



Setup possibility

Free access to the sponges through 90° setup possibility for easy and fast maintenance.



Water distributor with flow regulator

Adaptation of the ScreenMatic sieve to different pump capacities for optimal function.



Electric motor

For the electric drive of the ScreenMatic preliminary filter in 30 minute intervals.



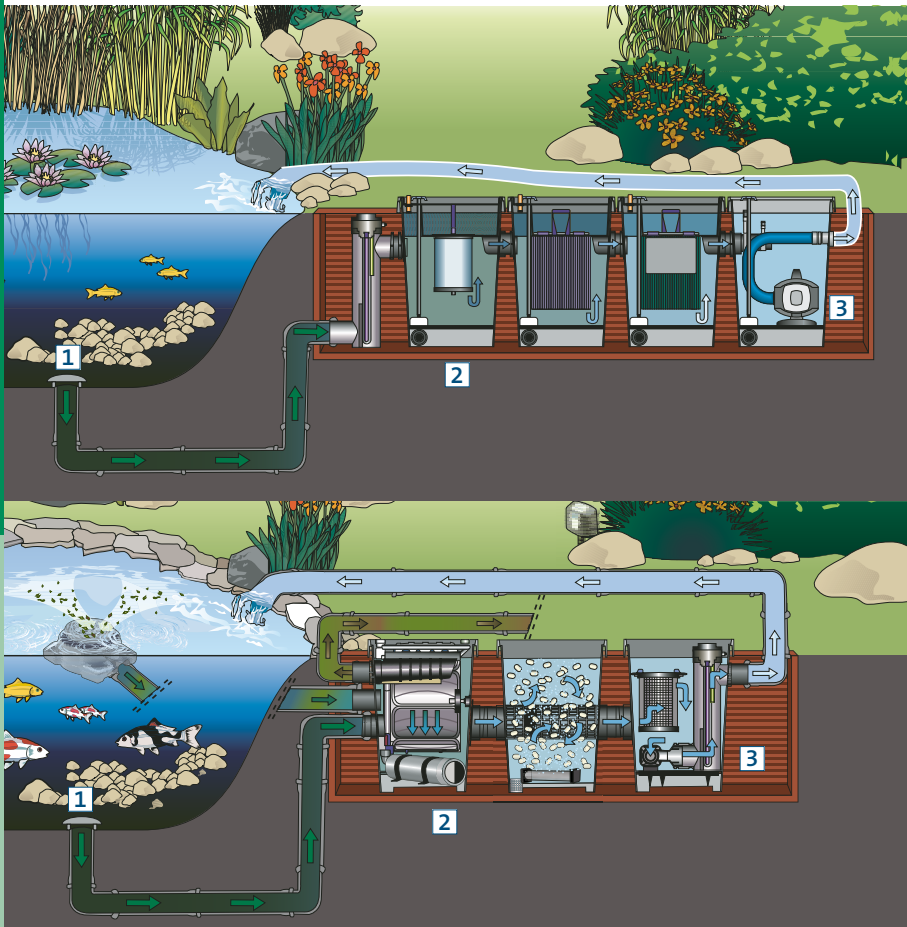
Triple separator

Frees the ScreenMatic from accumulated debris in three stages.

Accessories (must be ordered separately)

 <p>Spiral hoses, green with black -spirals (pressure: 6 bar)</p> <ul style="list-style-type: none"> • Frost-resistant and UV-resistant • Good sinking characteristics • Temperature-resistant to + 60 °C • Heavy-metal free – guaranteed 		
Spiral hoses		
1 1/2"	25 m length	Order no. 52981
2"	20 m length	Order no. 36500
Replacement filter sponges		
for BioTec 36 ScreenMatic	red	Order no. 56736
for BioTec 36 ScreenMatic	blue	Order no. 56737

BioTec ScreenMatic 36		
Dimensions (L x W x H)	[mm]	1200 x 800 x 760
Flow rate max.	[l/h]	23000
Inlet stepped hose adapter	[inch]	2 x 1 to 1 1/2
Outlet	[mm]	100
Number of blue filter sponges		18
Number of red filter sponges		18
Special granulate	[kg]	18.0
Coarse pollutant extraction	[µm]	300
Suitable for ponds with fish stock	[m³]	70
Suitable for ponds to max.	[m³]	140
Weight	[kg]	90
Order no.		57129



Schematic diagram: Module filter ProfiClear installed as »gravity-fed filter system«

Filter systems for clear water dreams

The ProfiClear modular filter systems can be operated in two different ways depending on the local conditions: In accordance with the **gravity-fed principle** or as a **pump-fed system**.

Regardless of the variant for which you decide – **ProfiClear modular filters offer variable implementation** and are based on decades of OASE experience in the field of pond and system technology. This means mature technology of the highest quality.

PROFICLEAR – GRAVITY-FED PRINCIPLE

With the gravity-fed system the filter is recessed into the ground and made level to the water line of the pond. Polluted pond water reaches the first filter module via the bottom drain or a liner transition. Because the pump is not positioned at the beginning of the system, the coarse debris

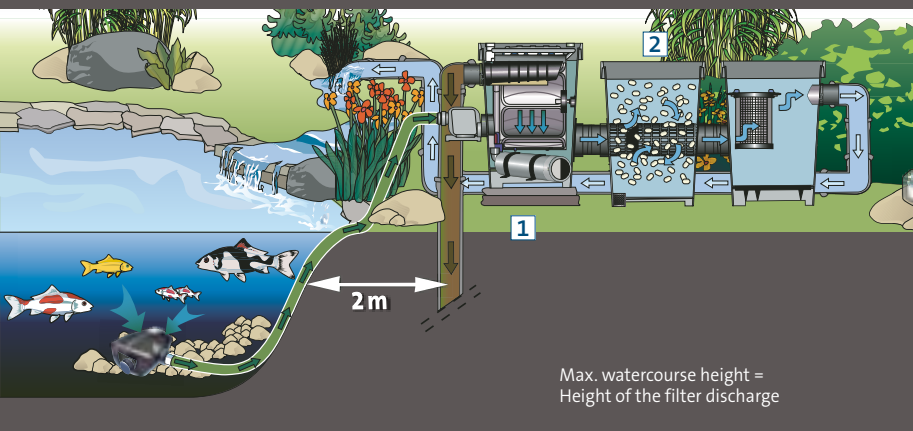
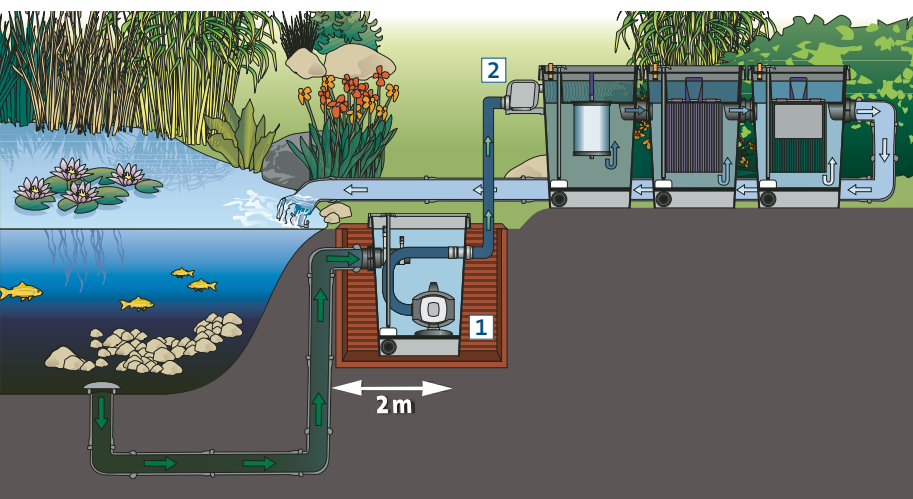
extractor can remove suspended matter in the water very effectively.

The pump is in the pump chamber at the back of the system and conveys the cleaned water back into the pond. Since there are no significant height differentials to overcome, energy-efficient AquaMax Gravity Eco pumps can be used.

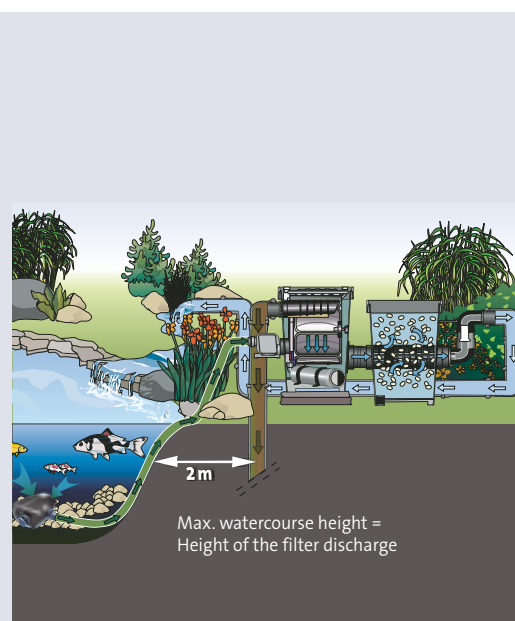


System advantages at a glance:

- Effective removal of suspended matter through exploitation of the gravity-fed principle
- Energy-efficient, as there is virtually no height differential and only minimal friction losses occur
- Can be integrated inconspicuously in the water garden
- UVC devices can be installed downstream or even upstream with the new Bitron Gravity
- Optimally matched to OASE AquaMax Eco filter pumps



Schematic diagram: Module filter ProfiClear installed as »pump-fed system«



With the optional discharge adapter you can operate the ProfiClear Premium in pump-fed setup even without the individual chamber.


PROFICLEAR – PUMP-FED PRINCIPLE

With the pump-fed principle the filter system is installed above ground, and thus it is also above the water level of the pond. The polluted pond water is conveyed out of the pond or out of the levelled pump chamber and into the filter system using a pump. The cleaned water flows back via a freely inclined pipeline, watercourse, or waterfall. In this process the source of the watercourse is not higher than the filter discharge.

System advantages at a glance:

- Can be easily retrofitted to existing ponds
- Minimum installation effort
- Easy upstream installation of UVC devices
- Easy to extend the system
- Optimally matched to OASE AquaMax Eco Premium filter pumps

Accessories (must be ordered separately)

		Bottom drain <ul style="list-style-type: none"> • For secure connection of pond and ProfiClear modules • Is flanged or bonded to liner
Bottom drain BD 100		
Diameter	[mm]	380
Guarantee	[years]	3
Pipe connection		DN 100 (inner diameter 110)
Order no.		37143





Schematic diagram: ProfiClear module filters are outstandingly suited for use on swim ponds

Top 3 product characteristics

- Can be individually matched to the size and the conditions of the pond
- Can be modularly extended if the pond changes
- Can be used as a particularly energy-saving gravity-fed system

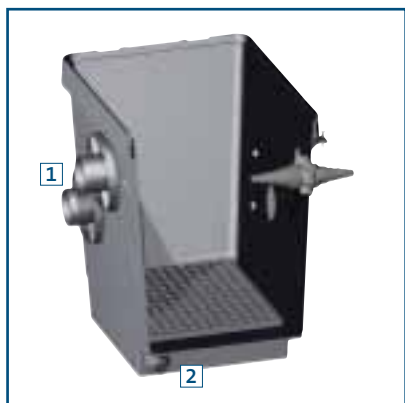
	Fresh Water	Pool Water	Sea Water
ProfiClear Classic			

PROFICLEAR CLASSIC – RELIABLE MODULAR FILTER SYSTEM FOR LARGE BODIES OF WATER

System advantages at a glance:

- Ideal for large ponds and swim ponds
- Modularly extendable filter system for individual adaptation to local conditions
- Individual solutions through the bringing together of different components
- Can be implemented in any size of pond and under any pond conditions
- Can be used as a pump-fed version as well as a particularly energy-saving gravity-fed filter
- Coarse pollutant extraction with automatic cleaning (optional accessory)
- Easy-maintenance cleaning handles and floor drains in each filter chamber
- High-quality and impact resistant GRP and perfect workmanship
- Optimally matched to OASE filter pumps
- Protection against disproportionate algae growth when using the phosphate binder module

PUMP CHAMBER



Whether gravity-fed principle or pump-fed system – the ProfiClear Classic pump chamber ensures the optimal pump position.

- Reduction of pressure losses
 - Safe and standard-conformant setup for swim ponds
 - Easy maintenance and winter care
 - Protection against excessive silt
 - Two inlets **1** incl. regulator for individual adjustment of the inflow
- Any sediment in the tank or accumulated pollutants are flushed out via the floor discharge. **2**

COARSE DEBRIS EXTRACTOR



Enables easy mechanical extraction of solids down to 800 µm.

- Incoming water is fed via two large-surface extraction sieves **1** into the next filter chamber
 - Pulling the slide valve **2** flushes the debris out via a DN 75 discharge
 - Incl. hose coupling for fresh water rinsing
 - The extraction sieves can be quickly cleaned with interior and exterior brushes by operating the cleaning handles **3**
- A pollutant indicator **4** signals when maintenance is required
 - Automatic and regular cleaning is possible via the ProfiClear Screendrive (optional accessory)

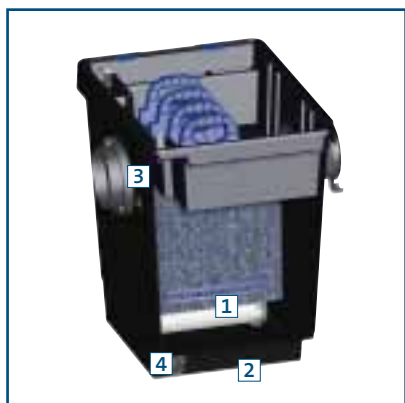
FILTER FOAM MODULE



Reliably removes toxins such as ammonium / ammonia or nitrite.

- Water is channelled through the coarse and fine foams **1** that contain the important filter biology
 - The oxygen necessary for the nitrification processes is supplied via connections on the housing
 - To clean, use the cleaning levers **2** to compress the foams against the intermediate floor
- Pull the slide valve **3** to flush out contaminants via a DN 75 discharge, optionally supported by rinsing via cleaning nozzles
 - Incl. hose coupling for fresh water rinsing


PHOSPHATE BINDER MODULE




Helps convert nitrate into gaseous nitrogen (denitrification) and eliminates phosphates.

- A majority of the water volume is channelled past the filter foam **1**. This establishes the low dissolved oxygen content that is so important for the denitrifying bacteria
 - The lesser portion of the water volume is channelled through the PhosLess inserts **2** (4 units)
 - Binders ensure quick and safe phosphate removal
 - Elimination of these nutrients significantly restricts string algae growth
- Virtually maintenance-free because bypass regulation in the foam prevents clogging
 - A pollutant level indicator **3** signals when maintenance is required
 - Pollutant discharge **4** incl. slide valve
 - Incl. hose coupling for fresh water rinsing

SELECTION TABLE PROFICLEAR CLASSIC

Natural ponds & SwimPonds (without fish stock)		40 m ³	60 m ³	80 m ³	100 m ³	120 m ³	160 m ³	200 m ³
		Coarse debris extractor	Unit	1	1	1	1	2*
Filter foam module	Unit	1	1	2	3	3	4	6
Phosphate binder module	Unit	–	1	1	1	1	2	2
Pump chamber	Unit	1	1	1	1	1	1	1
Bitron 72 W	Unit	1	1	–	–	2	–	–
Bitron 110W	Unit	–	–	1	1	–	2	2
Optional: Bitron Gravity	Unit	1	1	2	2	2	3	4
Pump capacity = pond size / x	Unit	8	8	8	8	8	8	8

* Double-row configuration (the filter system must be operated in two filter rows that are separate from each other) see illustration on page 156. This table considers the usual flow losses within the filter system.

With fish stock (up to 1 kg/1000 l)		20 m ³	30 m ³	40 m ³	50 m ³	60 m ³	80 m ³	100 m ³
		Coarse debris extractor	Unit	1	1	1	1	2*
Filter foam module	Unit	1	1	2	3	3	4	6
Phosphate binder module	Unit	–	1	1	1	1	2	2
Pump chamber	Unit	1	1	1	1	1	1	1
Bitron 72 W	Unit	1	1	–	–	2	–	–
Bitron 110W	Unit	–	–	1	1	–	2	2
Optional: Bitron Gravity	Unit	1	1	2	2	2	3	4
Pump capacity = pond size / x	Unit	4	4	4	4	4	4	4

* Double-row configuration (the filter system must be operated in two filter rows that are separate from each other) see illustration on page 156. This table considers the usual flow losses within the filter system.

All references regarding our Filter / UVC combinations for special pond sizes are based on Mid-European climatic conditions. For other regions they could differ due to the water temperature and sun intensity.

Rules of thumb

How to calculate the correct UVC power for your pond

- Ponds without fish stock: 1 W UVC power per m³ pond volume
- Ponds with fish stock: 2 W UVC power per m³ pond volume
- Ponds with koi stock: 4 W UVC power per m³ pond volume

How to calculate the required flow rate of the filter pump

- AquaMax Eco Premium (page 66) / Gravity Eco (page 76) in l/h:
- Ponds without fish stock: Displacement capacity = pond volume (l): 8
- Ponds with fish stock: Displacement capacity = pond volume (l): 4
- Ponds with koi stock: Displacement capacity = pond volume (l): 2

Note: To keep the bacteria count low in the koi pond, the Bitron Gravity should be operated with a max. flow rate of 12.5 m³/h. In regards recirculation, 55 % of the pond volume per hour should be the main objective. These recommendations are already considered in the table above.

Double-row configuration

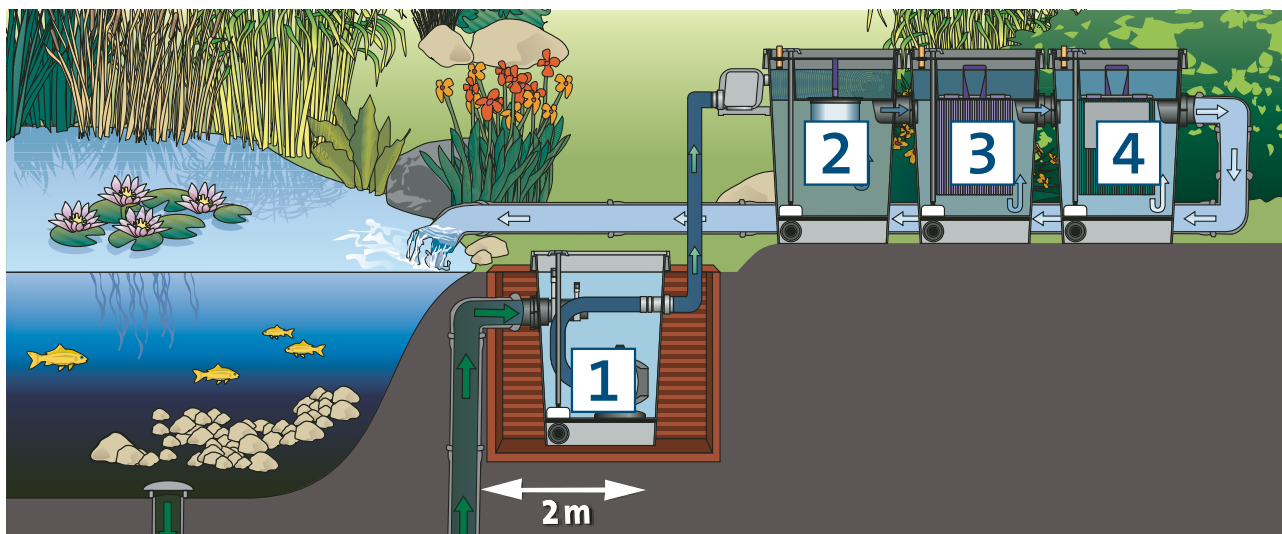
The filter system must be operated in two filter rows that are separate from each other.

Setup – gravity-fed system

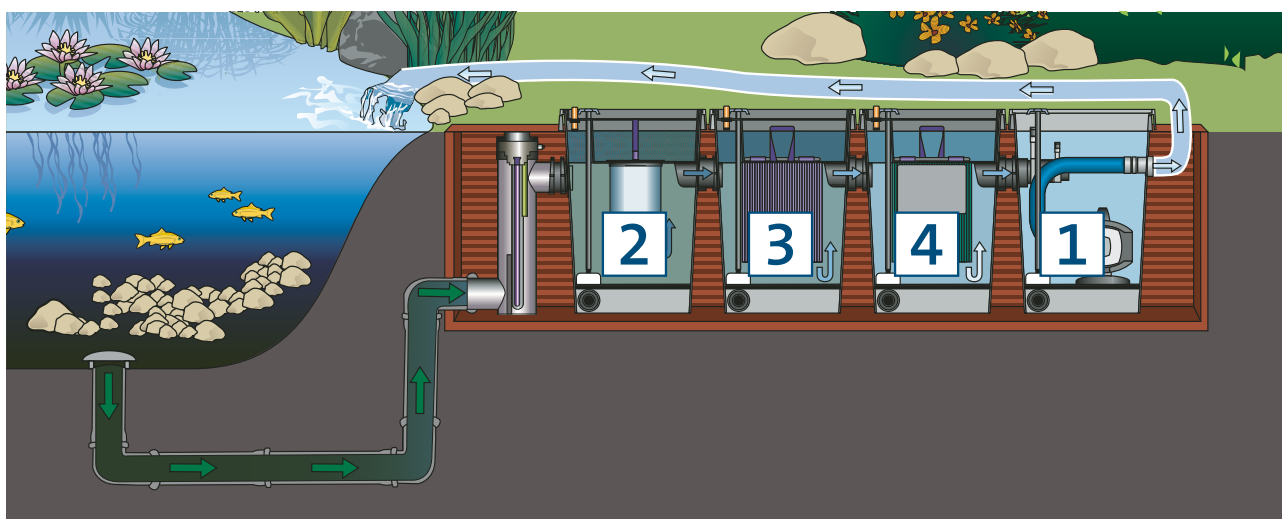


Setup – pump-fed system





MODULE FILTER PROFICLEAR CLASSIC PUMP FED SYSTEM



MODULE FILTER PROFICLEAR CLASSIC GRAVITY-FED SYSTEM

	ProfiClear Classic Pump chamber 1	ProfiClear Classic Coarse debris extractor 2	ProfiClear Classic Filter foam module 3	ProfiClear Classic Phosphate binder module 4
Dimensions (L x W x H) [mm]	800 x 600 x 800	800 x 600 x 800	800 x 600 x 800	800 x 600 x 800
Net weight [kg]	34.4	36.1	40.4	43.4
Guarantee ^G (+ request guarantee) [Years]	2 + 1	2 + 1	2 + 1	2 + 1
Coarse debris extraction [µm]	–	800	–	–
Biological filter surface [m ²]	–	–	90.0	148.0
Special filter granulate [kg]	–	–	–	4.00
Number of blue filter foams [Unit]	–	–	3	–
Number of red filter foams [Unit]	–	–	3	–
Number of black filter foams [Unit]	–	–	–	6
Inlets	2 x DN 100 / DN 150	1 x DN 100 / DN 150 + 2 x 50 mm	1 x DN 100 / DN 150 + 2 x 50 mm	1 x DN 100 / DN 150 + 2 x 50 mm
Outlets	1" – 2" + 1 x 50 mm	1 x DN 100 / DN 150	1 x DN 100 / DN 150	1 x DN 100 / DN 150
Connections, pollutant discharge	DN 70	DN 70	DN 70	DN 70
Pump capacity, max. [l/h]	25000	12500	12500	12500
Rec. flow rate (pumped) [l/h]	–	8000	8000	8000
Rec. flow rate (gravitation) [l/h]	–	6000	6000	6000
Other	Pollutant discharge incl. slide valve	2 sieve elements, pollutant discharge incl. slide valve	Pollutant discharge incl. slide valve	Pollutant discharge incl. slide valve
Order no.	51061	51064	51065	51066



The solution for large koi ponds. Koi pond owners know that what starts as a small pond with a few koi quickly, with increasing passion becomes a larger koi pond installation. With the number of fish and use of the pond, the demands imposed on performance and convenience of the a filter system, naturally increase as well, today no one wants to make any compromises.

The new generation ProfiClear Premium module filter system has been developed jointly in intensive cooperation with leading european koi experts, and with its extremely reliable filter performance, its well thought-out functions, and its unusual price / performance ratio, it sets totally new standards.

It consists of three modules, drum filter module, moving bed module and individual module, the entire system even ensures clear water if the pond is extended by an additional 50m³ or if their is a desire for swimming. The secret is its flexibility; depending on the use of the pond a second Moving Bed module can be connected, and the Individual module can be equipped with additional filter media. In the most uncomplicated way, this increases the overall filter capacity and large bodies of water, such as natural ponds and swim ponds up to 200m³ remain clear.

Discover the versatile functions and convincing advantages of this system; it remains unique in its class!

ProfiClear Premium	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz
Individual Module								
Moving Bed Module								
Drum filter pump-fed								
Drum filter gravity-fed system								



www.oase-livingwater.com/proficlearfilm

PROFICLEAR PREMIUM – SOPHISTICATED FILTER SYSTEM FOR KOI PONDS

System advantages at a glance:

- New generation high-end module filter system for koi ponds and other large bodies of water to 200 m³
- Outstanding filter capacity with intelligent control functions
- Intelligent self-cleaning function for unique maintenance-free operation (drum filter module)
- Highly effective decomposition of pollutants and nutrients, thanks to professional filter media and moving bed process (MovingBed module)

Accessories (must be ordered separately)

Bottom drain	
	<ul style="list-style-type: none"> • For secure connection of pond and ProfiClear modules • Is flanged or bonded to liner
Bottom drain BD 100	
Diameter	[mm] 380
Guarantee	[years] 3
Pipe connection	DN 100 (inner diameter 110)
Order no.	37143

ProfiClear Premium sieve	
	<ul style="list-style-type: none"> • Accessories for the Drum Filter Module • At 150 µm, ensures removal of coarser debris and thus reduces water consumption • Ideal for use on natural ponds or swim ponds
ProfiClear Premium sieve	
Order no.	50947

DRUM FILTER MODULE



Intelligence sets the pace. The intelligent control unit removes coarse debris down 60 µm – i.e. thinner than a hair.

- Maximum filter capacity up to 60 µm and flow-through rates up to 25 m³/h for a crystal clear water
- Automatic self-cleaning offers maximum convenience
- A microcontroller system monitors and controls the main functions, operation is as easy as child's play
- Extensive VDE test certify reliability and safe functions
- Flexible implementation possibilities; can be used as a gravity-fed system, as well as a the pump-fed system
- Stable housing thanks to solid stainless steel elements and dimensionally stable Duroplast
- Easy-to-remove sieve elements and free-wheeling functions for easy access to the drum
- Incomparably quiet through extensive noise damping
- Powerful, high quality pressure pump is integrated for cleaning the drum



Solid stainless steel sieve elements give the drum maximum stability and durability.



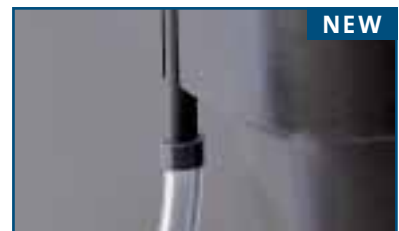
Easy-to-remove sieve elements (also available in 150 µm) and free-wheeling functions enable easy access to the drum.

MOVING BED MODULE



Original Hel-X bio media with optimum media circulation. Original Hel-X bio-media are highly effective at degrading pollutants in the moving bed process.

- Extremely large, protected settlement surface for microorganisms
- Innovative bypass technology for optimal movement of the Hel-X bio-elements even at high flow rates
- Removal of toxins, such as ammonium / ammonia and nitrite
- Aerator bar for optimal oxygen enrichment and circulation already installed
- Advantages of the moving bed process: Permanent, optimal oxygen supply; self-cleaning effect from dead biomass, knowhow from industrial water treatment
- Pollutant discharge with high-quality DN 75 slide valve
- 50 l of Hel-X decomposes approx 300 g of fish food per day (can be extended to 75 l / module)



Integrated aerator can be connected to AquaOxy aerator pumps.



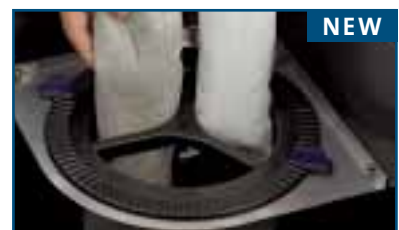
Biological surface for settlement of the microorganisms (left bio-media that has not yet been used, right with settled microorganisms).

INDIVIDUAL MODULE

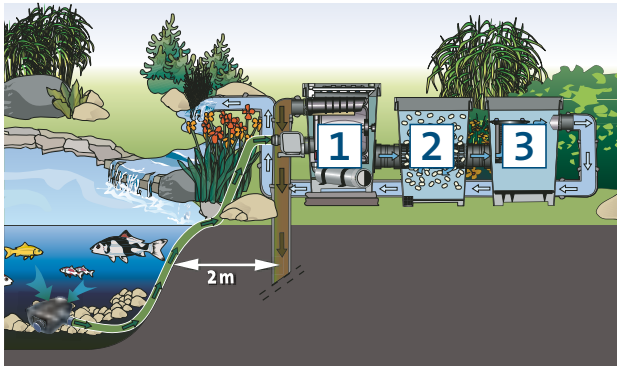


Flexible for maximum effectiveness. The filter system is flexibly aligned to the individual conditions of the body of water.

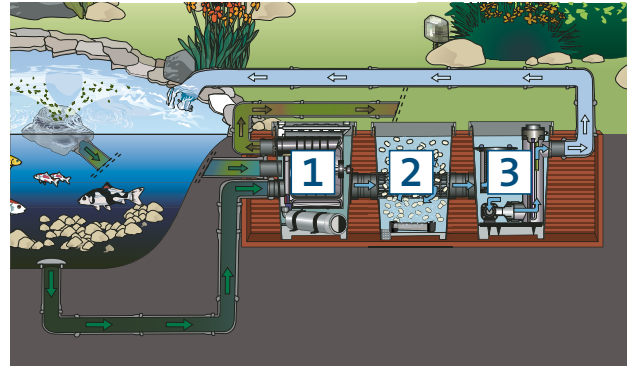
- To increase filter capacity, space-saving integration of: AquaMax Gravity filter pumps and Bitron Gravity UVC clarifiers
- Convenient filling of the 2 individual baskets in the flow area with up to 8 litres fill volume
- Integrated sludge drain with high-quality, finely engineered slide valve



Convenient filling of the 2 individual baskets with up to 8 litres fill volume.



MODULE FILTER PROFICLEAR PREMIUM PUMP FED SYSTEM



MODULE FILTER PROFICLEAR PREMIUM GRAVITY-FED SYSTEM

SELECTION TABLE PROFICLEAR PREMIUM

Natural ponds & SwimPonds (without fish stock)		Unit	Pond Size (m³)							
			40	60	80	100	120	160	200	
Drum filter module		Unit	1	1	1	1	1	1	1	1
Moving Bed filter module		Unit	1	1	1	1	2	2	2	2
Individual module		Unit	1	1	1	1	1	1	1	1
Bitron 72 W (pump-fed system)		Unit	1	1	–	–	2	–	–	–
Bitron 110 W (pump-fed system)		Unit	–	–	1	1	–	2	2	2
Bitron Gravity (gravity-fed system)		Unit	1	1	1	1	2	2	2	2
AquaMax Gravity Eco 10000		Unit	1	1	–	–	2	–	–	–
AquaMax Gravity Eco 15000		Unit	–	–	1	1	–	2	–	–
AquaMax Gravity Eco 20000		Unit	–	–	–	–	2	–	2	2
Pump capacity = pond size / x		Unit	8	8	8	8	8	8	8	8

This table takes into account the usual flow losses within the filter system.

With fish stock (up to 1 kg/1000 l)		Unit	Pond Size (m³)							
			20	30	40	50	60	80	100	
Drum filter module		Unit	1	1	1	1	1	1	1	1
Moving Bed filter module		Unit	1	1	1	1	2	2	2	2
Individual module		Unit	1	1	1	1	1	1	1	1
Bitron 72 W (pump-fed system)		Unit	1	1	–	–	2	–	–	–
Bitron 110 W (pump-fed system)		Unit	–	–	1	1	–	2	2	2
Bitron Gravity (gravity-fed system)		Unit	1	1	1	1	2	2	2	2
AquaMax Gravity Eco 10000		Unit	1	1	–	–	2	–	–	–
AquaMax Gravity Eco 15000		Unit	–	–	1	1	–	2	–	–
AquaMax Gravity Eco 20000		Unit	–	–	–	–	2	–	2	2
Pump capacity = pond size / x		Unit	4	4	4	4	4	4	4	4

This table takes into account the usual flow losses within the filter system.

Koi ponds (up to 3 kg/1000 l)		Unit	Pond Size (m³)						
			15	20	25	45	60	70	90
Drum filter module		Unit	1	1	1	1	2*	2*	2*
Moving Bed filter module		Unit	1	1	1	2	3	3	4
Individual module		Unit	1	1	1	1	2	2	2
Bitron 110 W (pump-fed system)		Unit	1	1	2	2	3	4	4
Bitron Gravity (gravity-fed system)		Unit	1	1	2	2	3	4	4
AquaMax Gravity Eco 10000		Unit	1	–	2	–	–	4	–
AquaMax Gravity Eco 15000		Unit	–	1	–	2	3	–	4
Pump capacity = pond size / x		Unit	1.5	1.5	1.5	1.5	1.5	1.5	1.5

* Double-row configuration (the filter system must be operated in two filter rows that are separate from each other) see illustration on page 156. This table considers the usual flow losses within the filter system and expert recommendations for sterilisation capacity in koi ponds.

All references regarding our Filter / UVC combinations for special pond sizes are based on Mid-European climatic conditions. For other regions they could differ due to the water temperature and sun intensity.

		ProfiClear Premium Drum filter pump-fed 1	ProfiClear Premium Drum filter gravity-fed system 1
Dimensions (L x W x H)	[mm]	830 x 600 x 820	
Rated voltage	[V/Hz]	230/50	
Power consumption	[W]	5	
Power consumption cleaning	[W]	1090	
Cable length	[m]	2.00 + 5.00	
Net weight	[kg]	80.00	
Control unit		Microcontroller	
Temperature display		Yes	
Coarse debris extraction	[µm]	60	
Number of nozzles / rinse quantity	[l/min]	4 x 2.5	
Flush pump	[bar]	Ebara 6	
Flush automation		Sensor, time interval, manual	
Drum diameter	[mm]	516	
Drum width	[mm]	370	
Number of sieve elements	[Unit]	8	
Filter intake surface	[cm²]	4200	
Material		GRP Duroplast / stainless steel	
Number of inlets	[Unit]	2	3 + 1 (optional)
Connections, inlet		2"	DN 110
Number of outlets	[Unit]	2	
Connections, outlet		DN 150 (OASE system)	
Connections, pollutant discharge		DN 75, DN 110	
Connection to		Bitron UVC	Bitron Gravity
Pump capacity, max.	[l/h]	25000	
Install height above the water level	[cm]	40	13
Possible water level difference	[cm]	5	
Type of use		Pump fed system	Gravity fed system
Other		Pollutant discharge incl. slide valve	
Order no. (GB-Version)		50774	50776
Order no.		50773	50775

		OASE ProfiClear Premium Moving Bed Module 2	OASE ProfiClear Premium Individual Module 3
Dimensions (L x W x H)	[mm]	830 x 600 x 820	830 x 600 x 820
Net weight	[kg]	50.00	42.00
Biological filter surface	[m²]	43.0	–
Biolog. filter surface protected	[m²]	35.5	–
Individual granulate filter		–	2 x 8 Liter
Number of sieve elements	[Unit]	–	2
Material		GRP	GRP Duroplast / stainless steel
Number of inlets	[Unit]	2	2
Connections, inlet		DN 150 (OASE System)	DN 150 (OASE System)
Number of outlets	[Unit]	2	2
Connections, outlet		DN 150	2", DN 110
Connections, pollutant discharge		DN 75	DN 75
Litres per hour, min.	[l/h]	10000	10000
Max. flow rate	[l/h]	25000	25000
Connection to		AquaOxy CWS 2000–4800	Bitron Gravity, AquaMax Gravity Eco
Install height above the water level	[cm]	13	13
Type of use		Pump fed system, gravity-fed system	Pump fed system, gravity-fed system
Other		Aeration pre-installed, pollutant discharge incl. slide valve	Pollutant discharge incl. slide valve
Order no.		50772	50771



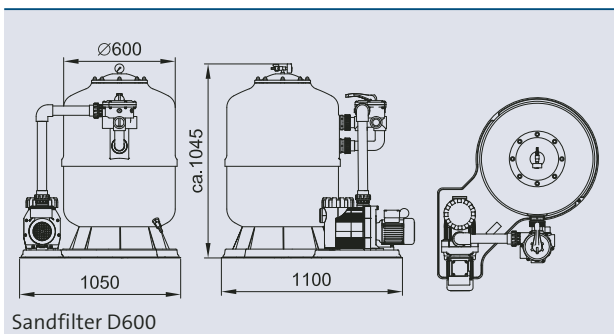
	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz
Sandfilter D 600	✓	✓	✓	✓	✓	✓	✓	✓
Sandfilter D 800	✓	✓	✓	✓	✓	✓	✓	✓
Backwash Automatic Eurotronik	✓	✓	✓	✓	✓	✓	✓	✓

SANDFILTER D600 / D800

Efficient water filtration significantly extends the interval between necessary cleaning tasks in spray fountains, ponds, and other systems.

Product characteristics at a glance

- Efficient, mechanical water filtration
- Extends the cleaning interval
- Environmentally-friendly mechanical filtration
- Pre-assembled, easy-to install unit comprised of filter, pump, and multi-port valve
- Easy to clean



Sandfilter D600



Sandfilter D600

Accessories (must be ordered separately)

NEW



Backwash Automatic Eurotronik

- For automatic backwash on

Backwash Automatic Eurotronik

Connect cable on D 600 or D 800

Dimensions (LxWxH)	[mm]	245 x 140 x 95
Power Supply	[V/Hz]	230/50
Power consumption of the controller	[VA]	approx. 10
Breaking capacity	[kW]	max. 1.1
Motor-operated valve	[V]	230
Order no.		55351

Crystal quartz sand 25 kg sack

Grain	0.4 – 0.8 mm
Order no.	53428

AFM filter medium 25 kg sack

The activated filter material comes with catalytic and oxidizing characteristics. Resists biofilm accumulation and enhances the service interval.	
Grain	0.5 – 1.0 mm
Order no.	50433

The crystal quartz sand filter should be operated independently of and parallel to actual spray fountain and circulation technology. The filter can work during fountain operation, in periods when the fountain is not operating, or it can even work around the clock.

The filter system consists of a container made of fibre-glass reinforced plastic and a pump and a multi-port valve. Everything is compact and pre-mounted on a plastic pallet. The fill opening of the

filter tank is sealed with a cover and an integrated manometer. The tank can be filled with crystal quartz sand or AFM filter medium and contaminated water is suctioned in by the pump. In the filter the water is forced through the filter material via an upper distributor with sieve and then it is fed back into the pool through a lower distributor with small open-seam pipe. If the filter capacity is exhausted the filter is simply rinsed in reverse and the debris is discharged via the wastewater channel.

Table with guide values for filter runtime control / maximum pool water contents at filter runtimes of:

Sandfilter		D 600	D 800
At low contamination level			
Recirculations / day		2	2
9 hours / day	[m ³]	50	120
15 hours / day	[m ³]	70	200
24 hours / day	[m ³]	120	300
At medium level of contamination			
Recirculations / day		4	4
9 hours / day	[m ³]	30	60
15 hours / day	[m ³]	45	100
24 hours / day	[m ³]	60	150
At high level of contamination			
Recirculations / day		6	6
9 hours / day	[m ³]	20	40
15 hours / day	[m ³]	35	60
24 hours / day	[m ³]	50	100

Sandfilter		D 600	D 800
Dimensions (LxWxH)	[mm]	1000 x 870 x 1100	1000 x 1000 x 1250
Filter tank with base & lid			
Filter tank diameter	[mm]	630	830
Filter surface	[m ²]	0.28	0.50
Recirculation capacity at 8 m wc	[m ³ /h]	13	25
Filter speed at 8 m wc	[m/h]	50	50
Reverse rinse speed	[m/h]	50	50
Reverse rinse duration	[min.]	ca. 2 – 4	ca. 2 – 4
Water requirement per reverse rinse	[l]	approx. 650 in 3 min.	approx. 1250 in 3 min.
Grain of the filter material	[mm]	0.4 – 1.0	0.4 – 1.0
Quantity of the filter material	[kg]	approx. 125	approx. 325
Max. operating temperature	[°C]	40	40
Max. operating pressure	[bar]	2.5	2.5
Suction line connection	[inch]	2	2
Pressure line connection	[inch]	1 ½	2
Back wash connection	[inch]	1 ½	2
Nominal motor power	[kW]	0.65	1.3
Motor power consumption	[kW]	0.97	1.85
Nominal motor voltage	[V/Hz]	230/50	230/50
Nominal motor current	[A]	4.7	8.3
Motor protection class		IP x 4	IP x 4
Weight without sand	[kg]	40.0	72.0
Filter tank material		GFK (Polyester)	GFK (Polyester)
Pump material		PP TV 20/PP TV 40	PP GF 30/PP TV 40
Order no.		50431	50432



	Fresh Water	Pool Water	Sea Water
Wall Skimmer			

WALL SKIMMER

OASE stainless steel skimmers serve to suck in dirt particles floating on the water surface.

They are built into the side wall of the basin and connected to the suction pipe of the filter pump. Inside the large volume, stainless steel skimmer housing is a suction port, masking frame and dirt strainer basket with a floating flap. Masking frame, dirt strainer basket with floating flap form a compact unit. For discharge

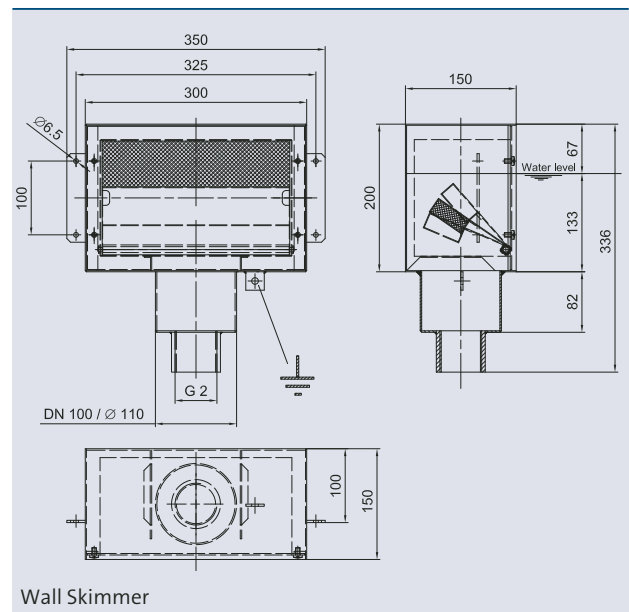
of collected dirt particles this unit can be easily taken out from the front side.

Product characteristics at a glance

- Skimmer housing made of high-grade steel
- High performance of dirt straining
- Dirt strainer basket easily to be taken out



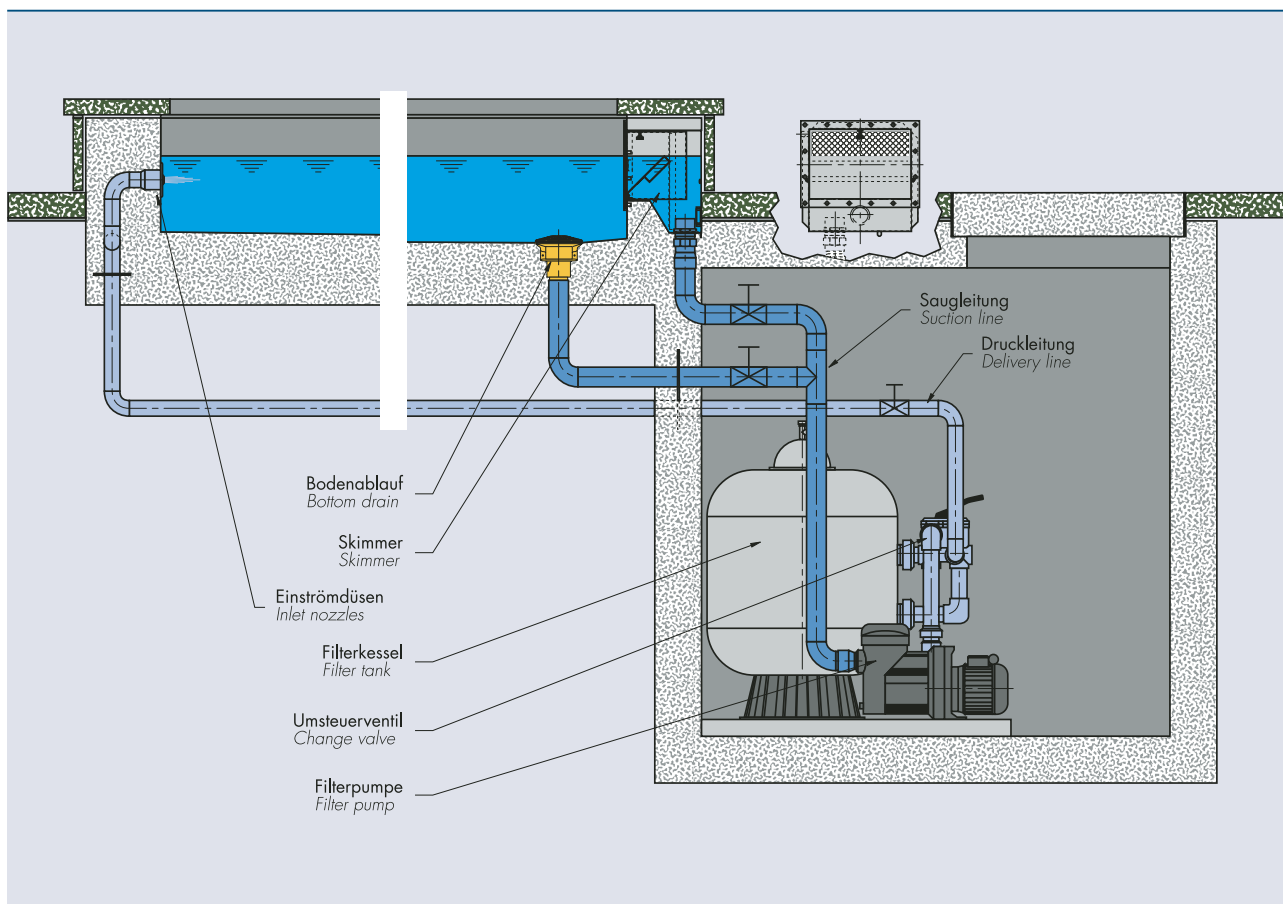
Wall Skimmer



Wall Skimmer

The floating flap is moving and adapts to the varying water level. It is provided to break the tension of water surface and increase the suction velocity of the skimmer inlet. Due to the increased suction

velocity the floating dirt is sucked into the strainer basket more efficiently and stored inside for discharge. The skimmer housing has got a suction port from beneath.



Accessories (must be ordered separately)

Concrete part 100 T (see page 184)	57467
Debris sieve 100 E (see page 184)	51974
Concrete part 70 T (see page 184)	57471
Debris sieve 70 E (see page 184)	51973
Inflow nozzle 15 E (see page 190)	53086
Floor/wall transition 15-175 E (see page 190)	51142
Suction filter basket 200/100/15 E (see page 194)	51082



Wall Skimmer

Wall Skimmer		
Dimensions (L x W x H)	[mm]	350 x 150 x 336
Connection	[DN/inch]	100/2
Material		stainless steel
Weight	[kg]	5.10
Order no.		54921



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz
Clear Fountain System	✓	✓	✓	✓	✓	✓	✓	✓
Sonde Ph	✓	✓	✓	✓	✓	✓	✓	✓
Sonde Redox	✓	✓	✓	✓	✓	✓	✓	✓
Buffer solution calibration set	✓	✓	✓	✓	✓	✓	✓	✓

CLEAR FOUNTAIN SYSTEM AND WATER TREATMENT

Spray fountain technology requires optimal water conditions: Ideal pH value, no algae and no germs are the basic prerequisites. We use proven means to achieve this end. OASE has developed a special product range of dosing equipment and accessories for trouble-free treatment.

CLEAR FOUNTAIN SYSTEM

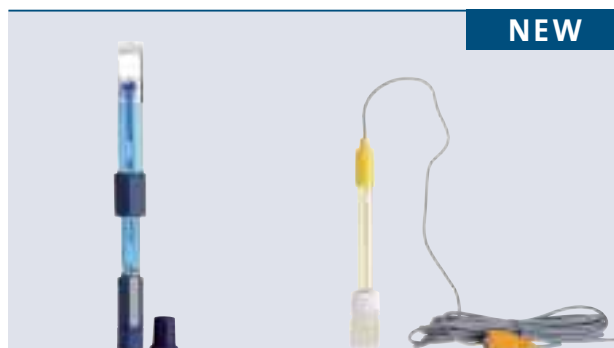
- Simple, reliable system in industrial casing with dosing pumps and control instruments.
- Password protected programming with user-friendly display and console.
- Proportional dosing via frequency modulation.



Clear Fountain System

Product characteristics at a glance

- Hygienically, visually, and technically clean water
- Perfectly matched system components
- High-quality components from a single source
- Easy to handle



NEW

Sonde Ph

Order no.

51034

Sonde Redox

Order no.

51035

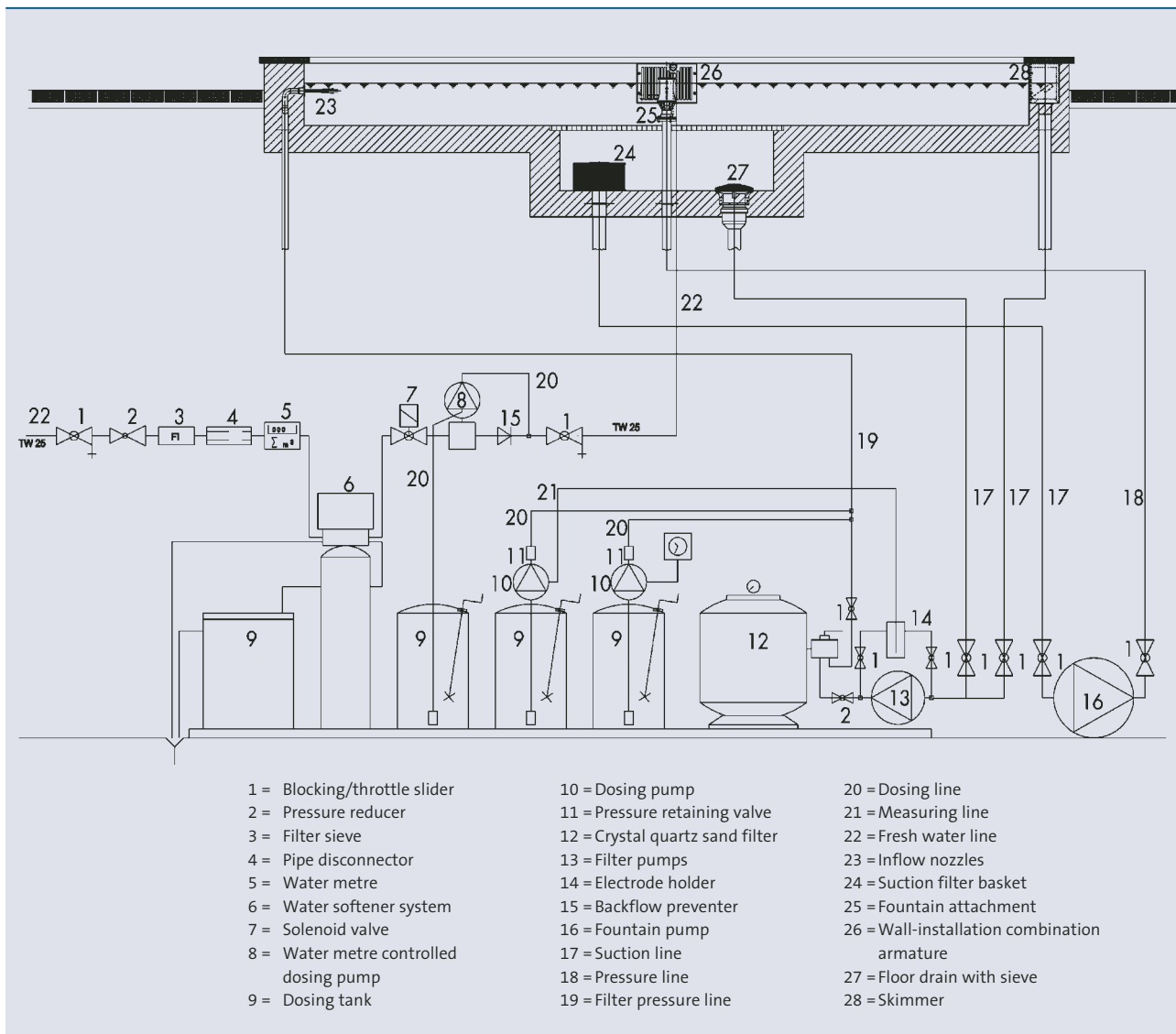


NEW

Buffer solution calibration set

Order no.

51036



	Clear Fountain System	OxyPool	ASS 100 *
Dimensions (LxWxH) [mm]	900 x 300 x 500	260 x 300 x 400	200 x 200 x 400
Agent	compact dosing station	Hydrogen peroxide 9.9% with silver ions	Ammonium chloride
Voltage [V/Hz]	100-240/50-60	-	-
Power consumption [W]	56	-	-
Litre	-	20.0	10.0
Weight [kg]	16.0	25.0	12.0
Order no.	50434	51062	51093

* Utilise algicides safely. Always read the instructions and identifications before applying algicides.



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz
Clear Lake System CLS 250	✓	✓	✓	✓	✓	✓	✓	✓
Clear Lake System CLS 500	✓	✓	✓	✓	✓	✓	✓	✓
Clear Lake System CLS 5000	✓	✓	✓	✓	✓	✓	✓	✓
Clear Lake System CLS 20000	✓	✓	✓	✓	✓	✓	✓	✓

CLEAR LAKE SYSTEM 250/500/5000/20000

Clear Lake System stands for cost-efficient, safe and resource-conserving water treatment, which was developed for application in natural and near natural water bodies.

A concentrated mixture of gas, called Di-Oxylyd, is produced from softened drinking water and salt. This gas destroys algae, kills bacteria and viruses, and thereby cleans and clears the water.

It is also applicable in private and public ponds and lakes, fish breeding plants, fountain systems and zoological and architectural water bodies and lakes.

The system consists of

- Softener
- Storage tank for the regeneration salt
- Power unit (except for CLS 250 and 500)
- Electronic steering
- Membrane-electrolysis
- Special-ventilation for hydrogen-gas (except for CLS 250 and 500)
- Venturi injection unit (Bypass)

Product characteristics at a glance

- Temperature controlled power units
- Control unit
- Display of the power output
- Potential free contact for external failure indicator
- Regulation of the cell-power 5% – 100%
- Automatic AirControl with emergency off (except for CLS 250 and 500)
- Special-ventilation for the hydrogen-gas (except for CLS 250 and 500)
- Electrolysis cells with titan-electrodes
- Low operation costs
- Compact design

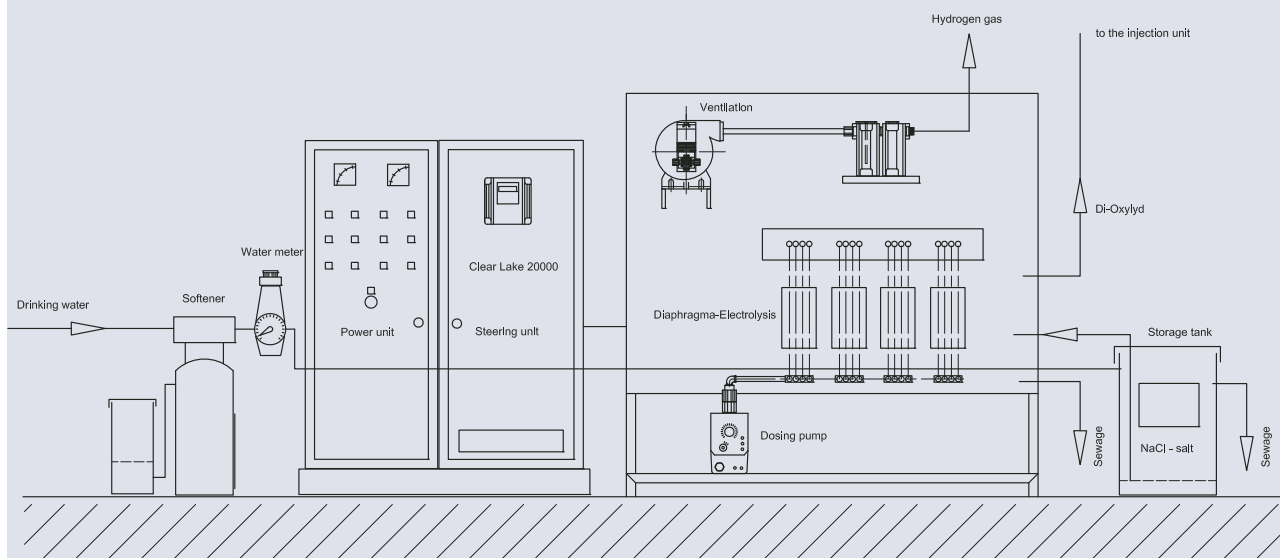
Options (on request)

- Individual measurement and control technology
- Filtration systems

All Clear Lake Systems can be used in multiples!

Schematic setup

Example: CLS 20000



Clear Lake System softener

- Low-maintenance
- Regenerative
- Tap for soft water testing
- Performance-related magnetic valve
- Pressure reducer with manoscope and strainer



Example of use:

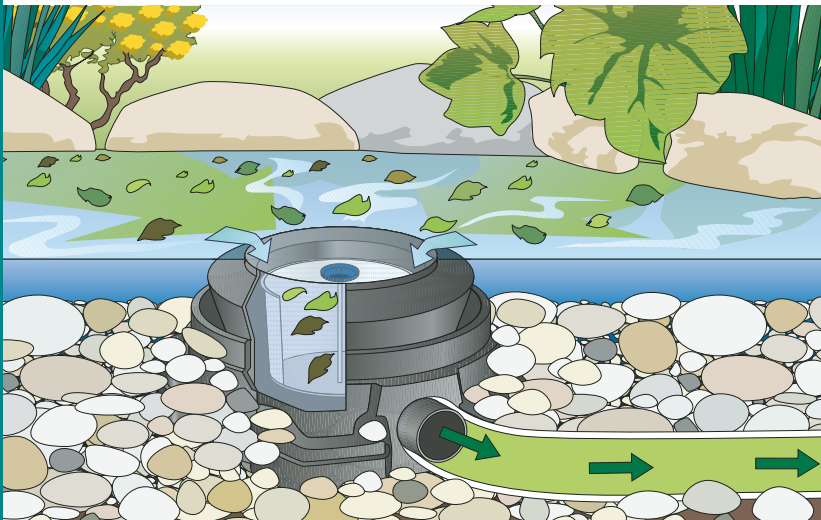
CLS 500



Display

Storage tank for the regeneration salt		CLS 250	CLS 500	CLS 5000	CLS 20000
Storage tank for the brine	[litre]	100	100	500	500
Brine-dosing pump	[l/h]	1.1 at 16 bar	1.1 at 16 bar	12.3 at 4 bar	32 at 2 bar
Dimensions	[mm]	(L x W x H) 300 x 400 x 800	(L x W x H) 300 x 400 x 800	(ø x H) 380 x 860	(ø x H) 490 x 870

Clear Lake System		CLS 250	CLS 500	CLS 5000	CLS 20000
Power supply unit	[A/V]	20/5.5	40/5.5	500	500
Control by the measurement system	[mA]	0 – 20	0 – 20	0 – 20	0 – 20
Impulse entrance max.	[Imp./min]	120	120	120	120
Electrical power input max.	[kVA]	0.2	0.3	4	16
Voltage	[V/Hz]	230/50	230/50	400/50	400/50
Salt consumption of electrolysis cell	[kg/h]	0 – 0.125	0 – 0.25	0 – 1.0	0 – 4.0
Fresh water supply max.	[l/h]	10 – 30	20 – 60	180 – 500	500 – 2000
Produced amount of Di-Oxylyd max.	[l/h]	25	50	500	2000
3% of caustic soda solution (liquid waste)	[l/h]	1.5	3	12	48
Conditioning of water volumes up to	[cbm]	250	500	5000	20000
Total weight (incl. storage tank) ca.	[kg]	25	40	380	750
Dimensions CLS (W x H x D)	[mm]	1000 x 800 x 300	1000 x 800 x 300	1600 x 1900 x 500	800 x 1900 x 500
Dimensions of the softener (ø x H)	[mm]	integrated	integrated	185 x 1180	210 x 1345
Mounting plate of electrolysis cells (W x H x T)	[mm]	–	–	–	2400 x 2000 x 650
Order no.		58960	58960	58960	58960



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz
ProfiSkim 100								

PROFISKIM 100

Leaves, and particles deposited on the water surface by wind are a risk to the biological equilibrium in a body of water. OASE skimmers powerfully and effectively pull these pollutant particles off of the surface and into the collection basket. Thus pollutants can be removed from the eco system of the body of water before they harm the eco system.

ProfiSkim 100 for water surface cleaning spares you the bothersome task of mechanically cleaning surface pollutants. This stationary skimmer is impressive with an easy-to-operate cleaning unit and generously dimensioned 12-litre collection basket.

Product characteristics at a glance

- Function-optimised float ring for improved performance
- Large cross section enables 10000 to 12000* l/h water flow in gravitation systems and 10000 to 30000 l/h for pumped systems
- Ideal in conjunction with an AquaMax Eco 16000

* Limited through DN100 pipe connection

Self-adjusting weir

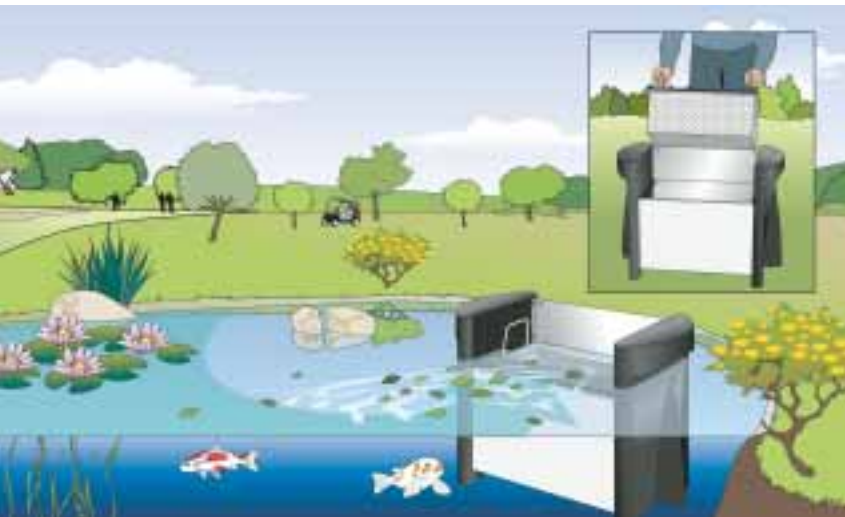
Strainer basket with built-in cleaning mechanism

Skimmer base



ProfiSkim 100

ProfiSkim 100		
Pedestal footprint (L x W)	[mm]	780 x 585
Height min.	[mm]	350
Height max.	[mm]	530
Installation depth max.	[mm]	530
Connection	[DN]	100
Pipe reduction	[inch]	2
Recommended flow rate (Gravitation)	[l/h]	10000 – 12000
Recommended flow rate (pumped)	[l/h]	10000 – 30000
Filter basket volume	[l]	12.0
Max. pond surface	[m²]	80
Weight	[kg]	13.5
Order no.		57134



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz
Skimmer 250								
Skimmer 250 A								

SKIMMER 250 / 250A

Skimmer 250 is a high-performance floating skimmer that keeps up to 250 m² of surface water clean. The floating skimmer is particularly

well suited for bodies of water with significant water level fluctuation, and it can be flexibly implemented where pollutants accumulate.



Skimmer 250

Product characteristics at a glance

- More stability thanks to foamed-out drive body
- Ideal water level adjustment through float design
- 52 cm wide skimmer flap for optimum skimmer performance
- Integrated pump
- Extremely long service life due to canned motor technology without seals that are subject to wear
- 27-litre stainless steel pollutant collection basket
- High-quality workmanship with stainless steel components

Skimmer		250		250 A	
Dimensions (L x W x H)	[mm]	775 x 400 x 590	Dimensions (L x W x H)	[inch]	30.5 x 18.8 x 23.2
Skimmer opening width	[mm]	520	Skimmer opening width	[inch]	20.5
Basket size (L x W x H)	[mm]	510 x 310 x 190	Basket size (L x W x H)	[inch]	700 / 5.8
Filter basket volume	[l]	27.0	Filter basket volume	[gal]	7.1
Rated voltage	[V/Hz]	220 - 240 / 50	Rated voltage	[V/Hz]	110 - 120 / 60
Power consumption (pump)	[W]	250	Power consumption (pump)	[W/A]	300 / 2.7
Litres per minute max.	[l/min]	250	Litres per minute max.	[gal/min]	66
Litres per hour max.	[l/h]	15000	Litres per hour max.	[gal/h]	3700
Pressure-side connection	[m]	1 1/2"	Pressure-side connection	[inch]	1½
Filter surface	[cm ²]	4500	Filter surface	[sq/ft.]	4.8
Suitable for ponds up to	[m ²]	250	Suitable for ponds up to	[sq/lbs.]	2690
Minimum water depth	[mm]	650	Minimum water depth	[inch]	2.6
Weight	[kg]	27.0	Weight	[lbs.]	64
Cable length	[m]	10.0	Cable length	[ft.]	7.5
Order no.		57480			57488



AQUAACTIV

Rediscover the successful AquaActiv pond care series, now the whole concept has been cleverly optimised, extended and put together in a manner that makes sense for you. With our years of experience and the help of acknowledged experts we have developed innovative products.



PHOSLESS



BIOKICK CWS



OPTIPOND



SEDI FREE



ALGO DIRECT



ALGO UNIVERSAL



POND CLEAR



WATER ANALYSIS
PROFI-SET



AquaActiv – mode of operation

The sensitive pond biology is frequently burdened through excessive fish stock, rainfall, excessive sunlight or leaves. The consequences are poor water values, excessive algae and

silt formation or even fish disease. AquaActiv is effective at precisely these points and restores the biological balance in the pond, to provide a basis for a sustainably healthy pond.

AquaActiv	PhosLess Algae protection refill pack	BioKick CWS Starter bacteria for pond filters	OptiPond For optimal water conditions	SediFree Pond silt remover
Container size	15 x 2 bags 1 l	2 l	5 l	5 l
Suitable for ponds up to max. m ³	40.0	100.0	50.0	100.0
Suitable for ponds with fish stock m ³	10.0			
Description	<ul style="list-style-type: none"> • 15 x 2 1 l bags PhosLess CA and PhosLess FS • Suitable for use in larger bodies of water • Replacement medium for PhosLess filter media tubes • Can also be directly applied in moving water • Ideal in ProfiClear Premium 	<ul style="list-style-type: none"> • The bacterial activity in the filter works at 100%, even after just a few days • Detoxification of nitrite, ammonium, and ammonia starts immediately • Well-suited for post-dosing if some of the water is changed or when cleaning the filter! • Contains millions of active microorganisms 	<ul style="list-style-type: none"> • Treats soft well water or rain water • Increases the carbonate hardness in exhausted water • Stabilises the most important parameters • Binds ammonium & ammonia • Prevents dangerous drops in acidity • Contains vital minerals and trace elements • Ideal after heavy rainfall • Product is marked »irritant«! 	<ul style="list-style-type: none"> • Transformation of organic silt via special high-performance bacteria • Gentle cleaning without refilling the pond or dredging, etc. • Focused prevention of silt, long-term turbidity, and algal bloom • Granulate with active oxygen sinks into the silt and oxidises it. Subsequent rapid decomposition of the silt through special bacteria • Product is marked »irritant«!
Order no.	57477	50562	50558	50561

AquaActiv	AlGo Direct String algae control with contact effect	AlGo Universal Universal algae control	PondClear For crystal clear pond water	Water Analysis Profi-Set
Container size	5 l	5 l	5 l	
Suitable for ponds up to max. m ³	100	100	50.0	
Description	<ul style="list-style-type: none"> • Particularly for local and fast treatment of string algae, e.g. in watercourses • Works through direct contact • Microorganisms decompose dead algae • Includes pH/GH quick test • Active ingredient decomposes to oxygen and water within a short time, consequently use in swim ponds is possible • Effective without controversial copper additives • Product is marked »harmful to health« 	<ul style="list-style-type: none"> • Safely effective against the most frequently occurring algae types, string algae, suspended algae, and slime algae • Inhibits photosynthesis of the algae; algae starves • Effective without controversial copper additives • Harmless for plants and animals when used properly • Specifically effective against duckweed • Prevents further algae growth 	<ul style="list-style-type: none"> • Binds mineral substances that cause cloudiness • Binds organic substances from fish waste or leaves that cause cloudiness • Effective against fine, non-filterable pollutants such as phosphates and heavy metal combinations • Accumulated flocculated material can be easily skimmed off with a net • Not suitable for algae control 	<ul style="list-style-type: none"> • Professional drop solutions for precise readings of all important pond parameters • Phosphate test incl. shelf life check solution • Incl. measurement accessories, colour charts, and useful application instructions • Delivered in a modern plastic case
Use algacides safely! Always read the label and product information before use!				
Order no.	Not available in GB! 50549	Not available in GB! 50545	50555	50571



SWIM PONDS

PROFIT FROM THE CURRENT WELLNESS TREND AND MAKE YOUR DREAMS COME TRUE. WITH THE SWIM POND CONCEPTS FROM OASE.

A private swimming pond in the garden – pure wellness and the dream of many garden owners. A dream that can come true thanks to the swim pond concepts from OASE. All of our experience with gardens, pond construction, water quality, and pond technology come together in this area and enable us to offer mature, complete packages. Our SwimPonds offer the right concept for every taste, all requirements, and not least for any budget:

- The SwimPond Set module is particularly well-suited as basic or entry level model, even for do-it-yourself installation.
- SwimPond individual is the name of the exclusive solution for a personal wellness temple on difficult terrain, or for demanding customers with very individual tastes.



• Care and treatment	page 176
• SwimPond individual	page 178

THE SWIMPOND IN FOUR SEASONS – CARE AND MAINTENANCE – WHAT MUST BE DONE?

Seasonal cycles and life cycles of the pond biology

Owning a swimpond means experiencing nature firsthand.

As the seasons change the form of the pond also changes and so do its needs. External influences such as weathering and vegetation ensure that numerous parameters in the pond are subject to natural fluctuations – e.g. nutrient content, temperature as well as the kind and quantity of creatures.

For example, algae are part of the nutrient pyramid and are present in every natural as well as nearly-natural body of water. Moreover a pond also changes from year to year and passes through different natural phases.

A newly created pond needs time to develop the necessary pond biology, so that the biological-mechanical filtration can achieve its full effect. In addition a swimpond in the course of its development is subject to vegetational change so that depending on location plants and pond inhabitants also change over the course of time. With these constant development processes increased string algae can also be a frequent occurrence. Likewise a certain amount of sedimentation is unavoidable in the course of pond development.

However the OASE concept is based on maintaining the pebble filter surfaces for as long as possible and to work with low levels of sedimentation.

String algae will also occur - however this is sign of good water quality. In this case the important thing is to reduce the phosphate content.

Pond construction

The cornerstone for a functioning swimpond ecosystem is laid when the pond is constructed. Clean and professional work helps to keep subsequent maintenance effort to a minimum. Consequently strictly follow the instructions in the swimpond construction manual.

Care measures

1. Silt: The OASE swimpond concept is to keep sediment to a minimum. Nevertheless deposits form on the pond floor and they must be vacuumed out at the latest when deposits are 2-3 cm deep, to prevent anaerobic putrefaction. Naturally you can also vacuum out these deposits more frequently for visual reasons. The OASE PondoVac 4 is particularly well-suited in this regard.

2. Leaves: Falling leaves mean nutrient input, and thus an additional burden for the swimpond ecosystem. Always ensure that your pond is protected from leaves, e.g. through leaf nets or appropriate landscaping of the area around the swimpond. In autumn empty the skimmer's collection basket on a regular basis.

3. Algae: There is no natural body of water that does not have algae – algae only become a problem if there is excessive development.

The following are suitable reduction measures:

- Mechanical removal and vacuuming
- Biological/chemical control through the use of pond care agents (e.g. string algae control through hydrogen peroxide)
- Introduction of nutrient competition through microorganism or cutting back water plants, particularly water lilies.



4. Planting: Plants absorb nutrients – consequently trim your plants before they store their nutrients in the pond near the end of the vegetation period.

5. Water quality: Have your pond water analysed on a regular basis, so that you can react as quickly as possible to changes in the water values. The Water Test LM from OASE is extremely well-suited for this purpose. For example high phosphate content is a nutrient medium for string algae and can be reduced through the use of PhosLess LM.

6. Edges/seal: Always ensure that the capillary barrier is intact, particularly with regard to plants that can grow over it. In addition indirect

nutrient sources such as rain water represent a burden for the pond system. Surface water or runoff water absorbs the nutrients and carries them into the pond.

7. Snails and waterfowl: Always keep snails and waterfowl away from the swimpond, as they feed on plants and insects that play an important role in the nutrient cycle. In addition snails and waterfowl stress the pond through excrement. Different pathogens can be introduced into the pond in this manner, for example cercariae that can trigger an unpleasant skin rash on humans.



SWIMPOND INDIVIDUAL.

THE CUSTOM-TAILORED SOLUTION FOR SPECIAL REQUIREMENTS.

Your customer and his family however do not want to forego the nearly natural experience of having their own swimpond? Our special service for all who need a custom-tailored solution is called SwimPond individual. For an additional charge the OASE swimpond experts will plan the custom solution for your customers if none of our prefabricated modules meet the local requirements. Thus you can satisfy all of your customers' dreams of having their own swimpond.

Contact us **for professional planning** of an individual swimpond by our experts.



Special prerequisites for use of technology in and on the swimpond. (valid in Germany only)

- Installation, assembly and operating instructions for OASE technology in accordance with DIN VDE 0100 Part 702 and Part 737.
- In the pond only operate devices with a maximum of 12V.
- All devices (UVC clarifiers, circulation pumps, transformers for lights and/or aerators) with more than 12V power must be set up outside of the body of water in a separate chamber. In this case the requirement that must be complied with is either a minimum distance of 2 m to the edge of the pond or set up in a lockable installation chamber. In the installation chamber the pump can be set up dry or it can be submersed in a separate pump chamber.
- The water-conducting pipes must be made of plastic.
- A 30 mA fuse must be installed.

OASE SwimPond individual – the custom-tailored solution for all customers who appreciate the unique. Depending on the requirements our experts plan custom swimponds that leave nothing to be desired. Contact us.



**CITY FOUNTAIN/
ACROPOLIS CONFERENCE
AND EXHIBITION CENTRE**

Location: Nice

The imposing water domes produced by OASE fountain rings and Comet nozzles have found their perfect site on the Cote d'Azur – throughout the year they attract locals and tourists alike.

OASE reference object, left



IDEAL ACCESSORIES FOR PROFESSIONAL SYSTEMS

CONSTRUCTION OF A PROFESSIONAL SPRAY FOUNTAIN SYSTEM, A LARGE FOUNTAIN OR PERFECTLY PLANNED WATER FEATURES IS AN EXTREMELY CHALLENGING TASK. THE HIGH-QUALITY ACCESSORIES FROM OASE ARE DESIGNED TO HELP YOU MEET THAT CHALLENGE.

Planning has finally been completed, all desires and requirements have been taken into consideration, the terrain has been probed and the perfect solution has been found. Implementation is now the issue at hand – and sometimes, the devil is in the details.

OASE offers sophisticated accessories for all eventualities so that you can implement your ideas just as perfectly as they have been planned. They prevent you from unpleasant surprises in the implementation.

High-quality stainless steel channels enable waterproof layout of suction and pressure connections in concrete and in liner pools.

Stainless steel filter baskets ensure years of trouble-free system operation. Armatures that satisfy the most rigorous functional and aesthetic requirements are available for inflow and outflow, the floor drain and for the overflow and the return feed.

NEW: We have added several fittings to our assortment (see p. 196)



- Underground niches page 182
- Floor drain armatures page 184
- Overflow / Drain armatures page 186
- Return armatures page 188
- Inflow nozzles page 190
- Floor-/wall transitions page 190
- Overflow-/return armatures page 192
- Suction filter baskets page 194
- Fittings page 196



	Fresh Water	Pool Water	Sea Water
Nozzle-Chamber Single			
Nozzle-Chamber Vario			

NOZZLE-CHAMBER SINGLE / VARIO

Compact water installations – even without a large pool can be quickly and easily implemented your design ideas in free spaces. The underground niches Nozzle-Chamber Single and Nozzle-Chamber Vario, offer ideal conditions for the uncomplicated installation of attractive water-light combinations without an open water surface.

The Nozzle-Chamber Single is ideal for underground installation of the ProfiPlane LED 320/DMX/02 or our Comet and Schaumsprudler fountain jets. With the Nozzle-Chamber Vario you can also easily install the Vario-Switch 010a

underground with the ProfiPlane LED 320/DMX/02 or the Comet and Schaumsprudler fountain jets.

Product characteristics at a glance

- Ideal for installation in open areas and multi-functional areas
- Easy installation
- With 3 DA 110 / DN 100 connections and 2 sealing caps
- G 1" pressure connection including 90° angle
- High-quality, robust stainless steel construction

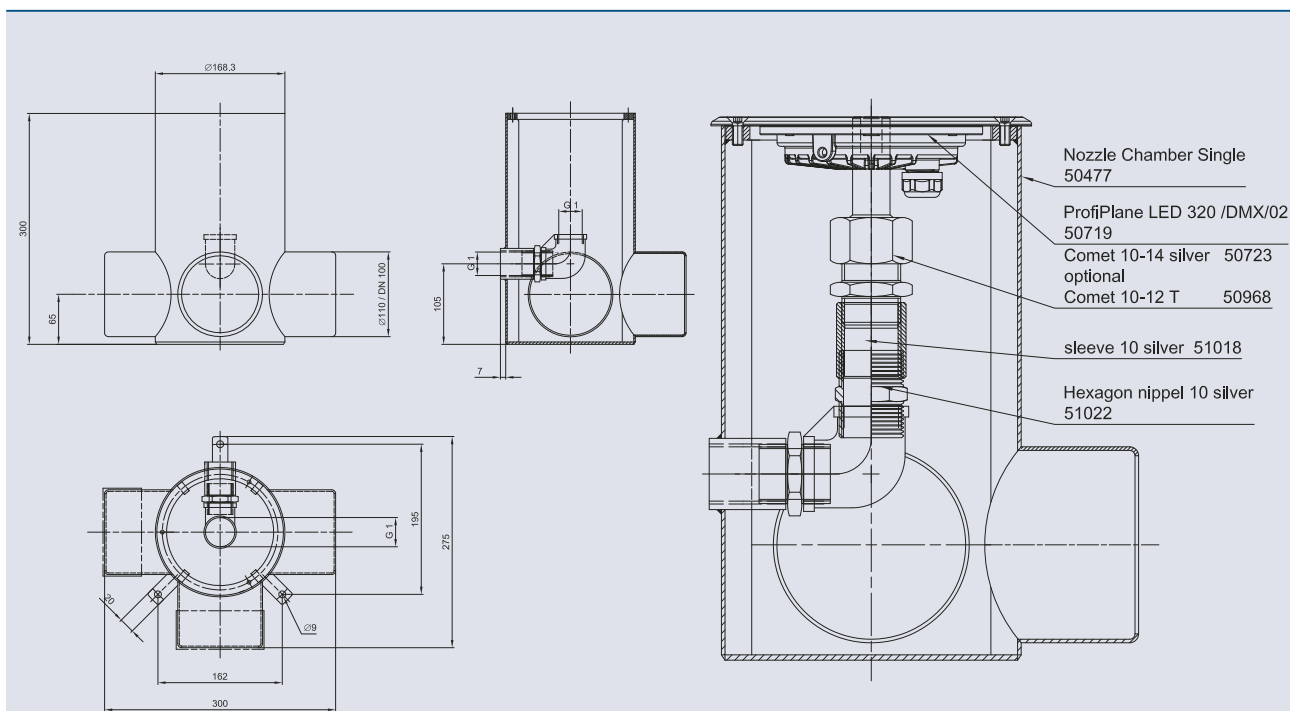
For details of Vario Switch 010a, see page 17.



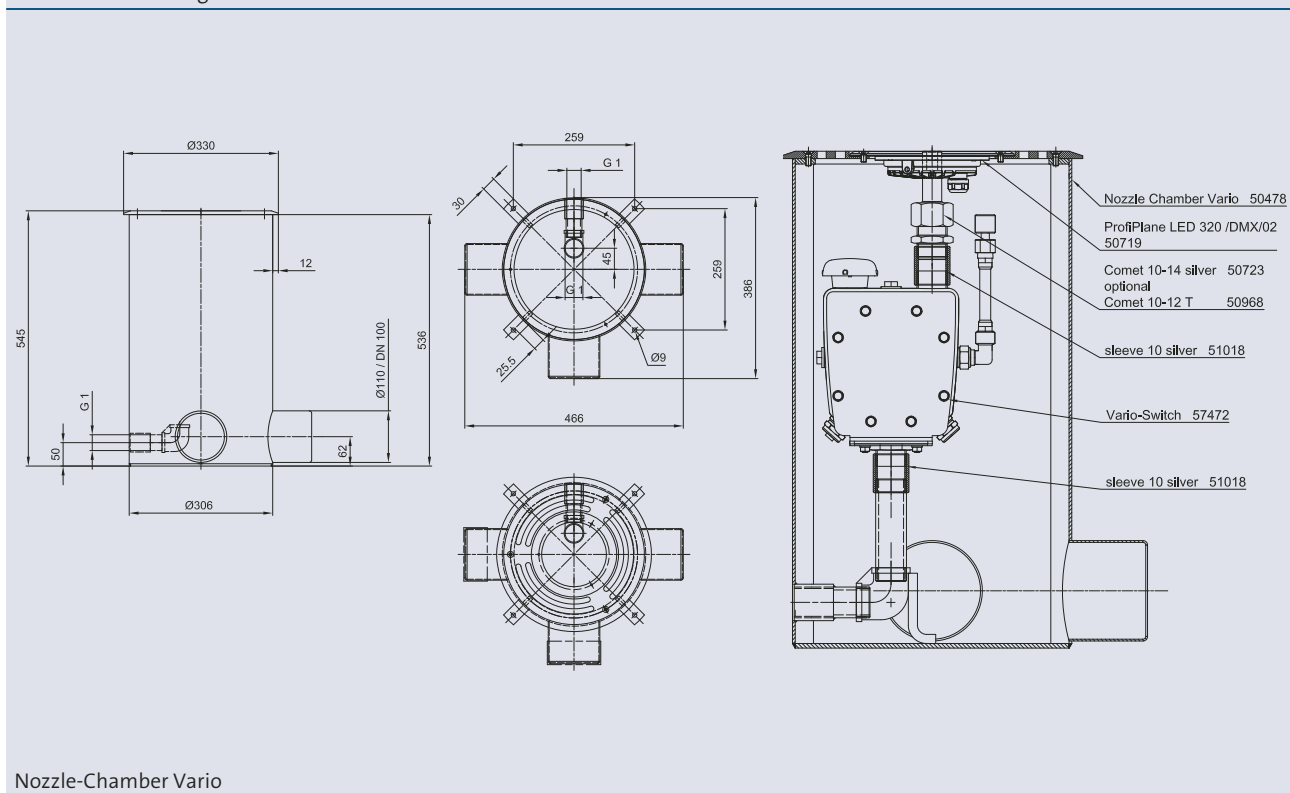
Nozzle-Chamber Single



Nozzle-Chamber Vario

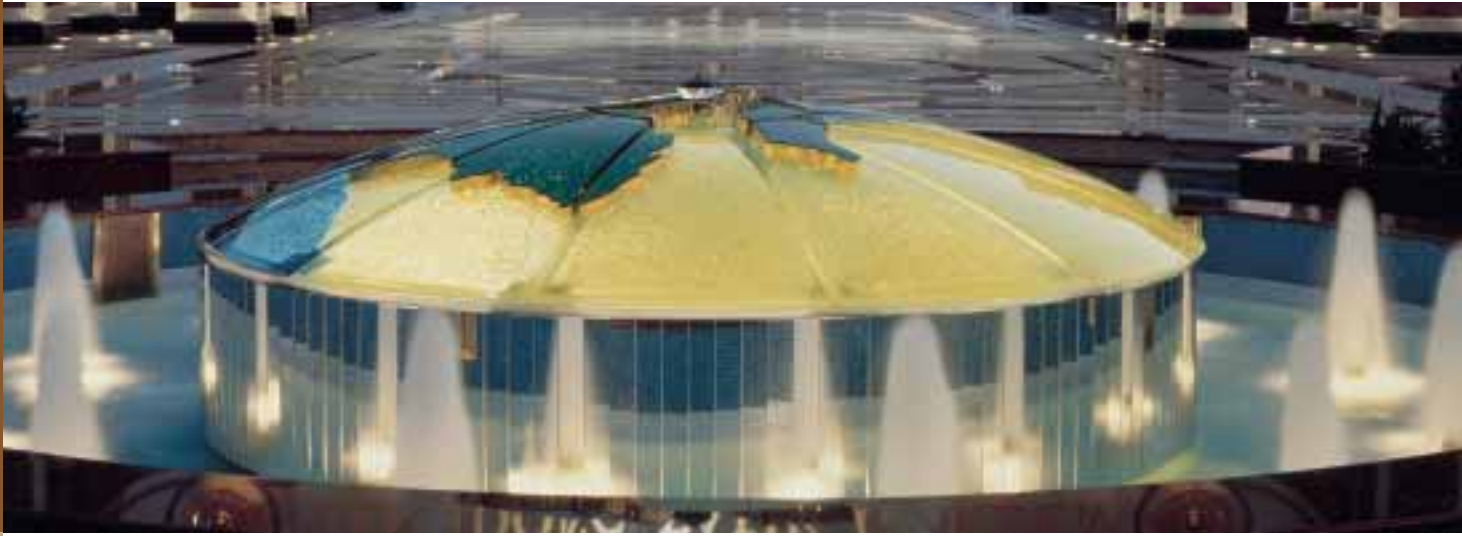


Nozzle-Chamber Single



Nozzle-Chamber Vario

	Nozzle-Chamber Single	Nozzle-Chamber Vario
Dimensions (L x W x H) [mm]	300 x 275 x 300	466 x 386 x 536
Pressure connection [inch]	1	1
Connection drain	3 x Ø 110/DN 100	3 x Ø 110/DN 100
Material	stainless steel	stainless steel
Weight [kg]	5.5	23.0
Order no.	50477	50478



Fresh Water	Pool Water	Sea Water
		

FLOOR DRAIN ARMATURES

Concrete or liner pools can be easily emptied via OASE floor drains. The drains are available with plug or with sieve.

Subsurface installation of a slide valve is required for discharging the models with debris sieve. Suitable cover sieves for the floor drains prevent excessive debris from getting into the drain (accessories).

The floor components of the drain armatures have concrete sealing flanges and can simply be inserted and cemented into the muffs of the drain pipes. Appropriate bores are available for connection to the equipotential bonding.

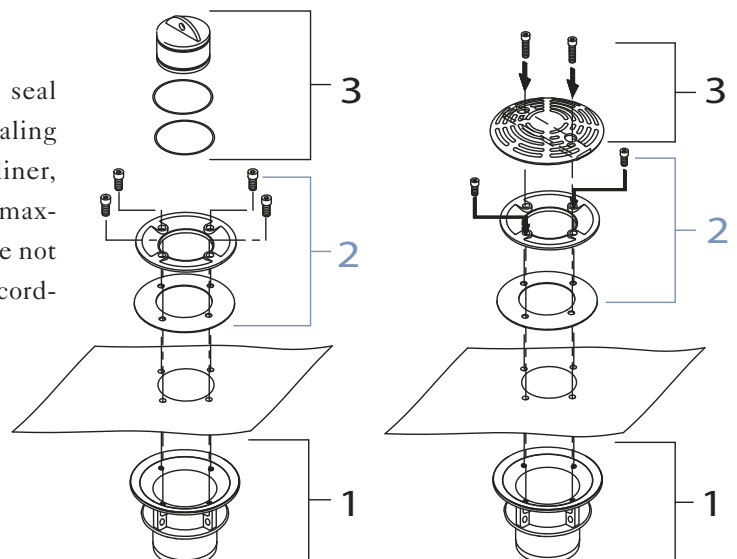
Appropriate liner clamping flanges with seal and bolts are available for flanging and sealing to liner. They are suitable for normal pool liner, with or without textile reinforcement and a maximum thickness of 2.5 mm, however they are not suitable for waterproofing membranes in accordance with DIN 18195.

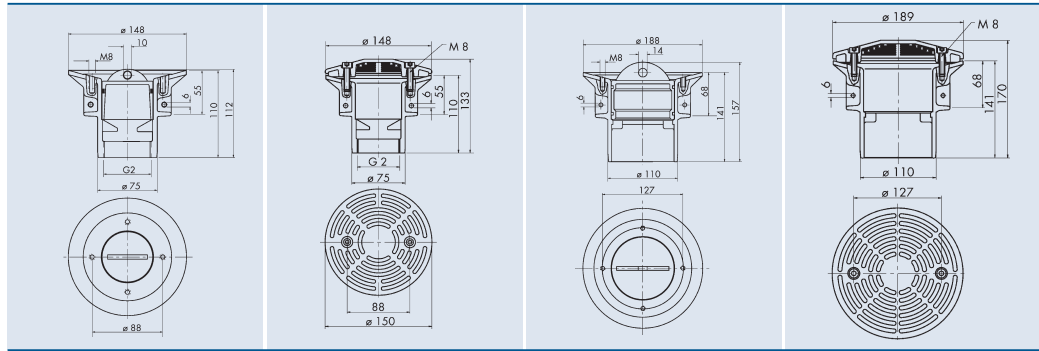
1 The concrete part is the basis of every configuration. Available for DN 70 and / or DN 100 pipes.


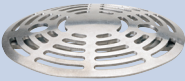
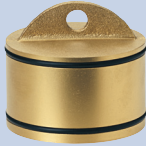

2 The clamping flange is for fastening with liner. Products with cable transitions are listed on page 116.



This position can be used optionally.


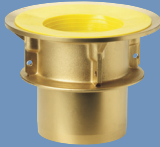
3 Depending on the requirement a decision is made at this point concerning the specific implementation: Plug, sieve, overflow or level regulator...





<h1>3</h1>				
	Plug 70 T	Debris sieve 70 E	Plug 100 T	Debris sieve 100 E
Dimensions (ø) [mm]	70	150	100	190
Designation	plug	debris sieve	plug	debris sieve
DN	70	70	100	100
Material	tombac	stainless steel	tombac	stainless steel
Weight [kg]	0.6	0.6	0.9	0.7
Order no.	57468	51973	57462	51974

<h1>2</h1> (optional)		
	Liner clamping flange 70 T	Liner clamping flange 100 T
Dimensions (ø) [mm]	148 x 26	188 x 35
Designation	liner clamping flange	liner clamping flange
DN	70	100
Material	tombac	tombac
Weight [kg]	1.1	1.4
Order no.	51108	51117

<h1>1</h1>		
	Concrete part 70 T	Concrete part 100 T
Dimensions (ø x H) [mm]	70 x 110	100 x 141
Designation	concrete part	concrete part
DN [mm]/[inch]	70 / 2"	100
Material	tombac	tombac
Weight [kg]	2.1	3.2
Order no.	57471	57467



Fresh Water	Pool Water	Sea Water
		

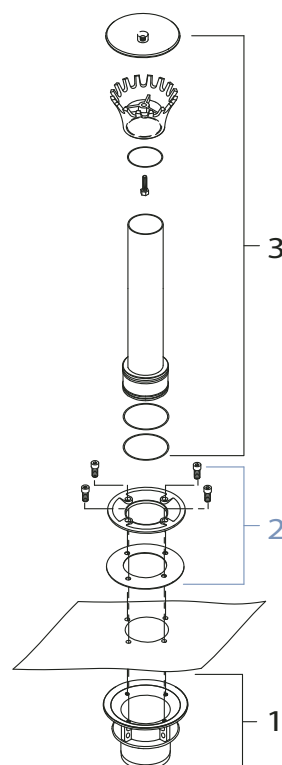
OVERFLOW/DRAIN ARMATURES

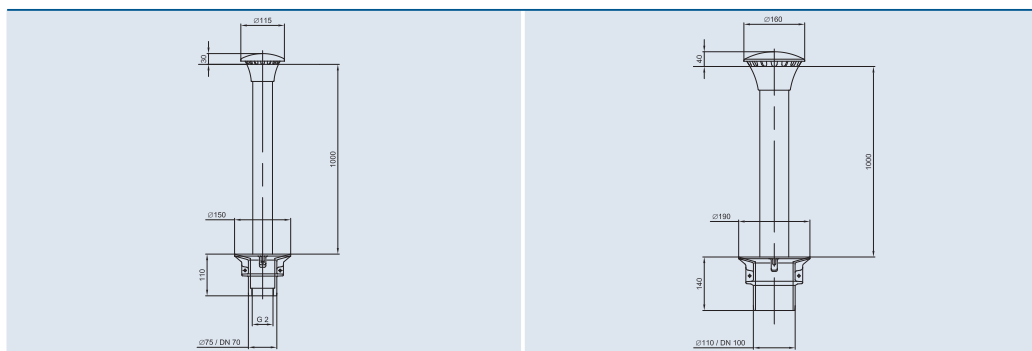
The optimal combination of overflow and drain: An overflow pipe inserted in the drain discharges excess water from filled pools. It is simply pulled out to empty the pool.

The overflow pipe with overflow crown has a standard length of 1000 mm, however it can be shortened to adapt to a lower water level. A debris/winter sieve can also be ordered for protection against coarse debris (see page 185).

Product characteristics at a glance

- Optimal combination of overflow and drain
- Easy installation
- For water levels from 0 to 1000 mm
- Stainless steel standpipe
- Cast parts are made of corrosion-resistant tombac alloy





<h1>3</h1>		
	Overflow/drain armature 70 / 1000 T	Overflow/drain armature 100 / 1000 T
Dimensions (ø x H) [mm]	115 x 1054	160 x 1108
Designation	overflow / drain armature	overflow / drain armature
DN	70	100
Material	tombac / stainless steel	tombac / stainless steel
Weight [kg]	3.2	7.2
Order no.	57469	57463

<h1>2</h1> (optional)		
	Liner clamping flange 70 T	Liner clamping flange 100 T
Dimensions (ø x H) [mm]	148 x 26	188 x 35
Designation	liner clamping flange	liner clamping flange
DN	70	100
Material	tombac	tombac
Weight [kg]	0.9	1.1
Order no.	51108	51117

<h1>1</h1>		
	Concrete part 70 T	Concrete part 100 T
Dimensions (ø x H) [mm]	70 x 110	100 x 141
Designation	concrete part	concrete part
DN [mm] / [inch]	70 / 2"	100
Material	tombac	tombac
Weight [kg]	2.1	3.2
Order no.	57471	57467



Fresh Water	Pool Water	Sea Water

RETURN ARMATURE

Return armatures channel the water from the pool back to the water reservoir and thus closing the water circuit. Size and quantity are calculated on the basis of the water volume flowing through the circuit.

For safety reasons at least two return armatures must be provided. A maximum return speed of 0.6 m/s should serve as the basis for calculating the nominal return diameter.

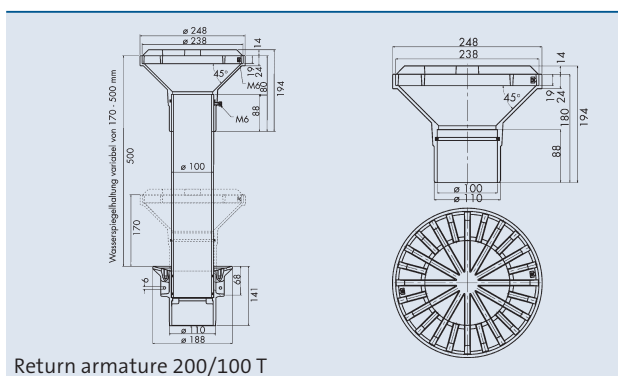
The standpipe 100/500 T can be shortened for adaption to the water level. For a constant water level the armatures can be pushed onto the slightly chamfered pipes. Otherwise the return armature 200/100 T is simply inserted in the muffs of the drain pipes and embedded in concrete.

The floor part has a concrete sealing flange and can easily be inserted in the muffs of the drain pipe and embedded in concrete. Appropriate

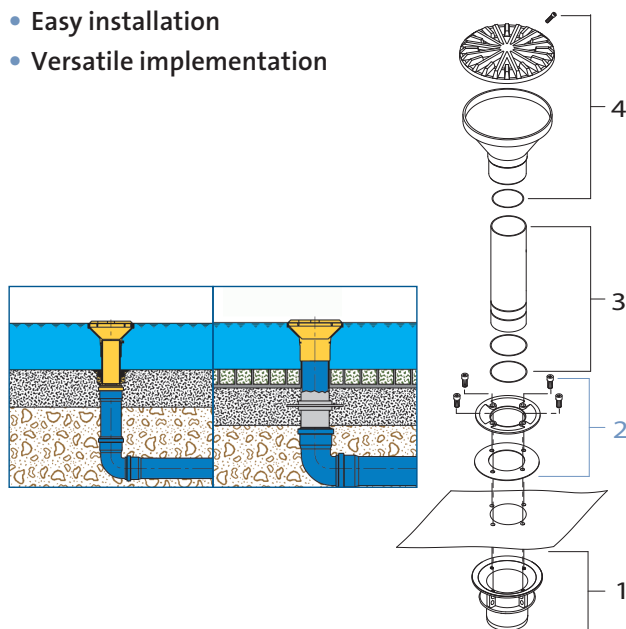
bores are available for connection to the equipotential bonding. Appropriate liner clamping flanges with seal and bolts are available for flanging and sealing to liner. They are suitable for normal pool liner, with or without textile reinforcement, and a maximum thickness of 2.5 mm, however they are not suitable for waterproofing membranes in accordance with DIN 18195.

Product characteristics at a glance

- Large and effective debris sieves
- Cast parts are made of corrosion-resistant tombac alloy
- Easy installation
- Versatile implementation









Return armature 200/100 T



<h1>4</h1>	
Return armature 200 / 100 T	
Dimensions (ø x H) [mm]	248 x 194
Designation	return armature
DN	100
Material	tombac
Weight [kg]	8.5
Order no.	51123
<h1>3</h1>	
Standpipe 100/500 T	
Dimensions (ø x H) [mm]	110 x 170-500 (variable)
Designation	standpipe
DN	100
Material	brass
Weight [kg]	4.5
Order no.	57466
<h1>2</h1> (optional)	
Liner clamping flange 100 T	
Dimensions (ø x H) [mm]	188 x 35
Designation	liner clamping flange
DN	100
Material	tombac
Weight [kg]	1.1
Order no.	51117
<h1>1</h1>	
Concrete part 100 T	
Dimensions (ø x H) [mm]	100 x 141
Designation	concrete part
DN	100
Material	tombac
Weight [kg]	3.2
Order no.	57467



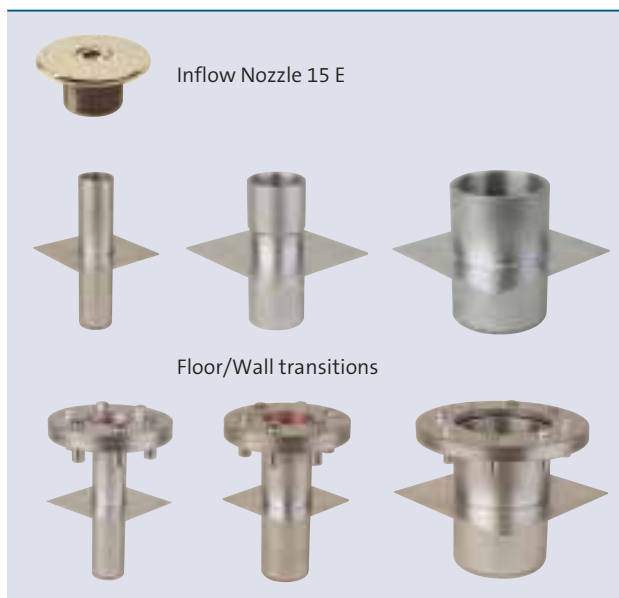
	Fresh Water	Pool Water	Sea Water
Floor/wall transition			
Inflow nozzle 15 E			

INFLOW NOZZLE 15 E

For undisturbed satisfaction in clean fountain pools and ponds.

Filtered water is fed back into the pool through stainless steel and bronze inflow nozzles. Direction of flow can be changed by adjusting the nozzle.

Fresh water inlet armatures are used to fill the pool and for top-up feed of evaporated water from the public drinking water network. The water-level can be adjusted from 100 to 1000 mm.



FLOOR/WALL TRANSITIONS

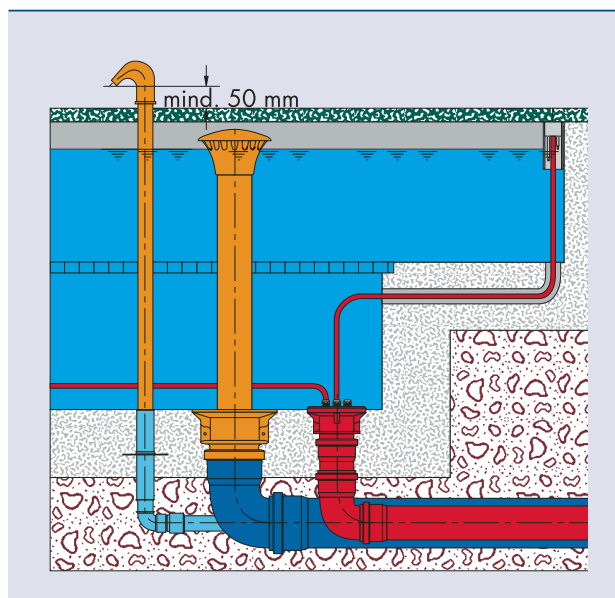
Trouble-free pipe routing through pool walls or pool floors is indispensable.

OASE floor/wall transitions are made of high-grade stainless steel and have a large-surface concrete-tight flange with grounding possibility.

Models with liner clamping flange are available for pools with liner.

Product characteristics at a glance

- Versatile implementation
- Easy to install
- Extremely corrosion resistant



Inflow nozzle	Inflow nozzle 15 E
Dimensions (LxWxH) [mm]	∅101x31
Thread	1 ½"
Material	stainless steel
Weight [kg]	0.3
Order no.	53086

Floor/Wall transition	Floor/Wall transition 10-175 E	Floor/Wall transition 15-175 E	Floor/Wall transition 20-175 E	Floor/Wall transition 40-175 E
Dimensions (LxWxH) [mm]	100x100x175	100x100x175	150x150x175	200x200x175
Thread	1"	1 ½"	2"	4"
Material	stainless steel	stainless steel	stainless steel	stainless steel
Weight [kg]	0.6	1.1	2.0	3.6
	1.4571	1.4571	1.4571	1.4571
Order no.	51141	51142	51143	52790

Floor/Wall transition	Floor/Wall transition/F 10-175 E	Floor/Wall transition/F 15-175 E	Floor/Wall transition/F 20-175 E	Floor/Wall transition/F 40-175 E
Dimensions (LxWxH) [mm]	100x100x191	100x100x191	150x150x191	200x200x191
Thread	1"	1 ½"	2"	4"
Material	stainless steel	stainless steel	stainless steel	stainless steel
Weight [kg]	3.0	3.4	4.7	8.3
	1.4571	1.4571	1.4571	1.4571
Order no.	51145	51146	51147	53013



OVERFLOW/RETURN BOX 100 E

These armature can either be used to route the filtered water back into the pool or to discharge excess pool water.

Overflow/return armature is installed in the vertical pool wall. Number of armatures used are based on the volume of water that will be returned. However at least two return armatures

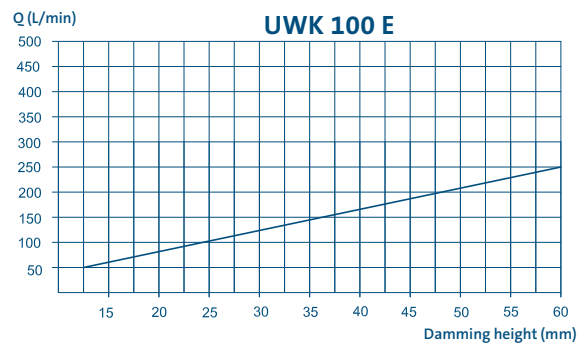
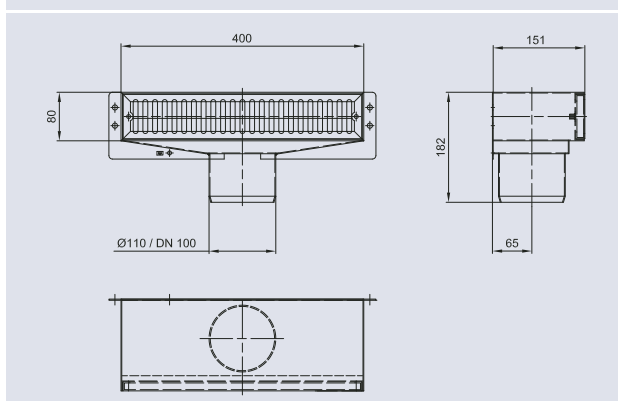
should be used for safety reasons. A maximum return speed of 0.6 m/s should serve as the basis for calculating the nominal return pipe diameter. The connection ducts easily fit in all muffs of the drain pipes.

Product characteristics at a glance

- For installation in vertical pool walls
- Large and effective debris sieves
- Connection suitable for the muffs of the drain pipe
- Manufactured completely of stainless steel



Overflow/return box 100 E



Overflow/return box 100 E	
Dimensions (L x W x H) [mm]	450 x 150 x 180
For pools with liner	no
Connection [DN]	100
Material	stainless steel
Weight [kg]	6.0
Order no.	52602



OVERFLOW WALL-INSTALLATION COMBINATION ARMATURE

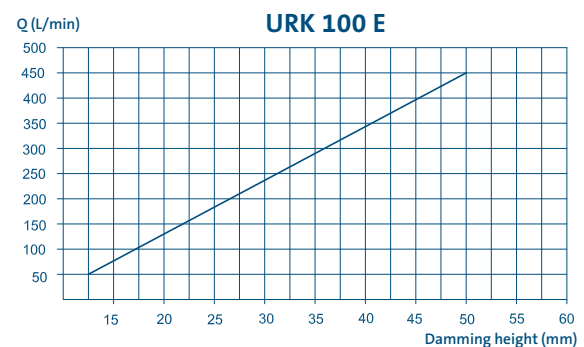
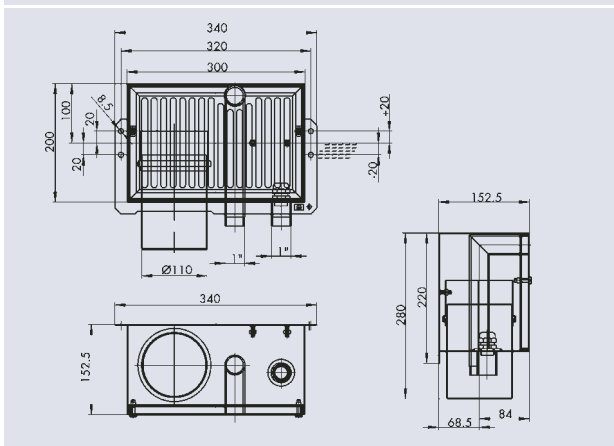
This is a three-in-one armature: It is an inlet armature, overflow armature, and at the same time it controls the water level – if equipped with an additional water level sensor.

The combination armature is preferably installed in the side pool wall below the pool edge cover. Installation is simple, the overflow duct fits into

the muff of the channel pipe. The fresh water feed pipe and the connection of the cable protection pipe for the water level sensor are connected to the appropriate threaded nipple via PE pipe unions. The overflow funnel can be pushed up or pushed down 20 mm to adjust to the water level.

Product characteristics at a glance

- Elegant combination of freshwater inlet and pool overflow
- Installation possibility for water-level sensor
- Water level can be corrected +/- 20 mm retroactively
- Completely made of stainless steel



Overflow wall-installation combination armature 100 E		
Dimensions (L x W x H)	[mm]	340 x 271 x 153
For pools with liner		no
Connection	[DN/inch]	100/1
Material		stainless steel
Weight	[kg]	6.1
Order no.		51120



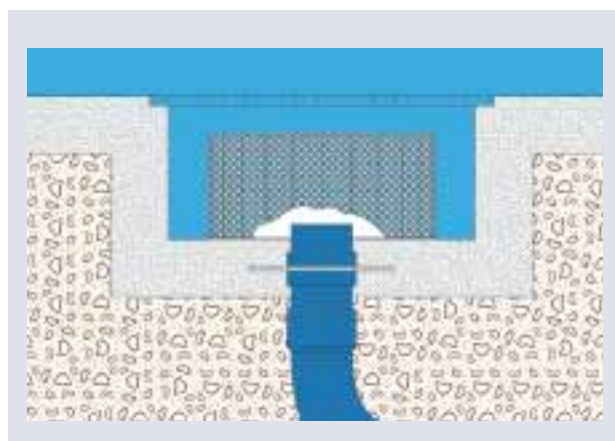
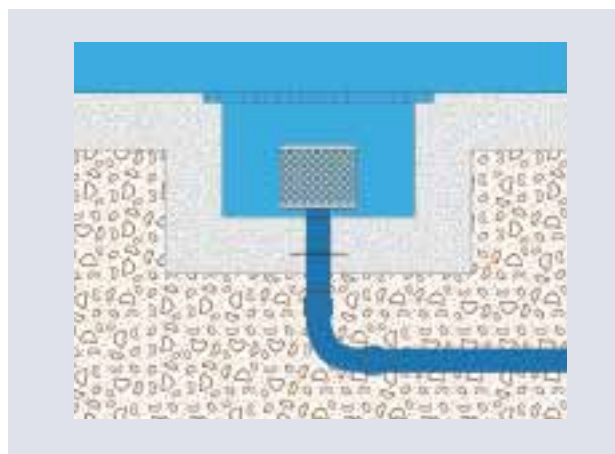
Fresh Water	Pool Water	Sea Water
		

SUCTION FILTER BASKETS 200/15 E TO 600/530/250 E

Suction filter baskets are mounted on the inlets of the suction lines to protect the pump/nozzle water circuit from coarse debris.

Product characteristics at a glance

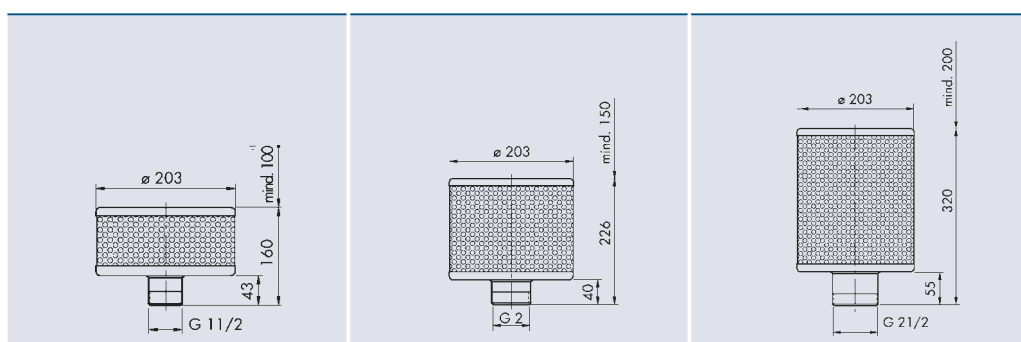
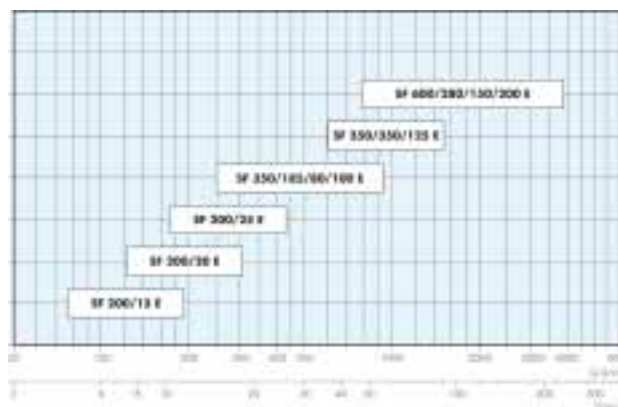
- Protects pump and nozzle from coarse debris
- Large filter surface
- Easy installation
- Solid and robust construction
- Corrosion resistant



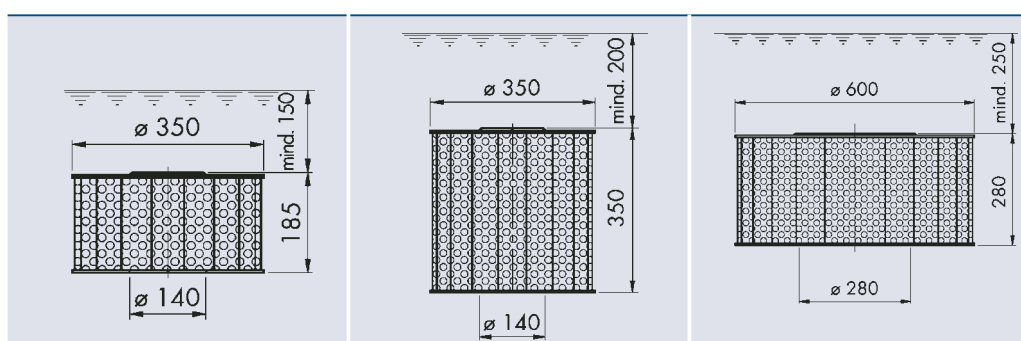
Suction filter baskets

The baskets are available in different sizes and have extra large filter surfaces that ensure a sufficiently long cleaning interval. In this regard the perforated filter plates for the medium-sized and large filter baskets have been folded multiple times in a star pattern. The stainless steel perforated plate has 4 mm holes.

The small suction filter baskets are screwed directly onto the pool floor channels. The medium and large baskets are simply placed over the suction line pipe that projects approximately 50 mm above the pool floor and permanently anchored.

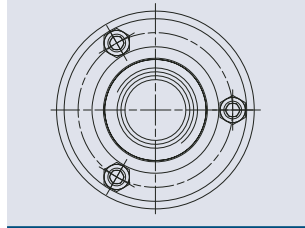
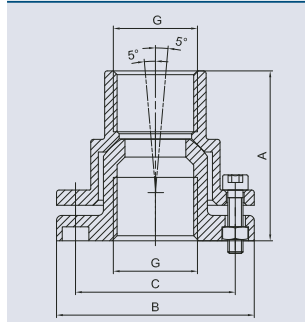


	Suction filter basket 200/100/15 E	Suction filter basket 200/166/20 E	Suction filter basket 200/250/25 E
Dimensions [ØxH mm]	203 x 160	203 x 226	203 x 320
DN [inch/mm]	1 ½"	2"	2 ½"
Filter surface [m²]	0.08	0.12	0.18
Particle strainer Ø [mm]	4.0	4.0	4.0
Material	stainless steel	stainless steel	stainless steel
Weight [kg]	1.1	1.5	1.8
Order no.	51082	51083	51084



	Suction filter basket 350/185/80/100 E	Suction filter basket 350/350/125 E	Suction filter basket 600/280/150/200 E
Dimensions [ØxH mm]	350 x 185	350 x 350	600 x 280
DN [inch/mm]	80/100	125	150/200
Filter surface [m²]	0.44	0.88	1.5
Particle strainer Ø [mm]	4.0	4.0	4.0
Material	stainless steel	stainless steel	stainless steel
Weight [kg]	9.5	11.5	43.1
Order no.	51753	54755	51756

SWIVEL CONNECTION

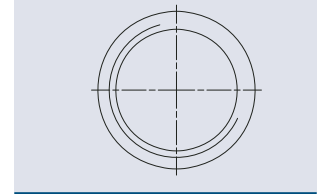
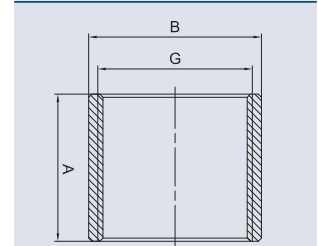


Product characteristics at a glance

- Adjustment for nozzles
- Silver optic
- Durable chrome and nickel plated brass

Swivel Connection silver		10	15	20
G	[inch]	1	1 ½	2
A	[mm]	70	75	88
B	[mm]	78	101	127
C	[mm]	63	80	104
Weight	[kg]	0.55	1.12	2.05
Order no.		51015	51016	51017

SLEEVE SILVER



Product characteristics at a glance

- Straight threading
- High-quality stainless steel

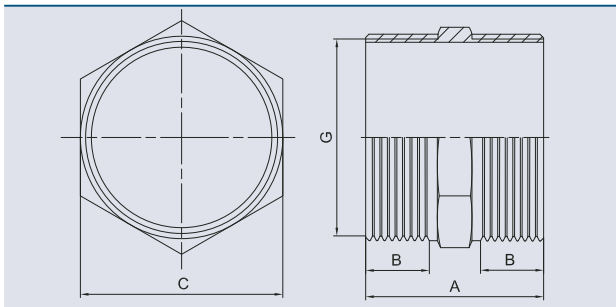
Sleeve Silver		10	15	20	30
A	[mm]	42.3	47.2	51.7	66.7
B	[mm]	38.0	53.5	66.0	95.0
G	[inch]	1	1 ½	2	3
Material		Stainless steel			
Weight	[kg]	0.09	0.16	0.25	0.63
Order no.		51018	51019	51020	51021

HEXAGON NIPPLE SILVER



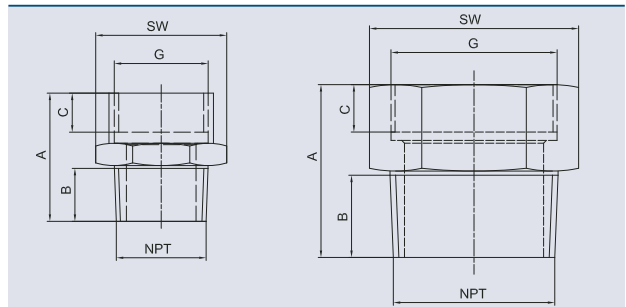
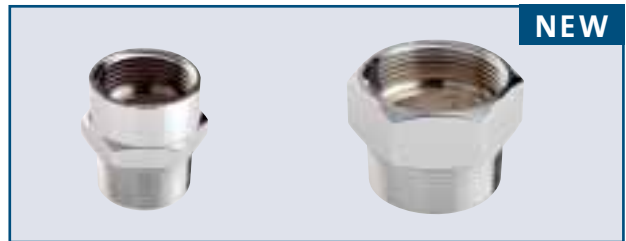
Product characteristics at a glance

- Straight threading
- High-quality stainless steel



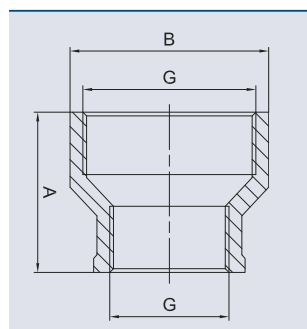
Hexagon Nipple Silver		10	15	20	30
G	[inch]	1	1 ½	2	3
A	[mm]	49	51.5	54.5	68
B	[mm]	20.4	20.7	22	27.5
C	[mm]	35	50	62	91
Material		Stainless steel			
Weight	[kg]	0.065	0.20	0.40	0.51
Order no.		51022	51023	51024	51025

ADAPTER G/NPT



Adapter		G10/NPT10	G15/NPT15	G20/NPT20	G30/NPT30
A	[mm]	43.2	46	62	78
B	[mm]	21	21	29	37
C	[mm]	14	14	17	20
SW	[mm]	36	50	60	90
G	[inch]	1	1 ½	2	3
Weight	[kg]	0.145	0.55	1.12	2.05
Order no.		51026	51027	51028	51029

REDUCING SLEEVE

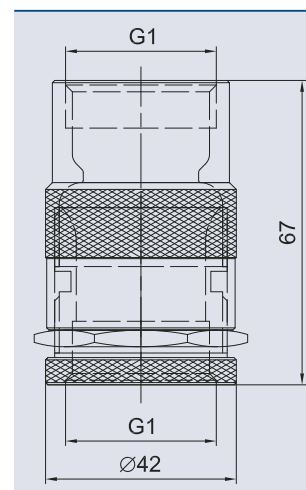


Product characteristics at a glance

- High-quality stainless steel
- Straight threading

Reducing Sleeve		15 x 10	20 x 15
A	[mm]	50	59
B	[mm]	57	70
G	[inch]	1 ½ - 1	2 - 1 ½
Weight	[kg]	0.175	0.225
Order no.		51032	51030

FLOW VALVE 10

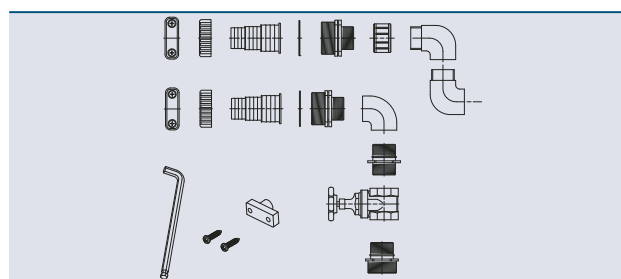


Product characteristics at a glance

- Flow regulator
- Use below nozzle
- High-quality stainless steel
- Straight threading

Flow Valve 10		
Dimensions	[mm]	Ø 42 x 67
Material		Stainless steel
Weight	[kg]	0.3
Order no.		51033

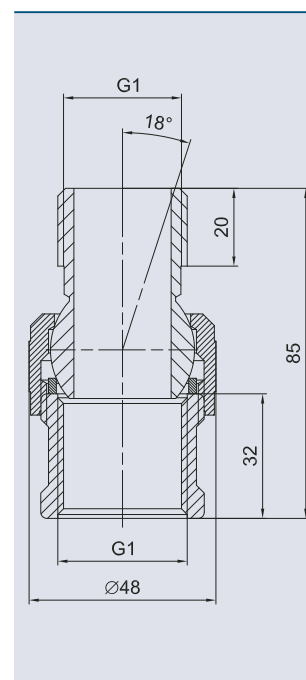
JUMPING JET RAINBOW STAR INSTALLATIONKIT



Scope of delivery

Jumping Jet Rainbow Star Installation Kit		
2	Flat gasket hose tail 1 ½"	
2	Coupling nut 1 ½" 40-20	
2	Stepped hose tail 1 ½" black	
1	Bush plastic 1"	
1	Bracket 90° G1 I-I plastic	
1	"Hexagonal Nipple R1"	
2	Red. Nippel 1 ½" AG to 1" AG	
1	MS. shut off gate valve 1" 290	
2	Screws V2A DIN 7981, 4,8 x 25	
1	Gland seal Rainbow Star	
1	Hexagon screwdriver 5mm	
1	Flat gasket 53 x 48 x 1, 5mm NBR/SBR 70Sh	
2	Elbow 90° G1 I-A plastic	
2	Hose clamp 20 – 32 mm	
2	Hose clamp 35 – 50 mm 1.4301	
1	Coupling nut 1 ½" 40 – 20	
1	1 Bush plastic 1"	
Weight	[kg]	0.84
Order no.		51058

SWIVEL BALL JOINT 10



Product characteristics at a glance

- Adjustment for nozzles
- Straight threading
- Durable chrome and nickel plated brass

Swivel ball joint 10		
Dimensions	[mm]	Ø 48 x 85
Material		Nickel plated brass
Weight	[kg]	0.37
Order no.		51165

ALPHABETICAL PRODUCT OVERVIEW

MISCELLANEOUS

ALPHABETICAL PRODUCT OVERVIEW

Order no.	Description	Page
51026	Adapter G 10 / NPT 10 Silver	196
51027	Adapter G 15 / NPT 15 Silver	196
51028	Adapter G 20 / NPT 20 Silver	196
51029	Adapter G 30 / NPT 30 Silver	196
50433	AFM filter medium	162
50183	AirFlo 1.5 kW / 230 V	146
50185	AirFlo 4.0 kW / 400 V	146
58904	AirNozzle	20
53913	Anemometer K	136
51093	Anti-algae agent ASS 100	166
50549	AquaActiv ALGo Direct 5 l	172
50545	AquaActiv ALGo Universal 5 l	172
50558	AquaActiv OptiPond 5 l	172
57477	AquaActiv PhosLess Refill pack	172
50555	AquaActiv PondClear 5 l	172
50561	AquaActiv SediFree 5 l	172
50571	AquaActiv Water analysis Profi-Set	172
57479	AquaAir 250	144
57487	AquaAir 250	144
56873	AquaMax Expert 20000	89
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