



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

PROFICLEAR PREMIUM

- Perfect for koi ponds, swim ponds and other large bodies of water
- New generation of module filters for professional water quality
- Developed by and with koi experts
- Excellent decomposition rates of ammonium / ammonia and nitrite.

PROFICLEAR PREMIUM



*P. 310

Perfect for koi ponds: Optimized technology and new digital possibilities



Extras

Top product characteristics

- Highly efficient filter system with deep bed filtration to 60 microns
- Can be controlled with APP via the Easy Garden Control System (EGC)
- Intelligent controller completely handles the self cleaning

Recommendation

Matching filter and watercourse pumps: AquaMax Eco Premium, AquaMax Eco Gravity. Matching UVC clarifiers: Bitron C 72 W / 110 W, Bitron Eco 120-240 W as well as Bitron Gravity:

- Intelligent high end module filter system for Koi ponds and other large bodies of water to 260 m³
- Modern module filter system for professional water quality where space is at a minimum
- Outstanding filter capacity with intelligent control functions
- Intelligent self cleaning function for unique maintenance free operation (drum filter module)
- Conveniently control all settings via app, through connection possibilities on the Easy Garden Control System (EGC), upgrading existing systems is possible with the separately available upgrade kit
- Free-of-charge update of additional digital features, such as connection to the OASE Cloud for location-independent control of your filter in the course of the year 2017
- Highly effective decomposition of pollutants and nutrients, thanks to professional filter media and moving bed process (MovingBed)
- Flexible adaptation of the filter system to individual requirements (individual module)
- Mature, professional technology with more than 3 years of development time
- Innovative and reliable product »made in Germany*«
*except pressure pump)

DRUM FILTER MODULE



Intelligence sets the pace. The intelligent switch centre removes coarse debris to 60 µm – i.e. finer than a strand of hair.

- Maximum particle removal to 60 µm and flow-through rates to 33 m³/h for a crystal clear view
- Flexible implementation possibilities; can be used in the gravity-fed system, as well as in the pump-fed system
- Automatic self-cleaning offers maximum convenience
- Rinsing is executed with cleaned pond water, a water connection is not required
- A watertight microcontroller system monitors and controls the main functions, operation is as easy as child's play (plug & play)
- Control system with retrospective display of errors in running operation as well as adjustment possibilities for forced cleaning, duration of cleaning and supplemental cleaning

- Pollutant rakes on the sieves reliably remove string algae and other larger particles from the drum
- Pollutant trough made of ductile EPDM material prevents jamming of larger particles
- VDE testing certifies reliable and safe functions
- Safety level switch in the pump-fed system prevents jamming due to debris particles
- Stable housing thanks to solid stainless steel elements and dimensionally stable Duroplast
- Individually removable sieve elements (no tools required) and free-wheeling functions for easy access to the drum interior
- Incomparably quiet through extensive noise damping
- Powerful, high-quality pressure pump is integrated for flushing the drum
- Full flexibility for the connection with up to 4x DN 110 inlets
- Screen elements in 150 µm mesh width optionally available as accessories

MOVING BED MODULE



POWERED BY
Hel-X 13

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

- Extremely large, protected settlement surface for microorganisms (806 m²/m³)
- Innovative bypass technology for optimal movement of the Hel-X bio-elements even with high flow rates
- Removal of toxins, such as ammonium / ammonia, nitrite and nitrate
- Hel-X Biomedium 50 l decompose approx 340 g of fish food per day. Its performance depends on temperature, feed quality and the degree of settlement of microorganisms
- Aerator bar for oxygen enrichment and turbulence already installed
- Advantages of the moving bed process: Permanent, optimal oxygen supply; self-cleaning effect from dead biomass, know-how from industrial water treatment
- Integrated bottom drain with high quality, finely engineered slide valve



Integrated aerator can be connected to AquaOxy aerator pumps.



It was possible to significantly extend the surface that can be settled (surface protected: + 14.5% relative to the predecessor product).

INDIVIDUAL MODULE



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

- Space-saving pump and UVC chamber for easy integration of: AquaMax Eco gravity filter pumps and Bitron Gravity UVC clarifiers
- Maximum flexibility in the connection through DN 110 and 2" ducts
- To increase the filter capacity, it's possible to fill the 2 individual baskets in the flow area with additional filter medium up to 8 litres fill volume
- Integrated bottom drain with high quality, finely engineered slide valve



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

TECHNICAL DATAS

		1 ProfiClear Premium Drum filter pump-fed EGC	1 ProfiClear Premium Drum filter gravity-fed EGC
Dimensions (L x W x H)	mm	830 x 600 x 820	
Rated voltage		230 V / 50 Hz	
Power consumption	W	5	
Power consumption cleaning	W	1050	
Cable length	m	5.00 + 1.00	5.00 + 5.00
Net weight	kg	74.00	74.50
Guarantee (+ request guarantee) * P.310	Years	2 + 1	
Control unit		Microcontroller	
Temperature display		Digital	
Coarse debris extraction	µm	60	
Number of nozzles / cleaning flow rate		4 x 2.5 l/min	
Scavenging pump		6 bar	
Automatic self cleaning		manually, Sensor, Time interval	
Number of sieve elements	EA	8	
Filter intake surface	cm ²	3454	4200
Material		GRP Duroplast/stainless steel	
Number of inlets	EA	2	4
Connection inlet	mm	50	-
Connection inlet		2 x 2" + Bitron	DN 110
Number of outlets	EA	2	
Connections, outlet		DN 150	
Connections, sludge discharge		DN 75, DN 110	
Connection mud drain		DN 110	
Connection to		Bitron C 72 - 110 W, Bitron Eco 120 - 240 W	Bitron Gravity
Min. flow rate	l/h	10000	
Max. flow rate	l/h	25000	33000
Installation height above water level	cm	40.0	11.5
Pos. water level difference		5 cm	-20 mm
Type of use		Pump fed system	Gravity fed system
Other		<ul style="list-style-type: none"> • Pollutant discharge incl. slide valve 	
Product characteristics		<ul style="list-style-type: none"> • Deep-bed filtration with a filter capacity to 60 µm • Automatic self-cleaning • A microcontroller system, suitable for outdoor use, monitors and controls the functions • Individually removable sieve elements (no tools required) and free-wheeling functions for easy access to the drum • Particularly quiet in operation • Quality high-pressure pump for flushing the drum in the scope of delivery • Possibilities for connection to the Easy Garden Control System (EGC) • Safety level switch prevents jamming due to debris particles • Additional 2" inputs with non-return valve for integration of additional pumps • Flow capacity up to 25 m³/h 	<ul style="list-style-type: none"> • Deep-bed filtration with a filter capacity to 60 µm • Automatic self-cleaning • A microcontroller system, suitable for outdoor use, monitors and controls the functions • Individually removable sieve elements (no tools required) and free-wheeling functions for easy access to the drum • Particularly quiet in operation • Quality high-pressure pump for flushing the drum in the scope of delivery • Possibilities for connection to the Easy Garden Control System (EGC) • Full flexibility for the connection with up to 4x DN 110 inlets • Full design freedom with just 11 cm installation height above the water level • Supplemental sensor detects failure of the feed pump and reports this via display or EGC • Flow capacity up to 33 m³/h
Item no. (GB-Version)		47004	47006
Item no.		47003	47005



Tip!

AquaOxy aeration pump – ideal oxygen supply for pond flora and fauna



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ProfiClear Premium Moving Bed Module

3

ProfiClear Premium Individual Module

Dimensions (L x W x H)	mm	830 x 600 x 820	
Net weight	kg	44.00	37.00
Guarantee (+ request guarantee) * P. 310	Years	2 + 1	
Biological filter surface	m ²	47.8	-
Biological filter surface protected	m ²	40.3	-
Individual granulate filter		-	2 x 8 litres
Number of sieve elements	EA	-	2
Material		GRP Duroplast	GRP Duroplast/stainless steel
Number of inlets	EA	2	
Connection inlet	mm	180	
Connection inlet		180 mm	
Number of outlets	EA	2	
Connections, outlet	mm	-	
Connections, outlet		DN 150	2 x 2" / 2 x DN 110
Connections, sludge discharge		DN 75	
Min. flow rate	l/h	10000	
Max. flow rate	l/h	33000	
Connection to		AquaOxy CWS 2000 - 4800	AquaMax Eco Gravity, Bitron Gravity
Installation height above water level	cm	13.0	
Type of use		Gravity fed system, Pump fed system	
Other		<ul style="list-style-type: none"> Aeration pre-installed incl. 50l Hel-X 13 Biomedia Pollutant discharge incl. slide valve 	<ul style="list-style-type: none"> Pollutant discharge incl. slide valve
Product characteristics		<ul style="list-style-type: none"> Intelligent high end module filter system for Koi ponds and other large bodies of water to 260 m³ Highly effective decomposition of pollutants and nutrients, thanks to professional filter media and moving bed process (MovingBed) Mature, professional technology with more than 3 years of development time Innovative and reliable product »made in Germany« (except pressure pump) 	<ul style="list-style-type: none"> Intelligent high end module filter system for Koi ponds and other large bodies of water to 260 m³ Highly effective decomposition of pollutants and nutrients, thanks to professional filter media and moving bed process (MovingBed) Mature, professional technology with more than 3 years of development time Innovative and reliable product »made in Germany« (except pressure pump)
Item no. (GB-Version)		-	
Item no.		50772	50771

