cleaning gel 1 kg

Poolfinisch Efficient cleaning agent for steel elements.

code 51900

Flisan

Alkaline agent against fats.

name code 10 kg code 30 kg Flisan 410705 410707

Randklar

Agent for cleaning liner and plastics, cleans fats, oils and rust film.

code

406101

name	code 10 kg	code 30 kg
Randklar	410675	410677
Veralin F		

Keraclin F

Acidic cleaning agent for pools and their surroundings. Prevents to formation of limestone, mineral and fatty stains. name code 10 kg code 30 kg Keraclin F 410695 410697

Edelstahl VA

Agent for cleaning and maintenance pool troughs made of stainless steel and metal parts from a special alloy steels name code

Edelstahl VA 10 kg 410712

Compactal

Acidic cleaning agent for outdoor pools. Dissolves a lime and sediments. Removes brown discoloration, resulting from the action of iron and other metals.

name	code 10 kg	code 30 kg
Compactal	410685	410687

Special agents

These are special-purpose products.Stabilizer prevents to percipitation of calcium and iron.Chlorine STOP reduces the level of the chlorine in the water.Defoamer agent prevents to formation of the foam.namecodeWater hardness stabilizer 3 kg410715Water hardness stabilizer 10 kg410717Chlorine STOP 5 kg406630Defoamer agent 1 kg410720



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Automatic dosing systems

Measuring and dosing unit Eurodos

Reliable device regulating the amount of disinfectant and the pH value in your pool. The Eurodos measures and controls the work of dosing pumps and brings the values to the desired level. The work is done automatically by microprocessor. Easy installation, maintenance and programming. The whole mounted on the board. The set consists of: control box, 2 peristaltic dosing pumps 2 l/h or membrane pumps with adjustable performance to 5 l/h, connection elements, electrodes, pressurisable measurement chamber, hoses.

FXPNRT

Eurodos with peristaltic pumps

Undoubted advantages are quiet work and the ease of run the pumps. name code Eurodos pH/active oxygen 1306000 Eurodos pH/chlorine (Redox) 1236000 flow sensor (optional) 14040

Eurodos with membrane pumps

Undoubted advantages are adjustable performance and lack of service of pumps for a long time. name code Eurodos pH/active oxygen 1306001 Eurodos pH/chlorine (Redox) 1236001 flow sensor (optional) 14040

Salt electrolyzer TEBAS

IFBAS

Compact device disinfecting swimming pool through the production of chlorine from salt (NaCl), which is characterized by quality, reliability and completeness! Easy to set up and assembly thanks to the connections on hose 32/38m. The whole on a comfortable basis with dimensions 47 x 36 cm. Salt electrolyzer TEBAS is equipped with a titanium electrodes, working time clock and the LED indicator of the salt level, water flow sensor, self-cleaning function, ABS housing resistant to UV, power cable 230V 4.5 meters, alarm of low and high salt level. Working range 2700-3400 ppm, working temperature from 10 to 60 Celsius degrees, change of work polarity every two hours.

The device must be installed in a dry place.

name salt electrolyzer TEBAS 15g Cl/h for private pool max.70 m³. Power supply 230V

Measuring and dosing unitTebas-Economic

Simple measuring and dosing device, regulating pH and Redox. Delivered with two peristaltic pumps with performance of 1,5 l/h, electrodes and connections elements.

name Tebas-Economic pH/Redox code 1236003





TREATMENT/CLEANING







code

78775



Automatic dosing systems

Measuring and dosing unit Autodos

Modern design and advanced technology creates a highly intelligent device Autodos. It was designed to regulation conditions prevailing in the pool water. Devices, measuring free chlorine are intended for public pools. Applied high technology allows for the best quality of work, reliability and maintenance-free operation. The system is equipped with 2 independent channels to monitor the chlorine or Redox and pH. The Autodos regulates the level of pH (through dosing the acid or alklaine) and chlorine. The regulation of the chlorine takes place by the lowering the level of total chlorine and increasing the content of free chlorine. You can mount the model with control the device by your PC. The device is delivered as a complete system without dosing pumps.

FXPNRT

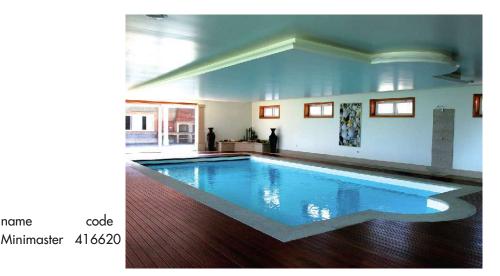


name	code
Autodos M2 pH & free chlorine with electrode PB200	416540
Autodos M2 pH & free chlorine with electrode CLE3	416542
Autodos M2 pH/Redox	416550
Autodos M3 pH/Redox & free chlorine with electrode PB200	416560
Autodos M3 pH/Redox & free chlorine with electrode CLE3	416562
Elements needed to control the device by your PC	
Data logger 32kB EPROM	41625
Communication module communication with PC via RS232	41620

MiniMaster

This is technologically advanced automatic dosing system for private pools. The MiniMaster offers continual monitoring and automatic dosing, ensuring maximum safety in your pool! The MiniMaster is based on the same technology as well-known Autodos. With the MiniMaster installed in your pool, you will never have to worry about the quality of the water - the MiniMaster automatically will take care of it! Functions and advantages: constant measurement of the pH and the concentration of free chlorine, two digital controllers based on LED technology, easy installation and maintenance, built-in prefilter, electronic flowmeter, easy access to the calibration, separate modules for each of the measuring electrode, automatic dosing of chemical agents. The device is delivered as a complete system without dosing pumps.







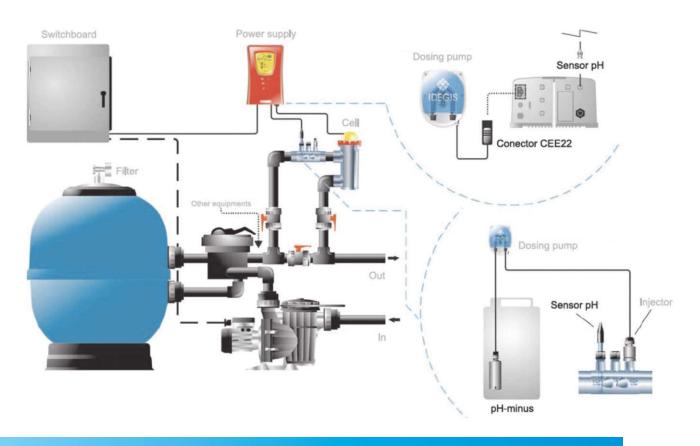
Automatic dosing systems

Salt electrolyzer with pH regulation

Perfect device for private swimming pools! Automatic pH level regulation is the biggest advantage of salt electrolyzer Tecno, but not the only one. While maintaining the optimum pH level, improves oxidation and disinfection effectiveness. Prevents corrosion and surface precipitates. Electrolyzer Tecno is a fully professional device equipped with flow alarm, efficiency scale (%), buttons to increase and decrease efficiency, salinity alarm (high/low), indicators of self-cleaning (direct/reverse polarity), button of pH calibration, button of pH setpoint programming, alarm indicator of low pH (<6.5), alarm indicator of high pH (>8.5), display (water pH and setpoint). PH measurement and dosing pump 4l/h included, power supply 230V. Choose electrolyzer to your swimming pool size.



name	code
salt electrolyzer TECNO-PH 7G with pH regulation	
7g of chlorine/h for private pool max. 25 m³	78767
salt electrolyzer TECNO-PH 12G with pH regulation	
12g of chlorine/h for private pool max. 50 m³	78768
salt electrolyzer TECNO-PH 21G with pH regulation	
21g of chlorine/h for private pool max. 80 m ³	78769
salt electrolyzer TECNO-PH 30G with pH regulation	
30g of chlorine/h for prvate pool max. 120 m³	78770
salt electrolyzer TECNO-PH 40G with pH regulation	
40g of chlorine/h for prvate pool max.160 m ³	78771





TREATMENT/CLEANING

Lamps UV-C

Designed for disinfection of the water with UV rays in the process of photoxidation reaction. The lamp is mounted in the pool installation after the filter. The water should have a turbidity not higher than 15 mg/dm³, in order to the disinfection process run efficiently. The excessive turbidity limits the effectiveness of radiation and there is the necessity for frequent cleaning of lamps surface. Therefore it should be used flocking agents. The process of germicidal, performed with UV lamp should be assisted with chlorine dosing and regulation of pH value to obtain proper effect of improving water quality and prolong the operation time of the process. With proper increasing the amount of the UV lamps, chlorine dosing can be completely eliminated. The advantages of using UV lamps: very low purchase cost and operating costs, reduce the amount of chlorine dosed up to 80%, effective destruction of bacteria, no problems with eyes irritation and allergic reactions during the bathing.

FXPNRT



name	code
lamp UV-C BUDGET 75 W, 230 V, for pool max. 75 m ³ , max. flow 30 m ³ /h, power consumption 25 W	416575
lamp UV-C BUDGET 150 W, 230 V, for pool max. 150 m ³ , max. flow 60 m ³ /h, power consumption 25 W	416578
lamp UV-C TECH 75 W, 230 V, for pool max. 75 m ³ , max. flow 30 m ³ /h, power consumption 25 W	416576
lamp UV-C TECH 150 W, 230 V, for pool max. 150 m ³ , max. flow 60 m ³ /h, power consumption 25 W	416579

Membrane dosing pump

Electronically controlled, reliable membrane dosing pump of wide use. It serves as a pump for dosing the flocking agent, chlorine, active oxygen, pH regulating agent. Efficiency adjusted up to 5 l/h. The set includes all the elements for connection.



name	code
membrane dosing pump	25358
as above, but with automatic self-venting	25355

Peristaltic dosing pump

Inconspicuois, but powerful peristaltic dosing pump with efficiency of 2 l/h. Connects to the hose 6 x 4 mm. Characterized by quiet work. The hose should be replaced every 1 year. **code 25360**

Suction lance placed in the canister with the chemical agent. Thanks to it, the dosing pumps are not air-locked and do not gather dirt from the canister bottom. **code 416694**





Semi-automatic vacuum cleaners

This vacuum cleaner perfectly clean the pool. Is connected to the skimmer via hose of 10 meters long. Is activated through the power of working pump of the pool filter. Suitable for any kind of pool. Working width is 27 cm. Cleans pool bottom, as well as walls, if you will provide the optimal flow on the filter pump.

name	code
2FUN two-wheeled	71998
4FUN four-wheeled	73709
4FUN four-wheeled with filter	74041



Vacuum cleaner James

reliable - code 55096

Semi-automatic vacuum cleaner for pool cleaning. It has its own filter bag and pump with efficiency of 8 m³/h, 230 V with a cable of 10 m. During operation, do not use the pool. Pool filter should be turned off. Intended for private pools. Telescope is mounted to the vacuum cleaner, by means of which the pool cleaning is performed.

code

name	
vacuum cleaner James	
telescope 1,9-3,6 m	
telescope 2,5-4,8 m	
spare sack 70 micron	







TREATMENT/CLEANING

Automatic vacuum cleaners Dolphin

Dolphin is a technologically advanced and comfortable to use, reliable helper to keep the pool clean. Moves by itself, working at low volatge 30 V. In the morning throw it into the water and after the work pull it out. The pool is completely scrubbed, thanks to the filtering inserts, stopping the dirt. All Dolphins have a trolley and power supply in set. Some models can be controlled manually with the remote control. It is important to choose the right model for owned pool. The vacuum cleaner Dolphin can work in the water at the temperature up to 34 Celsius degrees and a salt content up to 0,5 mg/l.

RT com

FXPNRT

Types and destiny of brushes – the type of coating the inner pool wall decides about the choice of brushes: PVC brush – for liner, concrete and polyester pools

Combi brush – for pools with rough tile or slippery liner Alkorplan 3000 (mosaics)

Wonder brush – for pools with slippery tile, glass mosaic and steel

Supreme M3

Recommended for pools up to 10 meters in length. Cleans pool walls and corners. Designed to provide you hours of entertainment spent in clean and hygenic pool. The M3 provides you: saving of water and energy, will help to prevent the growth of algae and bacteria, reduces the number of necessary cleaning equipment.

Parameters of Dolphin Supreme M3: cycle time 3 hours, cable length 17 m, class IP 54, input power 230 V AC, output power 30 V DC.

Dolphin Supreme M3 - features and benefits:

- brushes, scrubs and filters bag collects dirt and dust
- effective cleaning, optimal scanning of the pool
- autonomous device requires no installations
- small, light and handy easy of maintenance, service and repairs
- low voltage low power consumption avoid obstacles
- automatically shut down after work
- motor protection mechanism in case of overload or lack of water
- suitable for indoor pools 24 months warranty

Dolphin SUPREME M3 with Combi brush and trolley code 55060

Dolphin Explorer New Standard



Never stops work for you. The New Standard is well working robot, robust, reliable, and inexpensive Dolphin family member, famous from its sturdy construction, the ability to climb the pool walls and thorough cleaning. It is a unique robot trained to keep your pool in perfect purity. Equipped with a special program for self, optimal pool scanning. Parameters of Dolphin New Standard: cycle time 2,5 hours, cable length 18 meters, recommended for pools up to 12 meters in length, filter porosity 50 microns, pump efficiency 17m³/h, motor voltage 30V DC, protection class IP 54, input power 230 V AC, output power 30V DC. The cleaning process is environmentally friendly and requires use less chemistry. Access to the filter through top housing.

name	code
New Standard with PVC brush and trolley	55072
New Standard with Combi brush and trolley	55073
New Standard with Wonder brush and trolley	55074



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Automatic vacuum cleaners Dolphin

Supreme

Dolphin Supreme M4 and M5 is an important step in pool cleaning robotics. Created in base of many years of experience. The Supreme M4 and M5, thanks to the unique innovative features take all the hard work out of pool cleaning, while providing reliable cleaning results every time. Intensive cleaning contributes to the elimination of bacteria and algae. Cleans bottom, walls and water line. The Supreme M5 is equipped with remote control for manually controlling and programming operation parameters. Parameters of Dolphin Supreme: M4 cycle time 2,5 h, M5 cycle time 1,5 h, 2,5 h or 3,5 h, cable length 20 meters, for pools up to 12 meters in length, pump efficiency 17 m³/h, motor voltage - 24 V DC, class IP 54, input power 230 V AC, output 30 V DC.

Features and benefits of Dolphin Supreme M4 and M5:

equipped with 3 cleaning brushes and 3 filters, M5 is equipped with remote control, advanced technology of scanning pool range, enables optimal cleaning in a short work cycle, equipped with additional brush, causing the double more effective cleaning, patented top opening of filter cover, allows for easy upkeep clean filters and convenient access, patented cleaning system Multi Filtration System (MFS): Ultra fine, Ultra fine disposable and Spring cleaning, one-way water valves prevent the escape of debris and ensure rapid water drainage, adjustable floats allow efficient scanning in different pool sizes, automatic motor protection mechanism, low voltage motor provides minimal energy consumption, automatic shut off at end of each cycle.



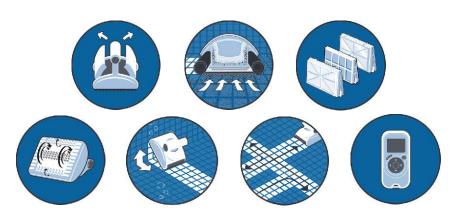
Supreme M4

name	code
Dolphin Supreme M4, PVC brush	55020
Dolphin Supreme M4, Combi brush	55022
Dolphin Supreme M4, Wonder brush	55024

Supreme M5

е
40
42
44







TREATMENT/CLEANING BASENHURT.com







Dynamic Plus

FXPNRT

The power of cleaning intelligence. The Dolphin Dynamic Plus is the perfect cleaning robot for any residential pool. It has a remote control with joystick to help you choose a fitting cleaning programme, from wall climbing to ultra clean. The user-friendly remote control also makes it easy to set the cycle time or to manoeuvre the robot into the hard-to-reach corners. The Dolphin Dynamic Plus offers a convenient clogged filter bag indicator, cable swivel and a robust construction providing durability and safety. The Dolphin Dynamic Plus truly redefines intelligence in pool cleaning technology.

Parameters of Dolphin Dynamic Plus: cycle time 2, 3 or 4 hours, cable length 20 meters, for private pool up to 12 meters in length, filter bag porosity 50 microns, pump efficiency $16 \text{ m}^3/\text{h}$, motor voltage - 24 V DC, class IP 54, input power 230 V AC, output power 30 V DC.

name	code
Dolphin Dynamic Plus, PVC brush	393010
Dolphin Dynamic Plus, Combi brush	393011
Dolphin Dynamic Plus, Wonder brush	393012

PRO X2

Driven to perfection Dolphin Dynamic Pro X is very durable, very intelligent robot for mid-size public pools. Constructed according to the latest technology, has reinforced parts, self-learning programme, dual motor and clogged filter bag indicator. Patented cable swivel prevents cable tangling. Wireless remote control for manual programming and control the operation. Wide selection of cleaning programs and parameters: cycle time, pool length, wall climbing, type of cleaning. Brushes, vacuums and filters the pool bottom, walls and water line in less than 8 hours. Large filter bag collects debris, sand and dust. Parameters of Dolphin Dynamic Pro X2: cycle time 4 h, 6 h or 8 h, cable length 30 meters, for public pool up to 25 meters in length, pump efficiency 16 m³/h, motor voltage - 24V DC, class IP 54, input power 230 V AC, output power 30 V DC.

name	code
Dolphin Dynamic Pro X2, PVC brush	393013
Dolphin Dynamic Pro X2, Wonder brush	393014

Dolphin Bio

This is an innovative solution for cleaning natural pools and ponds, combining advanced production technology and unique features in order to the Dolphin be able to fulfill the challenge of cleaning natural pool. The Dolphin Bio is suitable for pools up to 15 meters in length. Effective cleaning, removing leaves and other debris using internal filtration or external suction, and scrubbing the walls, bottom and shoreline. Dolphin Bio does a heavy work for you - without intervention and harming the flora of your pool. Unique triple-active brush, using two Bio brushes and an additional double-speed brush, efficiently srubs dirt, algae and bacteria, even from extremely slippery surface. Using remote control, you can select one of the three filtration modes and suction through the pump.

> name Dolphin BIO PVC

code 55080





RASENHURT com FITTINGS, VALVES, PVC PIPES



EXPORT

Technical data

Material

Fittings are made of high quality PVC and are suitable for drinking water. Raw material used for their production complies with all EU standards.

PVC-U/hard PVC: polyvinylchloride Gaskets: EPDM Standards: DIN 8063-ISO 727 NFT 54-028-KIW A 54

color: dark gray RAL 7011

Working pressure

The safety factor at + 20 °C to PN 16 is 50 years. At operating temperatures + 20 °C, the pressure is:

diameter (mm)	pressure (bar)
10-160	10-16
200-250	10
280-400	10 or 6

Maximum operating temperature: max. 60 °C.

Shortcuts

- I.G. internally glued
- **E.G.** externally glued
- **I.T.** internal thread
- E.T. external thread



6 **FITTINGS, VALVES, PVC PIPES BASENHURT**.com





Elbow 90° I.G.-E.T.

710155 50 mm x 11/2" 710163 63 mm x 2"

code

code

650020

650025

650032

650040

650050

650063

650075

650090

650110

650140

650160

650225

650227

650228

code

650550

650563

652063



20 mm

25 mm

32 mm

40 mm

50 mm

63 mm

75 mm

90 mm

110 mm

140 mm

160 mm

225 mm

250 mm

315 mm

Elbow 90° I.G-E.G.

50 mm

63 mm

63 mm







-

Elbow 45°	
I.GI.G.	code
20 mm	651020
25 mm	651025
32 mm	651032
40 mm	651040
50 mm	651050
63 mm	651063
75 mm	651075
90 mm	651090
110 mm	651110
140 mm	651140
160 mm	651160
225 mm	651225
250 mm	651227
315 mm	651228
Elbow 45°	
I.GE.G.	code
50 mm	652050



EXPORT







Elbow 90°

I.G	I.T.		
20	mm	Х	1⁄2"
25	mm	х	3⁄4"
32	mm	х	1"
40	mm	х	1¼"
50	mm	х	11⁄2"
63	mm	х	2"
75	mm	х	21⁄2"

code

710020

710025 710032

710040

710050

710063

710075

Bend 90°

I.GI.G.	code
20 mm	653020
25 mm	653025
32 mm	653032
40 mm	653040
50 mm	653050
63 mm	653063
75 mm	653075
90 mm	653090
110 mm	653110

Muff

I.GI.G.	code
20 mm	654020
25 mm	654025
32 mm	654032
40 mm	654040
50 mm	654050
63 mm	654063
75 mm	654075
90 mm	654090
110 mm	654110
140 mm	654140
160 mm	654160
225 mm	654225
250 mm	654226
315 mm	654228

Muff

I.GI.T.	code
20 mm x ½"	711020
25 mm x ¾"	711025
32 mm x 1"	711032
40 mm x 1¼"	711040
50 mm x 1½"	711050
63 mm x 2"	711063
75 mm x 2½"	711075
90 mm x 3"	711090
110 mm x 4"	711095



FITTINGS, VALVES, PVC PIPES **BASENHURT** com

Tee 90°

I.GI.G.	
~~	

20 mm
25 mm
32 mm
40 mm
50 mm
63 mm
75 mm
90 mm
110 mm
140 mm
160 mm
225 mm
250 mm
315 mm



658228

code

683025

683032

683040

683050

683063

code

699438

730842

code



EXPORT

Cross

4 x I.G 25 mm 32 mm 40 mm 50 mm 63 mm



Hose union

50-38 mm

Hose union

code 38 mm x 11/2" 730840

50 mm x 11/2" transparent

Tee

2 x	I.G	I.T.
------------	-----	-------------

code 20 mm x ¹/₂" 710420 25 mm x ³/₄" 710425 32 mm x 1" 710432 40 mm x 11/4" 710440 50 mm x 1¹/₂" 710450 63 mm x 2" 710463 50 mm x ½" 710460 50 mm x 3/8" 710465 63 mm x ½" 710470 63 mm x 3/8" 710475



I.GI.G.	code
20 mm	655020
25 mm	655025
32 mm	655032
40 mm	655040
50 mm	655050
63 mm	655063
75 mm	655075
90 mm	655090
110 mm	655099

Socket



I.GE.T.	code
50 mm x 1½"	711185
63 mm x 2"	711186

Reducing coupling

E.TI.T.	code
20 mm x ¼"	711615
20 mm x 3⁄8"	711620
25 mm x ½"	711625
32 mm x ¾"	711632
40 mm x 1"	711640

Socket **E** 2

.GE.T.	code
20 mm x ½"	711141
25 mm x ¾"	711144
32 mm x 1"	711147
40 mm x 1¼"	711151
50 mm x 1½"	711152
63 mm x 2"	711163



Socket for

overflow tank code 63 mm 656163 75 mm 656164 90 mm 656165 656166 110 mm

Union metal-PVC

I.GE.T.	code
50 mm x 1½"	60905
63 mm x 2"	60906

I.G.-I.T.

50 mm x 11/2" 60805 63 mm x 2" 60806

code















FITTINGS, VALVES, PVC PIPES







Reducing socket,	short
E.GI.G.	code
25-20 mm	692010
32-25 mm	692015
40-20 mm	692016
40-25 mm	692017
40-32 mm	692020
50-20 mm	692023
50-25 mm	692024
50-32 mm	692025
50-40 mm	692030
63-40 mm	692035
63-50 mm	692040
75-50 mm	692043
75-63 mm	692045
90-63 mm	692049
90-75 mm	692050
110-63 mm	692053
110-75 mm	692054
110-90 mm	692055
125-110 mm	692056
140-90 mm	692064
140-110 mm	692065
140-125 mm	692066
160-140 mm	692075
200-160 mm	692076
225-110 mm	692077
225-140 mm	692078
225-160 mm	692080
225-200 mm	692081
250-225 mm	692083
Nippel	0/2000
I.G-E.T.	code
20 mm x ½"	715720
25 mm x ³ / ₄ "	715721
32 mm x 1"	715731
40 mm x 1¼"	715741
50 mm x 1¼"	715751
50 mm x 1½"	715752
50 mm x 2"	715755
63 mm x 1½"	715761
63 mm x 2"	715765
63 mm x 2½"	715767
75 mm x 2"	715775
75 mm x 2 ¹ / ₂ "	715777
75 mm x 3"	715778
90 mm x 3"	715781
110 mm x 4"	715785
1 I U IIIII X 4	/13/03



EXPORT









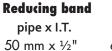


Transitional nippel E.G.-E.T. code 20 mm x ½" 715020 25 mm x ¾" 715025 22 mm x ¼" 715025

32 mm x 1"	715032
40 mm x 1"	715041
40 mm x 1¼"	715042
50 mm x 1½"	715052
63 mm x 1½"	715062
63 mm x 2"	715065

End cap

I.G.	code
20 mm	686020
25 mm	686025
32 mm	686032
40 mm	686040
50 mm	686050
63 mm	686063
75 mm	686075
90 mm	686090
110 mm	686110
End cap	
E.T.	code
³ /8"	730016
¹ /2"	730020
3/4 "	730025
1"	730032
] ½"	730050
2"	730063
Nut	
E.T.	code
3⁄8"	730216
¹ / ₂ "	730220
³ /4 "	730225
1"	730232
] 1⁄4"	730240
] ¹ / ₂ "	730250
2"	730263
Rubber stopper	
diameter	code
] ½"	62586
2"	62588
Reducina band	



50 mm x ½"	656350
63 mm x ½"	656363
75 mm x ½"	656375

code

FITTINGS, VALVES, PVC PIPES

Ball valve

I.GI.G.	code
20 mm	732020
25 mm	732025
32 mm	732032
40 mm	732040
50 mm	732050
63 mm	732063
75 mm	732075
90 mm	732090
110 mm	732110



Non-return valve

I.GI.G.	code
20 mm	732520
25 mm	732525
32 mm	732532
40 mm	732540
50 mm	732550
63 mm	732563
75 mm	732575
90 mm	732590



Transparent union

I.GI.G	code
50 mm	730910
63 mm	730920
75 mm	730925
90 mm	730930
110 mm	730935
140 mm	730940
160 mm	730945



Motor valve

I.GI.G.	code
50 mm, 230 V	732315
63 mm, 230 V	732316
50 mm, 24 V	732355
63 mm, 24 V	732356



Three-way valve, glued

3 x I.G.	code
50 mm	732260





63 mm	717063
75 mm	717075
90 mm	717090
110 mm	717110

Round bushing code

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> 125 mm 718125 140 mm 718140 160 mm 718160 225 mm 718225 250 mm 718227

Flat gasket	code
63 mm	720063
75 mm	720075
90 mm	720090
110 mm	720110
140 mm	720140
160 mm	720160
225 mm	720225
250 mm	720227

Flap valve	code
75 mm	732205
90 mm	732210
110 mm	732215
140 mm	732220
160 mm	732225
225 mm	732230
250 mm	732235

Non-return flap code 63 mm 732669 75 mm 732670

90 mm 732671 110 mm 732672 140 mm 732673 732674 160 mm 225 mm 732676 250 mm 732678











FITTINGS, VALVES, PVC PIPES





PVC	pipe	grip

50 mm	745050
63 mm	745063
75 mm	745075
90 mm	745090
110 mm	745110
140 mm	745140
160 mm	745160

Glue for PVC pipes Tangit

125 g

250 g

500 g

1000 g

125 g

1000 g

Glue for PVC pipes

Dissolvent for pipes

code

code

750005

750010

750020

750025

code 618010

618060



6	6	
	Tangit	1
	Reiniger North (Kart) und PVC-C Name PVC-Reiniger Name PVC-Reiniger	1
	Cleanser In Bonding PVC-U (right) and PVC-C Décaparts In PCC Instantion of C	1
	Detergente	



	code	
125 ml	750115	
1 litr	750120	
1 litr	070040	
PVC pipe, glued		
	code	
20 mm	740020	
25 mm	740025	

	740020
25 mm	740025
32 mm	740032
40 mm	740040
50 mm	740050
63 mm	740063
75 mm	740075
90 mm	740090
110 mm	740110
140 mm	740140
160 mm	740160

Flexible pipes

	code
50 mm	741050
63 mm	741063
75 mm	741075
90 mm	741090
glue	741095

6

BASENHURT.com **EXPORT**

Special unions for flexible pipes



Clamp union

	coae
50 mm E.G.	61550
63 mm E.G.	61551
50 mm I.G.	61555
63 mm I.G.	61556

Clamp union with thread

	code
50 mm x E.T. 1½",	61560
with gasket 50 mm x E.T. 2",	61561
with gasket 63 mm x E.T. 2",	61562
with gasket 50 mm x I.T. 1½" 63 mm x I.T. 2″	61590 61591

Clamp elbow

	code
50 mm I.G.	61565
63 mm I.G.	61566



Clamp elbow

	code
2 x 50 mm I.G.	61570
2 x 63 mm I.G.	61571





•	code
2 x 50 mm I.G.	61575
2 x 63 mm I.G.	61576

Clamp tee

h	code
3 x flex. pipe 50 mm	61580
3 x flex. pipe 63 mm	61581



HIRT com TEBAS PRODUCTS



Tebas is a brand of products for swimming pools, which are produced at an angle of connection the quality and price.

FXPORT

Filter Saturn with pallet without pump

name c filter Saturn 406 mm 08 filter Saturn 485 mm 08 filter Saturn 610 mm 08



Automatic dosing system Tebas-Eurodos

name code pH/active oxygen 1306000 pH/Redox-chlorine 1236000 pH/active oxygen 1306001 pH/Redox-chlorine 1236001



Filter Saturn with pump and pallet

name code 406 mm, 8 m³/h 081017 485 mm,10 m³/h 081024 610 mm,13 m³/h 081029

Automatic dosing system





Tebas-EconomicnamecodepH/Redox-chlorine1236003



Pneumatic control boxes Tebas

 for pump with power
 code

 to 2,2kW, 230 V
 375146

 to 2,2kW, 400 V
 375147

 to 4,0kW, 400 V
 375148



Pump controller Tebas

 for pump with power
 code

 to 2,2 kW, 230 V
 14801

 to 2,2 kW, 400 V
 14802

 to 4,0 kW, 400 V
 14803



Filter	controller
Tebas	Pool-Consulting
name	

name code Tebas Pool Consulting 230 V 14800



LED bulbs

name code LED 12V, 15 W, white 24880 LED 12V, 15 W, color 24882 Maxi 12V, 20 W, white 24881



Salt electrolyzer TEBAS

name code salt electrolyzer TEBAS 15g Cl/h for pool max. 70 m³ 78775

Heat pump TEBAS

name heat pump 230 V, 8,5 kW heat pump 230 V, 10,5 kW heat pump 230 V, 13,0 kW heat pump 230 V, 16,0 kW



14613

code

24405

24405led

24405ledrgb

Lamp Euro 12 V name lamp 300 W, lamp 15 W, LED white lamp 15 W, LED color

code 24400 nite 24400led lor 24400ledrgb

code

24320

24320led

24320ledrgb









SECURITY - Pool roofing provides a barrier to children and pets. Thanks to our construction the pool becomes safe, "closed" in your patio, adding security against life-threatening hazard when unattended.



SEASON EXTENSION - Pool roofing enables pool-side leisure regardless of weather conditions. Our constructions are covered with polycarbonate, a material with ideal insulating qualities and absorption of solar energy.



CLEANLINESS - You no longer need to endlessly clean your pool. Your pool is not supposed to make work, it is supposed to be for recreation, to spend more time having fun in water, to rest provide an atmosphere for relaxed converstaion with your friends. With the roofing, you will find out exactly what it means to relax and what rest at pool-side means. Your pool will cease to be an additional, problematic object, a chore for cleaning, instead becoming a new element in your lifestyle. The pool roof succesfully protects your pool against falling leaves, blown soil and dust, as well as debris from nearby fields and wasteland.



ENERGY EFFICIENCY - Pool roofing is a natural solar collector. Our constructions are covered with polycarbonate, a material of high solar absorption ratio, i.e. yielding significant solar energy the passive heating of water in the pool through solar rays as a result; the roofing material provides a combined advantage of warming the water while insulating against loss of heat during the night or during a cold weather. On sunny days, thanks to the covering, water temperature of even an unheated pool can be raised.

BASIC CONSTRUCTION INCLUDES

- reinforced aluminium framing structure
- roofing material a solid polycarbonate, thickness of10 mm, with UV surface filter
- one retractable door, installed according to specification
- · semi-automatic, retractable roof system and segments installed
- system of wind damage protection















