

PRODUCT DETAILS



Nitrification and efficient zones

Toxic ammonia and nitrite are transformed into harmless end products, such as gaseous nitrogen, in the different foams.



Temperature display

The thermometer indicates the current water temperature at all times.



UVC unit*

The integrated UVC unit ensures fast elimination of suspended algae and reduction of pathogens.



Integrated sludge drain

After activating the cleaning lever, the bottom drain can be opened and coarse debris can be disposed of.

Extras

Top 3 product characteristics

- Ideal flow-through filter with reliable filter performance for getting started with a pond
- Easy maintenance thanks to cleaning handles and bottom drain
- Pollutant level indicator and temperature indicator for convenient filter monitoring

Recommendation

The UVC bulbs should be changed at regular intervals, ideally in spring before the season starts, to guarantee the full-strength capacity of the UVC light waves!

TECHNICAL DATA

Matching filters and filter systems starting on page 66

		BioSmart UVC 16000	BioSmart 30000
Dimensions (L x W x H)	mm	380 x 560 x 410	770 x 555 x 405
Rated voltage		230 V / 50 Hz	—
Power consumption	W	14	—
Power cable length	m	3.00	—
Net weight	kg	5.40	10.30
Guarantee* ^{GC}	Years	2	3
UVC power	W	11	—
Quantity filter foams total	Unit	6	9
Quantity filter foams blue	Unit	3	4
Quantity filter foams red	Unit	3	4
Quantity filter foams green	Unit	—	1
Connections, inlet		¼", 1", 1½", 1½"	1", 1¼", 1½"
Connections, outlet		DN 75	
Connections, pollutant discharge		1½"	DN 50
Suitable for ponds up to max.	m ³	16.0	30.0
Suitable for ponds with fish stock	m ³	8.0	15.0
Suitable for ponds with koi*	m ³	4.0	7.5
		Not available in GB!	
Item no.		57377	56641

* Note: When planning a new pond with koi stock, please ensure a minimum pond size of 5 m³!



* BioSmart UVC 16000 ** BioSmart 30000

Accessories



Replacement bulb UVC 11 W
for BioSmart UVC 16000 Item no. 56112 (Page 213)

Replacement foam BioSmart UVC 16000
Red Item no. 35791 (Page 213)
Blue Item no. 35792 (Page 213)

Replacement foam BioSmart 20/30000
Red Item no. 56677 (Page 213)
Blue Item no. 56678 (Page 213)
Green Item no. 56679 (Page 213)

Discharge pipe
Black DN 75/480 mm Item no. 55043 (Page 215)

T-piece
Black DN 75 Item no. 55046 (Page 215)

Connection elbow
Black DN 75/45° Item no. 55044 (Page 215)
Black DN 75/87° Item no. 55045 (Page 215)

AquaActiv BioKick CWS 200 ml

To achieve the optimal filter effect »treatment« with OASE BioKick CWS FILTER STARTER is recommended. This should be added each time the filter is placed in service (e.g. spring).

Item no. 50295 (Page 169)





Schematic diagram: BioSmart Set components in function

Extras

Top 3 product characteristics

- Clear water guaranteed through the ideal combination of filter, pump and UVC technology
- Complete, optimally matched sets
- Easy filter maintenance thanks to pollutant level indicator, cleaning handles and sludge drain

Recommendation

The UVC bulbs should be changed at regular intervals, ideally in spring before the season starts, to guarantee the full-strength capacity of the UVC light waves!

BIOSMART SETS

Entry-level flow-through filter sets with UVC and filter pump

BioSmart Set 5000



- Suitable for ponds up to 30 m³
- Combination of mechanical biological cleaning and effective UVC technology
- Incl. OASE Clear Water Guarantee*^C
- Oxygen enrichment through special water channeling
- Cleaning handles for convenient maintenance
- Including displays for pollutant level and water temperature
- Sludge drain for easy removal of coarse debris
- Filter housing can be buried to 1/3 of its height
- Filters and pumps are optimally matched

BioSmart Set 5000

- Included in the scope of delivery: 3 m 3/4" hose and OASE filter pump 1500: 25 W; 1,500 l/h Qmax; 1.9 m Hmax

BioSmart Set 20000 / 30000



BioSmart Set 7000

- Included in the scope of delivery: 3 m 3/4" hose and OASE filter pump 2500: 40 W; 2,500 l/h Qmax; 2.2 m Hmax

BioSmart Set 14000

- Included in the scope of delivery: 3 m 3/4" hose and OASE filter pump 3500: 70 W; 3,400 l/h Qmax; 2.7 m Hmax

BioSmart Set 20000

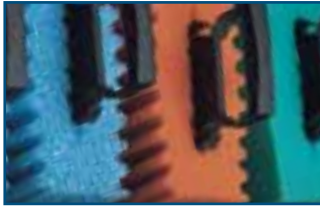
- Included in the scope of delivery: 5 m 1 1/2" hose and OASE AquaMax Eco Classic 5500: 60 W; 5,300 l/h Qmax; 2.8 m Hmax

BioSmart Set 30000

- Included in the scope of delivery: 5 m 1 1/2" hose and OASE AquaMax Eco Classic 8500: 80 W; 8,300 l/h Qmax; 3.2 m Hmax

START

PRODUCT DETAILS



Nitrification and efficient zones

Toxic ammonia and nitrite are transformed into harmless end products, such as gaseous nitrogen, in the different foams.



Temperature display

The thermometer indicates the current water temperature at all times.



Integrated sludge drain

After activating the cleaning lever, the sludge drain can be opened and coarse debris can be disposed of.

* Only BioSmart Set 20000/30000



UVC unit

The integrated UVC unit ensures fast elimination of algae and reduction of pathogens.

Accessories

Replacement bulb UVC

UVC 7 W	Item no. 57111	(Page 213)
UVC 9 W	Item no. 54984	(Page 213)
UVC 11 W	Item no. 56112	(Page 213)
UVC 18 W	Item no. 56236	(Page 213)
UVC 36 W	Item no. 55432	(Page 213)

Replacement foam BioSmart 5000 / 7000 / 14000

Red	Item no. 35791	(Page 213)
Blue	Item no. 35792	(Page 213)

Replacement foam BioSmart 20 / 30000

Red	Item no. 56677	(Page 213)
Blue	Item no. 56678	(Page 213)
Green	Item no. 56679	(Page 213)

Discharge pipe

Black DN 50 / 480 mm	Item no. 50829	(Page 215)
Black DN 75 / 480 mm	Item no. 55043	(Page 215)

Connection elbow

Black DN 50 / 45°	Item no. 50833	(Page 215)
Black DN 75 / 45°	Item no. 55044	(Page 215)
Black DN 75 / 87°	Item no. 55045	(Page 215)

T-piece

Black 70 mm	Item no. 55046	(Page 215)
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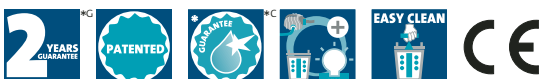
AquaActiv BioKick CWS 200 ml

To achieve the optimal filter effect »treatment« with OASE BioKick CWS FILTER STARTER is recommended. This should be added each time the filter is placed in service (e.g. spring).

Item no. 50295 (Page 169)

TECHNICAL DATA

		BioSmart Set 5000	BioSmart Set 7000	BioSmart Set 14000	NEW BioSmart Set 20000	NEW BioSmart Set 30000
Dimensions (L x W x H)	mm	280 x 380 x 410		380 x 560 x 410	920 x 555 x 405	920 x 600 x 405
Rated voltage		230 V / 50 Hz			220–240 V / 50/60 Hz	
Power consumption UVC	W	11	12	14	18	36
Power consumption pump	W	25	40	70	60	80
Power cable length UVC	m	3.00			5.00	
Power cable length pump	m	10.00				
Net weight	kg	5.50	6.16	9.20	24.00	
Guarantee* ^G	Years	2				
UVC power	W	7	9	11	18	36
Quantity filter foams blue	Unit	1	2	3	4	
Quantity filter foams red	Unit	1		3	4	
Quantity filter foams green	Unit				1	
Connections, inlet		¾", 1", 1¼", 1½"				¾", 1", 1¼", 1½", 2"
Connections, outlet		DN 50			DN 75	
Connections, pollutant discharge		1½"				DN 50
Suitable for ponds up to max.	m³	5.0	7.0	14.0	20.0	30.0
Suitable for ponds with fish stock	m³	2.5	3.5	7.0	10.0	15.0
Suitable for ponds with koi*	m³	1.3	1.7	3.5	5.0	7.5
Item no. (GB-Version)		–	50450	50452	50453	50454
Item no.		50525	50449	50451	51238	51240



* Note: When planning a new pond with koi stock, please ensure a minimum pond size of 5 m³!

Clear Water System:

Year-round biologically clear water without having to do much – previously this was wishful thinking for many pond owners, now it can be easily achieved. The Clear Water System consists of up to six different components. Used together, they become the managers of the pond. Perfectly matched, the set fulfills all the tasks associated with intelligent pond cleaning. The pond filter detects the temperature and can vary its capacity as

needed, and if necessary switch on the integrated UVC bulb. The result is not only optimally cleaned water, the result is also energy savings of up to 40 % compared with devices in continuous operation. So that you can enjoy clear water with as little disturbance as possible, the new Filtomatic CWS pond filter automatically frees itself of silt deposits. This leaves more leisure time for enjoyment and a clear view of the life in the pond.





THE CLEAR WATER SYSTEM



1. FILTER PUMPAQUAMAX Eco PREMIUM

The heart of the Clear Water System works reliably at a high level of energy efficiency. Even debris particles up to 10 mm in size are pumped from the pond floor into the filter – the first step towards clear water. Additional information on page 68.

2. FILTER FILTOMATIC CWS

The nutrients and pollutants are removed from the water by the filter system in biological-mechanical processes. The system monitors the water temperature and activates the integrated silt pump, as well as the UVC device as needed, and thus offers power savings of up to 40 % compared with devices in continuous operation. The filter module is available in three different sizes.

3. FILTER STARTER BIOKICK CWS

The filter starter contains microorganisms and bacteria nutrients. These ensure rapid settlement of the filter foams with the microorganisms that decompose contaminants. High-performance bacteria decompose the nutrients and detoxify the water.

4. SURFACE SKIMMER SWIMSKIM CWS

Contaminants, such as leaves and nutrients that enter the pond through the surface, also reduce the water quality. The skimmer removes these contaminants before they sink, and supplies the pond with vital oxygen. Sediment on the pond floor is stirred up and is carried into the filter via the AquaMax Eco Premium filter pump.

5. POND AERATOR OXYTEX CWS

Oxygen is important for maintaining good water quality, as it keeps the microorganisms alive. The OxyTex aerates the water, recirculates it, and thanks to its surface-optimised fibre structure, offers a large settlement surface for extra microorganisms that decompose the nutrients. The pond aerator can increase the effect of the filter by up to 25 %.

6. ROCK COVER FILTOMATIC CAP CWS

The decorative cover with a natural-sand surface protects the FiltoMatic CWS buried in the ground. The cover in rock decor is weather-resistant, and thanks to its near-natural design is integrated inconspicuously into the garden. The technology in garden installations and pond landscapes becomes virtually invisible.



FILTO Matic CWS *C

Pond manager with automatic self-cleaning



- Suitable for ponds up to 25 m³
- Intelligent pond manager through innovative control unit with temperature control display
- With improved UVC performance and filter performance
- Up to 40 % power savings thanks to UVC unit with patented self-cleaning that is activated as needed plus oxygen enrichment
- Incl. OASE Clear Water Guarantee*^C
- Virtually invisible as the filter device can be buried to 70 % of the device height
- Auto. sludge discharge through the self-cleaning function of the filter
- Convenient cleaning of the filter foams
- Optimal conditions for the filter biology thanks to long service life and high-quality filter sponges
- Less string algae through continuous removal of phosphates and nutrients
- Interval cleaning, UVC and pump function can also be controlled manually
- Optimal ratio of device dimensions and biological-mechanical cleaning capacity
- Lower costs for replacement bulbs thanks to UVC runtime meter
- Easy installation, low-maintenance and user-friendly
- Available in three different sizes

FiltoMatic 25000

- UVC with integrated stainless steel reflector for even more effective sterilisation and clarification

PRODUCT DETAILS



Automatic control unit

The innovative control system ensures energy savings through a clocked UVC unit and automatic cleaning intervals.



Filter cover

Easy to open and close with one hand. Unintentional opening is prevented through integrated lock element.



Compact design

Strong filter effect in the smallest space. With the FiltoCap the device can be hidden so that it is virtually invisible.



Cleaning

In addition to the automatic sludge discharge, the foam elements are cleaned conveniently, your hands stay clean.

TECHNICAL DATA

Matching filters and filter systems on page 68

		FiltoMatic CWS 7000	FiltoMatic CWS 14000	FiltoMatic CWS 25000
Dimensions (L x W x H)	mm	380 x 380 x 520	380 x 380 x 720	380 x 580 x 720
Rated voltage		230 V / 50 Hz		
Power consumption	W	17	27	
Power consumption cleaning	W	41	54	
Power cable length	m	10.00		
Net weight	kg	9.64	10.70	13.92
Guarantee* ^{GC} (+ request guarantee)	Years	2 + 1		
UVC power	W	11	24	
Quantity filter foams total	Unit	3		6
Pump capacity min.	l/h	2500	3500	5000
Pump capacity max.	l/h	4000	6000	8000
Connections, inlet		1 1/2"		
Connections, outlet		DN 75		
Connections, pollutant discharge		DN 40		
Suitable for ponds up to max.	m ³	7.0	14.0	25.0
Suitable for ponds with fish stock	m ³	3.5	7.0	12.5
Suitable for ponds with koi*	m ³	2.0	3.5	6.5
Item no. (GB-Version)		50909	50922	50926
Item no.		50906	50910	50925



* Note: When planning a new pond with koi stock, please ensure a minimum pond size of 5 m³!

Extras

Top 3 product characteristics

- Up to 40 % power savings thanks to UVC unit that is activated as needed
- Virtually invisible as the filter device can be buried to 70 % of the device height
- Low-maintenance and user-friendly

Recommendation

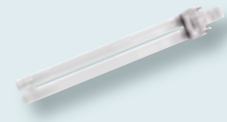
Discover the other components of the Clear Water System: The filter pump AquaMax Eco Premium, the surface skimmer SwimSkim CWS, and the Aerator OxyTex CWS.

Accessories

Replacement bulb UVC

UVC 11 W
UVC 24 W

Item no. 56112 (Page 213)
Item no. 56237 (Page 213)



Filter cartridge set

FiltoMatic CWS 7000
FiltoMatic CWS 14000
FiltoMatic CWS 25000

Item no. 50901 (Page 213)
Item no. 50904 (Page 213)
Item no. 50904 (Page 213)



Discharge pipe

Black DN 75/480 mm
Black DN 40/480 mm

Item no. 55043 (Page 215)
Item no. 50307

T-piece

Black DN 75

Item no. 55046 (Page 215)

Connection elbow

Black DN 40/45°
Black DN 75/45°
Black DN 75/87°

Item no. 50308 (Page 215)
Item no. 55044 (Page 215)
Item no. 55045 (Page 215)

Decorative rock cover

suitable for all FiltoMatic CWS filters



FiltoMatic Cap

CWS L
CWS XL

Item no. 50268 (Page 222)
Item no. 50269 (Page 222)

AquaActiv BioKick CWS 200 ml

To achieve the optimal filter effect »treatment« with OASE BioKick CWS FILTER STARTER is recommended. This should be added each time the filter is placed in service (e.g. spring).
Item no. 50295 (Page 169)





Extras



Schematic diagram: Interaction of the different CWS components

Top 3 product characteristics

- Perfect and efficient combination of filter and filter pump
- Attractive price advantage over separate purchase of the individual components
- Can be extended with the OxyTex CWS pond aerator

Recommendation

With the nearly natural rock cover FiltoMatic Cap CWS, the FiltoMatic can be integrated virtually invisibly in the pond landscape.

FILTOMATIC CWS SETS *C

Convenient filter solutions for every pond

FiltoMatic CWS



PRO

- Suitable for ponds up to 25 m³
- Ready to connect, complete filter sets
- Up to 40 % power savings thanks to UVC unit with patented self-cleaning that is activated as needed plus oxygen enrichment
- Perfect combination of flow-through filter FiltoMatic CWS with integrated UVC and energy-efficient filter pump AquaMax Eco Premium
- Intelligent pond manager through innovative control unit with temperature control display
- With improved UVC performance and filter performance
- Incl. OASE Clear Water Guarantee*^C
- Automatic sludge discharge through the self-cleaning function of the filter
- Convenient cleaning of the filter foams
- Optimal conditions for the filter biology thanks to long service life and high-quality filter sponges
- Less string algae through continuous removal of phosphates and nutrients
- Optimal ratio of device dimensions and biological-mechanical cleaning capacity
- If there is a supplemental requirement for filter capacity, if the pond is enlarged or due to increased fish stock, the set can be extended with OxyTex CWS (see selection table)
- Available in three sizes, incl 100 ml BioKick CWS

* Relative to devices in continuous operation

PRODUCT DETAILS



Automatic control unit

The innovative control system ensures energy savings through a clocked UVC unit and automatic cleaning intervals.



Compact design

Strong filter effect in the smallest space. With the FiltoCap the device can be hidden so that it is virtually invisible.

Your advantages with the set:

- Optimally matched components
- Naturally with Clear Water Guarantee*
- Attractive price advantage over separate purchase of the individual components!
- 100 ml Biokick CWS FREE!

Save with complete filter sets!

Accessories

Decorative rock cover
suitable for all FiltoMatic CWS filters



FiltoMatic Cap

CWS L Item no. 50268 (Page 222)

CWS XL Item no. 50269 (Page 222)

OxyTex CWS Set 1000

Unique pond aerator with extensive settlement surface.

Item no. 50249 (Page 140)



SwimSkim CWS

Powerful surface skimmers with supplemental whirlpool and aerator function.

Item no. 50170 (Page 151)



InScenio FM-Master 3

Wireless remote control garden power outlet for electronic adjustment.

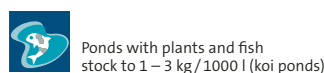
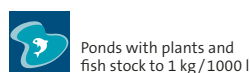
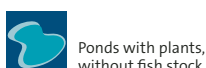
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SELECTION TABLE – FLOW-THROUGH FILTER SYSTEMS FILTOMATIC CWS

Sets	Flow-through filters	UVC power	Filter & watercourse pump	+ Aerators (accessories)	Suitable for pond volume in m ³			Item no.	Item no. (GB-Version)
Table explanations: In the marked rows you will find the FiltoMatic CWS Sets. The other groupings are additional possible combinations for different requirements and pond sizes and can be ordered individually.									
CWS Set 7000	FiltoMatic CWS 7000	11 W (UVC integrated)	AquaMax Eco Premium 4000	–	7	3.5	1.8	50865	50868
			Optionally can be used to increase filter capacity	+ OxyTex CWS Set 400	8.5	4.5	2.3		
CWS Set 14000	FiltoMatic CWS 14000	24 W (UVC integrated)	AquaMax Eco Premium 6000	–	14	7	3.5	50866	50870
			Optionally can be used to increase filter capacity	+ OxyTex CWS Set 1000	17	8.5	4.5		
CWS Set 25000	FiltoMatic CWS 25000	24 W (UVC integrated)	AquaMax Eco Premium 8000	–	25	12.5	7	50872	50873
			Optionally can be used to increase filter capacity	+ OxyTex Set CWS 2000	31	15.5	8.5		

Delivery heads ranging from 0 to 1.2 m and hose length of 5 m with a hose diameter of 1 1/2" were taken into consideration for the pond size information cited above (FiltoMatic CWS). Larger pumps should be used for longer hose lengths and/or greater delivery heads. Clear Water Guarantee* as specified by Secchi to a visual depth of 1 m.



Important note
When planning a new pond with koi stock, please ensure a minimum pond size of 5 m³!



Schematic diagram: BioTec 30 in function with a filter and watercourse pump and a Bitron C

BIOtec



Multi-zone filter for larger ponds and koi ponds



- Suitable for ponds up to 120 m³
- Multi-zone filter with special filter foams
- Highly-effective mechanical / biological decomposition of pollutants and nutrients
- Large surfaces for settlement of filter bacteria
- Coarse debris extraction through filter brushes
- Sludge drain for easy flushing out of coarse pollutants
- Easy cleaning and maintenance
- Connection possibility for OASE Bitron UVC clarifiers
- High-quality GRP material and first-class workmanship

PRODUCT DETAILS



Brushes and mat meshwork
For separating the coarse debris.



Filter foams
For optimal settlement of micro-organisms for decomposition of pollutants and nutrients.



Ball valve
The clean water outlet back to the pond lowers the water level in the filter and thus enables water-saving filter cleaning.



Discharge chamber
with DIN 110 connection.

TECHNICAL DATA

		BioTec 30
Dimensions (L x W x H)	mm	1200 x 800 x 730
Net weight	kg	82.80
Guarantee* ^G	years	3
Number of filter brushes	Unit	6
Number of filter mats	Unit	5
Quantity filter foams total	Unit	14
Quantity filter foams blue	Unit	10
Quantity filter foams red	Unit	4
Pump capacity max.	l/h	27000
Connections, inlet		1", 1 1/4", 1 1/2", 2"
Connections, outlet		DN 110
Connections, pollutant discharge		DN 75
Suitable for ponds up to max.	m³	120.0
Suitable for ponds with fish stock	m³	60.0
Suitable for ponds with koi*	m³	30.0
Connection to		Bitron C 72–110 W
Item no.		55421



* Note: When planning a new pond with koi stock, please ensure a minimum pond size of 5 m³!

Extras

Top 3 product characteristics

- Large settlement surfaces for filter bacteria
- Low maintenance multi-zone filter system
- For large ponds up to 120 m³

Recommendation

The BioTec 30 is an important component of the BIOsys filter systems, see selection table (page 115).

Matching filter and watercourse pumps:
AquaMax Eco Premium 12000/16000 (page 68), AquaMax Eco Twin 20000/30000 (page 74)

Matching UVC clarifiers:
Bitron C 72 W – 110 W (S. 134)



Accessories

Replacement foam
Blue BioTec 5/10/30 4 x Item no. 54031 (Page 213)
Red BioTec 5/10/30 2 x Item no. 54030 (Page 213)

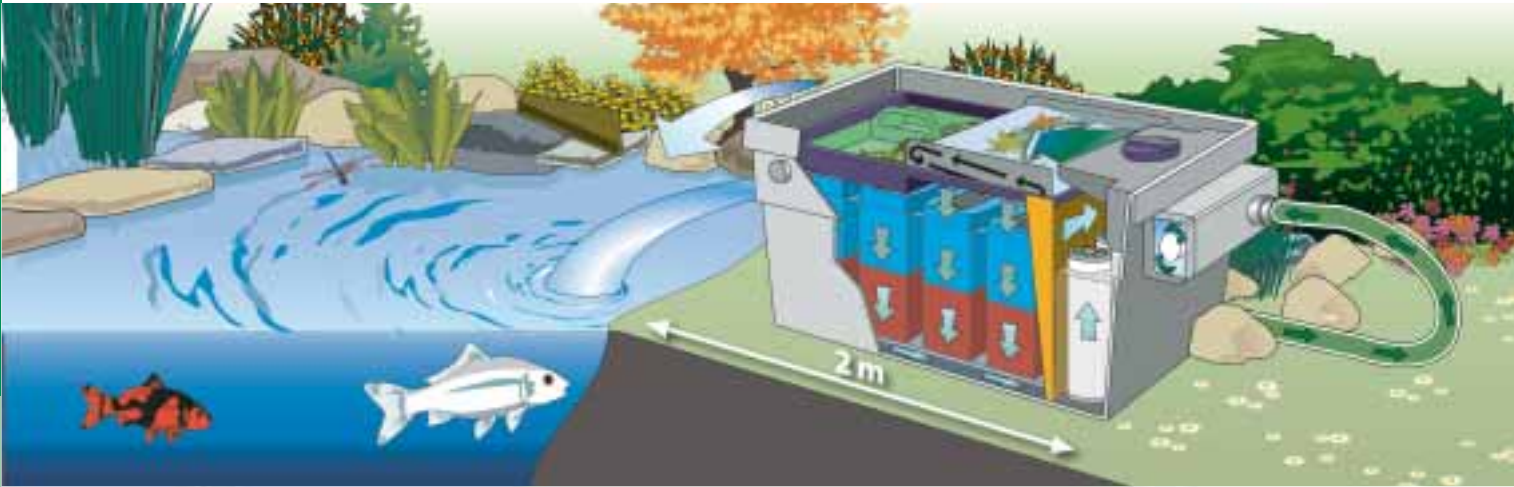
Discharge pipe
Black DN 75/480 mm Item no. 55043 (Page 215)
Black DN 110/480 mm Item no. 50427 (Page 215)

T-piece
Black DN 75 Item no. 55046 (Page 215)

Connection elbow
Black DN 75/45° Item no. 55044 (Page 215)
Black DN 75/87° Item no. 55045 (Page 215)
Black DN 110/45° Item no. 50430 (Page 215)

AquaActiv BioKick Premium
BioKick Premium, the filter starter for pros with more than 50 billion microorganisms/ml. Quickly provides adequate biology in the filter, whether at restart or after cleaning.
Item no. 51280





Schematic diagram: UVC in combination with OASE BioTec ScreenMatic

BIO TEC SCREENMATIC *C

High-performance filter with automatic coarse-debris extraction

BioTec ScreenMatic 12



BioTec ScreenMatic 36



PRO

- Suitable for ponds up to 140 m³
- Highly-effective flow-through filter also for medium-size koi ponds
- Incl. OASE Clear Water Guarantee*^C
- Significantly less filter maintenance is required thanks to coarse debris extraction at the top of the filter
- Automatically driven 30 minute interval cleaning of the ScreenMatic sieve
- Collection tank for removal of extracted coarse pollutants
- Different filter media and large settlement surface for optimal development of filter bacteria
- Flow speed of the incoming water can be adjusted individually
- Sludge drain with slide valve for removing debris from the filter system
- Convenient cleaning of filter foams directly in the filter, without removal
- Individual chamber filled with effective ammonia removing media
- Use of the PhosLess filter media tubes as needed for string algae reduction (optional accessory)
- Optimally matched to OASE AquaMax filter pumps
- Direct connection possibility for Bitron C UVC clarifiers
- New: BioTec ScreenMatic 36 now with high quality DN 110 outlet

PRODUCT DETAILS



Setup possibility

Free access to the foams 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.

TECHNICAL DATA

		BioTec ScreenMatic 12	BioTec ScreenMatic 18	BioTec ScreenMatic 36
Dimensions (L x W x H)	mm	788 x 590 x 445	788 x 590 x 545	1200 x 800 x 760
Rated voltage (primary, secondary)		230 V / 50 Hz, 12 V		
Power consumption	W	5		
Cable length 12 V device	m	2.10 (power unit) + 5.00		
Net weight	kg	19.88	23.24	88.80
Guarantee*G	Years	3		
Quantity filter foams total	Unit	16		36
Quantity filter foams blue	Unit	8		18
Quantity filter foams red	Unit	8		18
Pump capacity min.	l/h	6000		
Pump capacity max.	l/h	12000	16000	27000
Special filter granulate	kg	3.00	6.00	18.00
Coarse debris extraction	µm	300		
Connections, inlet		1", 1 ¼", 1 ½"		1", 1 ¼", 1 ½", 2"
Connections, outlet		DN 75		DN 110
Connections, pollutant discharge		DN 50		DN 75
Suitable for ponds up to max.	m³	40.0	54.0	140.0
Suitable for ponds with fish stock	m³	20.0	27.0	70.0
Suitable for ponds with koi*	m³	10.0	13.5	35.0
Connection to		Bitron C 36–110 W		
Stockist PU	Unit	2		
Item no. (GB-Version)		57213	57214	51264
Item no.		57127	57128	51259



Extras

Top 3 product characteristics

- Clear and healthy pond water with minimum maintenance requirements
- Long service life thanks to automatic coarse debris extraction
- Ideal settlement surface for micro-organisms for decomposition of pollutants and nutrients

Recommendation

The BioTec ScreenMatic flow-through filter is an important component of the BioSys filter systems, see selection table (page 115).

Matching filter and watercourse pumps:
AquaMax Eco Premium 6000 / 8000 / 10000 / 12000 / 16000 (S. 68),
AquaMax Eco Twin 20000 / 30000 (page 74)

Matching UVC clarifiers:
Bitron C 36 W – 110 W (S. 134)

Accessories

Replacement foam

Blue BioTec 12	Item no. 56738	(Page 213)
Red BioTec 12	Item no. 56739	(Page 213)
Blue BioTec 18/36	Item no. 56737	(Page 213)
Red BioTec 18/36	Item no. 56736	(Page 213)

Discharge pipe

Black DN 75/480 mm	Item no. 55043	(Page 215)
Black DN 110/480 mm	Item no. 50427	(Page 215)

Connection elbow

Black DN 75/45°	Item no. 55044	(Page 215)
Black DN 75/87°	Item no. 55045	(Page 215)
Black DN 110/45°	Item no. 50430	(Page 215)

AquaActiv PhosLess

Algae protection
Binds excess phosphates, as well as heavy metals, such as lead and copper.

Item no. 36981 (Page 171)

AquaActiv PhosLess Refill pack
Item no. 57477 (Page 171)



AquaActiv BioKick Premium
BioKick Premium, the filter starter for pros with more than 50 billion microorganisms/ml. Quickly provides adequate biology in the filter, whether at restart or after cleaning.
Item no. 51280



* Note: When planning a new pond with koi stock, please ensure a minimum pond size of 5 m³!



Extras



Top 3 product characteristics

- Including OASE Clear Water Guarantee*^C
- Filter, pump and UVC device are perfectly matched
- Easy installation

Recommendation

Filter foams should not be cleaned too often because valuable bacteria can be lost with each cleaning, and they redevelop slowly!

BIOTEC SCREENMATIC SETS



Flow-through filter systems with UVC, pump and automatic coarse debris extraction



- Suitable for ponds from 5 – 54 m³
- Ready-to-use perfectly matched complete filter sets consisting of BioTec ScreenMatic flow-through filter, self-cleaning Bitron UVC clarifier and AquaMax Eco Premium filter pump
- Incl. OASE Clear Water Guarantee*^C
- Combination of mechanical biological cleaning and effective UVC technology
- Fast and easy start-up
- Included in the scope of delivery: BioKick CWS filter starter for the initial settlement of microorganisms

Your advantages with the set:

- Optimally matched components
- Naturally with Clear Water Guarantee*^c
- Attractive price advantage over separate purchase of the individual components!
- 100 ml Biokick CWS FREE!

Save with complete filter sets!

SELECTION TABLE – FLOW-THROUGH FILTER SYSTEMS – BioTEC

Sets	Flow-through filters	UVC clarifier UVC power	Filter & watercourse pump	Suitable for pond volume in m ³			Item no.	Item no. (GB-Version)
Table explanations: In the marked rows you will find the complete BioTEC ScreenMatic Sets. The other groupings are additional possible combinations for different requirements and pond sizes and can be ordered individually.								
	BioTEC ScreenMatic 12	Bitron C 36 W	AquaMax Eco Premium 6000/12 V	20	10	5		
	BioTEC ScreenMatic 12	Bitron C 36 W	AquaMax Eco Premium 8000	28	14	7		
	BioTEC ScreenMatic 12	Bitron C 36 W	AquaMax Eco Premium 10000	30	15	8		
BioTEC ScreenMatic Set 40000	BioTEC ScreenMatic 12	Bitron C 36 W	AquaMax Eco Premium 12000	40	20	10	50875	50878
	BioTEC ScreenMatic 18	Bitron C 55 W	AquaMax Eco Premium 6000/12 V	24	12	6		
	BioTEC ScreenMatic 18	Bitron C 55 W	AquaMax Eco Premium 8000	32	16	8		
	BioTEC ScreenMatic 18	Bitron C 55 W	AquaMax Eco Premium 10000	36	18	9		
	BioTEC ScreenMatic 18	Bitron C 55 W	AquaMax Eco Premium 12000/12 V	44	22	11		
BioTEC ScreenMatic Set 54000	BioTEC ScreenMatic 18	Bitron C 55 W	AquaMax Eco Premium 16000	54	27	14	50882	50887
	BioTEC 30	Bitron C 72 W	AquaMax Eco Premium 12000/12 V	50	25	13		
	BioTEC 30	Bitron C 72 W	AquaMax Eco Premium 16000	65	32	16		
	BioTEC 30	Bitron C 72 W	AquaMax Eco Twin 20000	70	35	18		
	BioTEC 30	Bitron C 72 W	AquaMax Eco Twin 30000	100	50	25		
	BioTEC 30	Bitron C 110 W	AquaMax Eco Premium 12000/12 V	68	34	17		
	BioTEC 30	Bitron C 110 W	AquaMax Eco Premium 16000	90	45	22		
	BioTEC 30	Bitron C 110 W	AquaMax Eco Twin 20000	100	50	25		
	BioTEC 30	Bitron C 110 W	AquaMax Eco Twin 30000	120	60	30		
	BioTEC ScreenMatic 36	Bitron C 110 W	AquaMax Eco Premium 12000/12 V	80	40	20		
	BioTEC ScreenMatic 36	Bitron C 110 W	AquaMax Eco Premium 16000	110	55	25		
	BioTEC ScreenMatic 36	Bitron C 110 W	AquaMax Eco Twin 20000	120	60	30		
	BioTEC ScreenMatic 36	Bitron C 110 W	AquaMax Eco Twin 30000	140	70	35		

For the pond size specifications cited above (BioTEC) 1 m delivery head and 5 m 1 1/2" to 2" hose were taken into consideration. Larger pumps should be used for longer hose lengths and / or greater delivery heads. Clear Water Guarantee*^c in accordance with a Secchi light penetration depth of 1 m. Please note that in case of extreme temperature fluctuations, friction losses for hose lines longer than 10 m or direct sunlight due to the position of the pond (south facing) more intensive planning is required.



Ponds with plants, without fish stock



Ponds with plants and fish stock to 1 kg/1000 l



Ponds with plants and fish stock to 1 – 3 kg/1000 l (koi ponds)

Important note
When planning a new pond with koi stock, please ensure a minimum pond size of 5 m³!

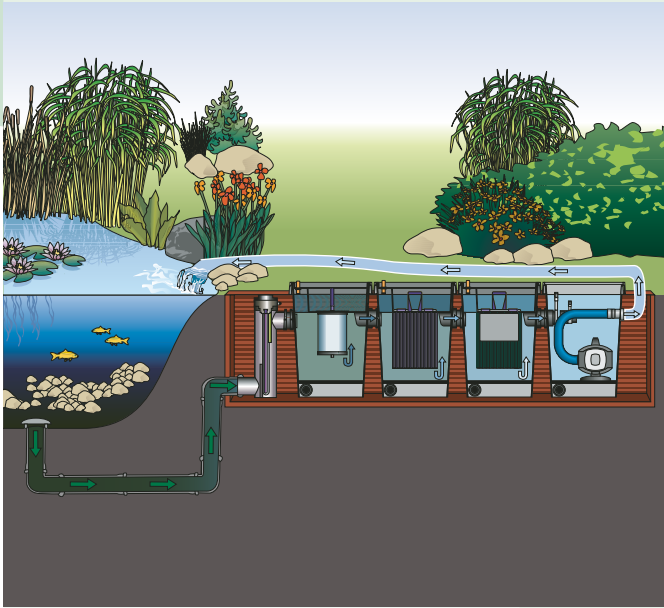
Module filters: Large ponds perfectly equipped

Owners of large natural bodies of water or swim ponds have the most rigorous requirements on the performance of filters and value of convenient operation. Koi enthusiasts, in particular want to know that flora and fauna are optimally protected. Every pond owner can extend and create the clever and powerful module filter systems from OASE, in accordance with their requirements. The filter system based on

the gravity fed principle that maintains an extremely low level of energy consumption, is particularly convincing. The filter can be concealed in the ground or under the terrace. Discover the OASE ProfiClear Premium system, proven professional filter performance and innovative functions, for example, the automatic self-cleaning and the intelligent self-monitoring functions!



Advisor



THE PROFICLEAR CLASSIC filter system consists of 4 modules that together ensure clear natural ponds, swim ponds or fish ponds.



Even koi owners can fully rely on **THE INTELLIGENT PROFICLEAR PREMIUM FILTER SYSTEM** with 3 modules, because with the fully automatic system, even koi and other ponds get outstanding water quality.

MODULE FILTERS

PROFICLEAR CLASSIC This reliable filter system is characterised by powerful filter performance and flexible modules that can be extended. These modules enable individual capacity adaptation if the pond is enlarged or if fish stock is increased.

Special features

- High filter capacity for large natural ponds and swim ponds to 200 m³
- Can be used as a gravity-fed system or as a pump fed system
- Consists of 4 modules with flexible extension possibility
- Convenient – only requires occasional, manual cleaning
- Average water circulation of 12 m³/h
- Noiseless function
- Moderate space requirements

PROFICLEAR PREMIUM This new generation of intelligent filter system is the further development of the Classic series provides incomparable filter performance and unique functions.

Special features

- First-class filter capacity for natural ponds and swim ponds up to 200 m³, in particular for koi ponds to 45 m³
- Can be used as a gravity-fed system or as a pump fed system
- Consists of 3 modules with flexible capacity extension possibility through addition of a Moving Bed module, as well as filling of the individual module
- Maximum convenience thanks to intelligent self-cleaning and reliable self-control
- Maximum water circulation of 25 m³/h
- Low-noise function
- Low space requirements

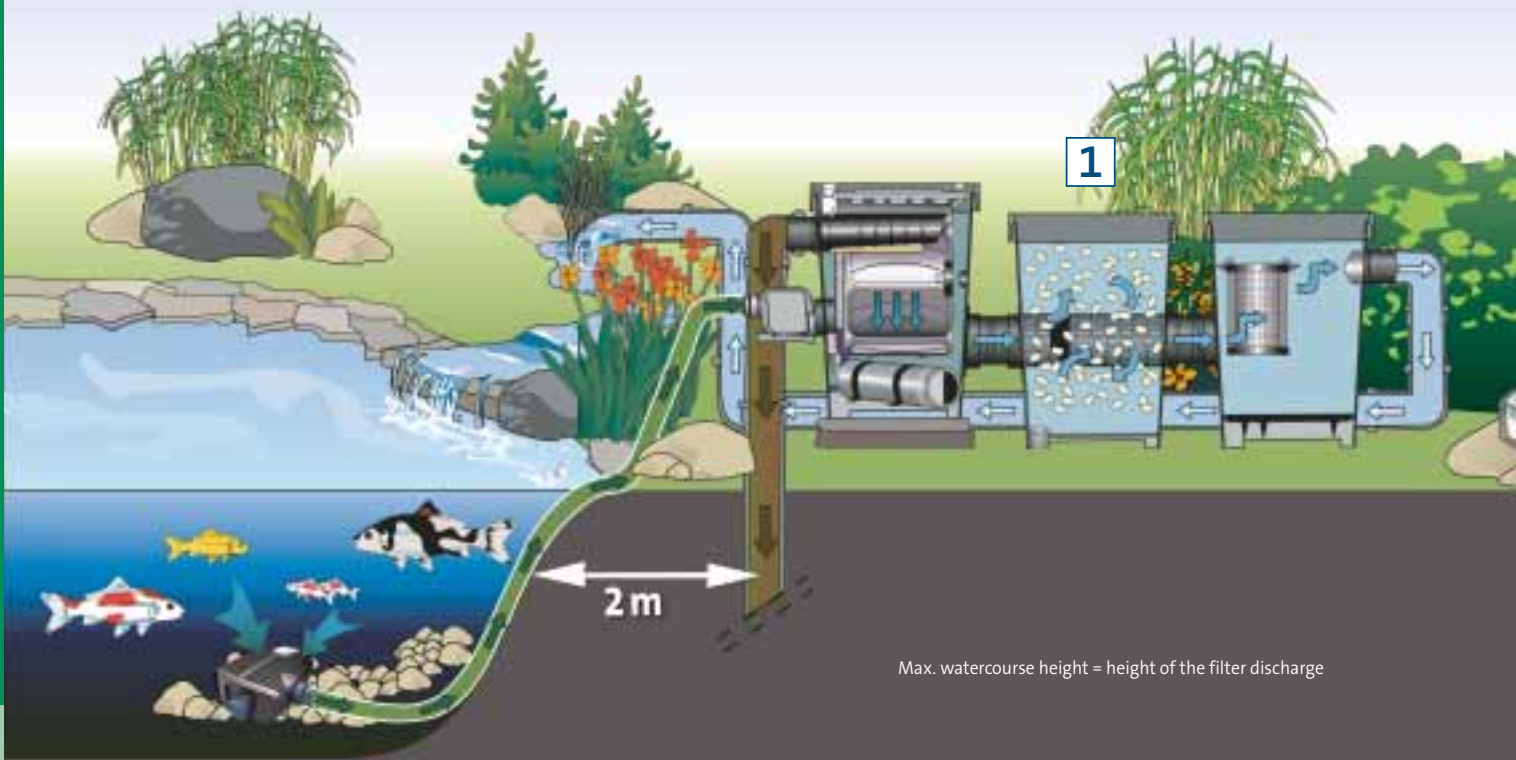
Tip!

With the AquaSkim Gravity surface skimmer you can equip your gravity-fed system with a skimmer, even if you do not have a shallow pond. Suitable for all DN 110 pipes.



The ProfiSkim Premium is suitable for pond surfaces up to 65m² and its stainless steel base enables easy installation. It is equipped with 2" and DN 110 connection possibilities and is suitable for use in gravity-fed systems, as well as in pump-fed systems.





Max. watercourse height = height of the filter discharge

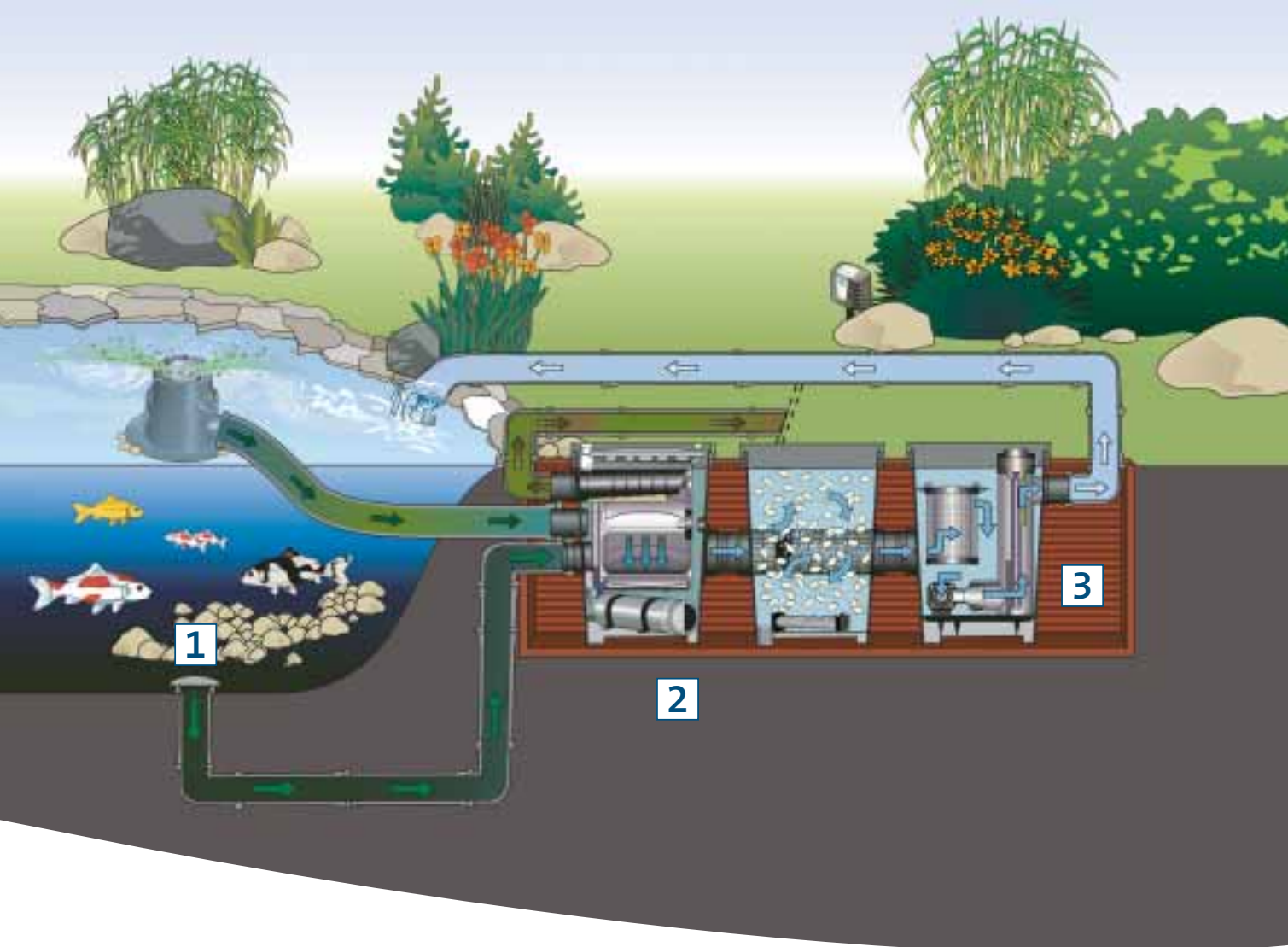
The ProfiClear modular filter systems can be operated in two different ways depending on the local conditions: In accordance with the gravity-fed principle or as a pump-fed system.

ProfiClear: Pump-fed principle

With the pump-fed principle the filter system is installed above ground, and is also above the water level of the pond. The polluted pond water is fed out of the pond or out of the levelled pump chamber and into the filter system **1** 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 in existing ponds
- Minimum installation effort
- Easy upstream installation of UVC devices (page 134)
- Easy to extend the system
- Optimally matched to OASE AquaMax Eco Twin / Premium filter pumps (page 68)



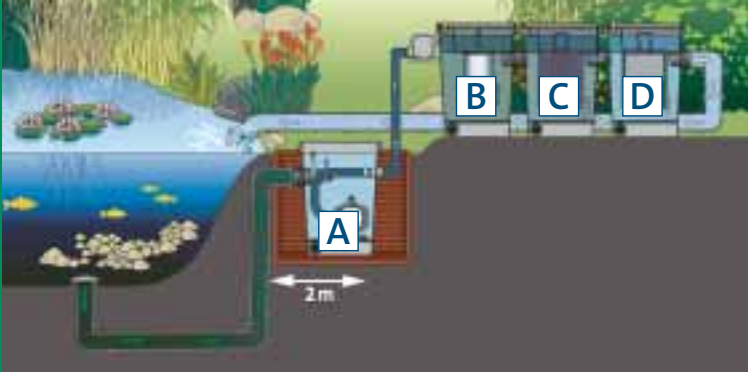
ProfiClear: Gravity-fed principle

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 end of the system and conveys the cleaned water back into the pond.

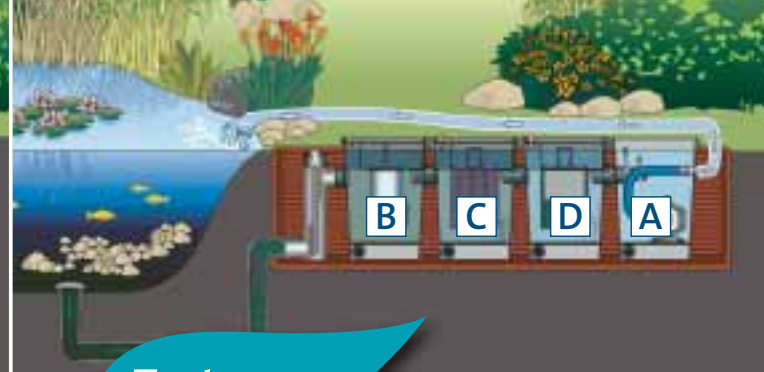
Since there are no significant height differentials to overcome, energy-efficient AquaMax Gravity Eco pumps can be used.

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 (page 136)
- Optimally matched to OASE AquaMax Gravity Eco filter pumps (page 78)



Module filter ProfiClear Classic pump fed system



Module filter ProfiClear Classic gravity fed system

Extras



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 in the energy-saving gravity-fed system

Recommendation

Matching filter and watercourse pumps:
 AquaMax Eco Premium (Page 68)
 AquaMax Gravity Eco (Page 78)

Matching UVC clarifiers:
 Bitron C 72 W / 110 W (Page 134)
 Bitron Gravity (Page 136)

PROFICLEAR CLASSIC 

Reliable modular filter system for large bodies of water

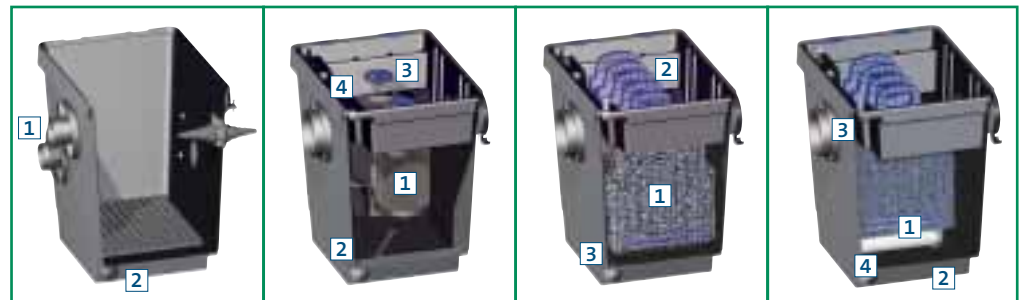
ProfiClear Classic pump chamber



PRO

- Ideal for large ponds and swim ponds up to 200 m³
- Modularly extendible filter system for individual adaptation to local conditions
- Individual solutions through 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 an 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

TECHNICAL DATA



	A	B	C	D
	ProfiClear Classic Pump chamber	ProfiClear Classic Coarse debris extractor	ProfiClear Classic Filter foam module	ProfiClear Classic Phosphate binder module
Dimensions (L x W x H)	mm 830 x 600 x 820			
Net weight	kg 34.40	36.10	40.40	43.35
Guarantee* ^{CG} (+ request guarantee)	Years 2 + 1			
Coarse debris extraction	µm -	800	-	-
Biological filter surface	m ² -	-	90.0	148.0
Special filter granulate	kg -	-	-	4.00
Quantity filter foams blue	Unit -	-	3	-
Quantity filter foams red	Unit -	-	3	-
Quantity filter foams black	Unit -	-	-	6
Inlets – ProfiClear Classic	2 x DN 110 / DN 150	1 x DN 110 / DN 150 + 2 x DN 50		
Outlets – ProfiClear Classic	1" – 2" + 1 x DN 50	1 x DN 110 / DN 150		
Connections, pollutant discharge	DN 75			
Pump capacity max.	l/h 25000	12500		
Rec. flow rate (pumped)	l/h -	8000		
Rec. flow rate (gravitation)	l/h -	6000		
Other	Pollutant discharge incl. slide valve			
Description	<p>Whether gravity-fed principle or pump-fed system – the ProfiClear Classic pump chamber ensures optimal pump position.</p> <ul style="list-style-type: none"> Filters mechanically and biologically Reduction of pressure losses Safe and standard-conformant set up for swim ponds Easy maintenance and winter care Protection against excessive silt Two inlets 1 incl. regulator for individual adjustment of the inflow Debris that accumulates in the sediment tank is flushed out via the sludge drain 2 	<p>Enables easy mechanical extraction of solids up to 800 µm.</p> <ul style="list-style-type: none"> 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 are quickly cleaned by interior and exterior brushes by operating the cleaning 3 handle A pollutant level indicator 4 signals when maintenance is required Automatic and regular cleaning is possible via the ProfiClear Screendrive (optional accessory) 	<p>Reliably removes toxins such as ammonium / ammonia or nitrite.</p> <ul style="list-style-type: none"> The water to be filtered is channelled through the coarse and fine foams 1 that contain the vital filter bacteria The oxygen necessary for the nitrification processes is supplied via connections on the housing The foams are cleaned by being compressed against the 2 intermediate floor via the cleaning levers Pulling the slide valve flushes the debris out 3 via a DN 75 discharge, which can be supported by rinsing via cleaning nozzles Incl. hose coupling for fresh water rinsing 	<p>Converts nitrate into gaseous nitrogen (denitrification) and eliminates phosphates.</p> <ul style="list-style-type: none"> A majority of the water is channelled past the filter foam 1. This establishes the low oxygen saturation that is so important for the denitrifying bacteria The lesser portion of the flow 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
Item no. (GB-Version)	56897	37108	37107	37109
Item no.	51061	51064	51065	51066





ProfiClear Premium: For the most rigorous demands. With no compromises.

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

The new generation ProfiClear Premium module filter system has been developed jointly in intensive cooperation with leading koi experts. 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 and will be extended by an additional 45 m³ or

if there is a desire for swimming. The secret is its flexibility: Depending on the use of the pond a second or even third Moving Bed module can be connected, and the Individual module can be equipped with additional filter media. In a manner that is completely uncomplicated, this increases the overall filter capacity. Even large bodies of water, such as natural ponds and swim ponds to 200 m³ remain clear.

See this new product for yourself and be inspired by the ProfiClear Premium product film!

www.oase-livingwater.com/proficlearfilm





Extras

PROFICLEAR PREMIUM

- Maximum partial removal down to 60 µm
- Automatic self-cleaning
- High flow rate of 25 m³/h for fast recirculation rates



1 Drum filter module – intelligence sets the pace.

The drum module is not only an intelligent filter system, it also removes coarse debris before the debris reaches the filter bacteria. Then the exceptional filter with a maximum flow rate of 25 m³/h ensures crystal clear water. A micro-controller system automatically monitors and controls the main functions. Maximum convenience is guaranteed; with the easy operation the automatic self-cleaning can also be individually adjusted.

2 Moving Bed Module – Hel-X ensures optimum media circulation.

In this module professional Hel-X biomedica ensure an extremely effective decomposition of nutrients and pollutants in the water. With their unusual structure they offer an incomparably large protected settlement surface for microorganisms. The moving bed process and the innovative bypass technology ensure optimal movement of the bio-media, even at high flow-through rates, as well as for self-cleaning of the dead biomass. The pre installed, aerator bar integrated in the module ensures additional oxygen.

3 Individual Module – flexible with maximum effectiveness.

Here the filter system is adapted individually to the pond and the desired use. The module offers extensive connection possibilities for additional system products, such as AquaMax Gravity Eco filter pumps or Bitron Gravity UVC clarifiers. In addition stainless steel baskets with a fill volume of 8 litres are integrated in the flow area; these baskets can be filled with additional filter media, such as active charcoal or zeolite.





New!



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 *C

Sophisticated filter system for koi ponds

Extras

Top 3 product characteristics

- New generation, sophisticated filter system for koi ponds and other large ponds
- Intelligent controller completely handles the self-cleaning
- First-class price / performance ratio

Recommendation

Matching filter and watercourse pumps:
 AquaMax Eco Premium (Page 68)
 AquaMax Gravity Eco (Page 78)

Matching UVC clarifiers:

Bitron C 72 W / 110 W (Page 134)
 Bitron Gravity (Page 136)

- Innovative 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)
- 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*«

DRUM FILTER MODULE



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

- Maximum partial removal to 60 µm and flow-through rates to 25 m³/h for a crystal clear view
- 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/GS testing certifies reliable and safe functions
- Flexible implementation possibilities; can be used in the gravity-fed system, as well as in the pump-fed system
- Safety level switch in the pumped 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
- 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 4 x DN 110 inlets (1 x optional)
- Screen elements in 150 µm mesh width optionally available as accessories



MOVING BED MODULE



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

- Extremely large, protected settlement surface for microorganisms (704 m²/m³)
- 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.
- 50 l of Hel-X decomposes approx 300 g of fish food per day (can be extended to 100 l per module with an additional aeration)
- Aerator bar for optimal 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.



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

INDIVIDUAL MODULE



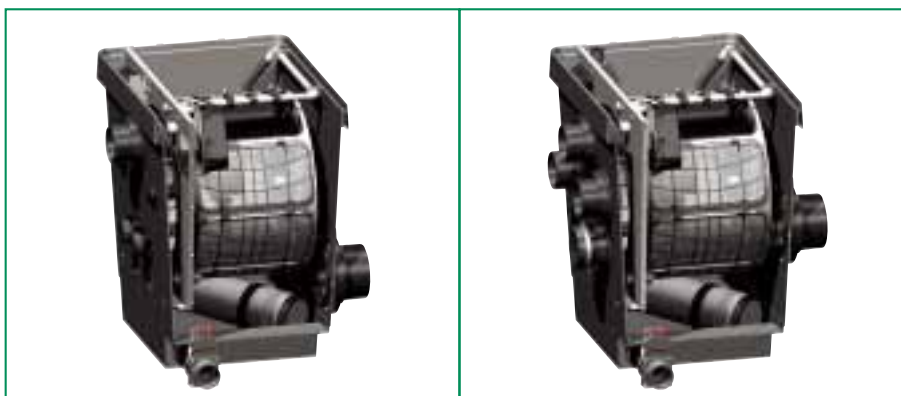
Flexible with maximum effectiveness. The filter system is flexibly aligned to the individual conditions of the body of water.

- Space-saving pump and UVC chamber for easy integration of: AquaMax Gravity Eco filter pumps and Bitron Gravity UVC clarifiers
- Maximum flexibility in the connection through DN 110 and 2" ducts
- To increase the filter capacity, it is 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



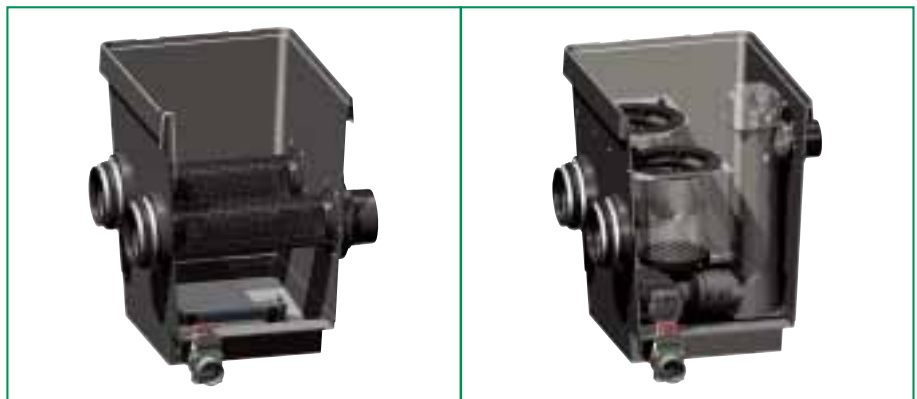
Convenient filling of the 2 individual baskets with up to 8 litres fill volume.

TECHNICAL DATA



ProfiClear Premium		1	1
ProfiClear Premium		ProfiClear Premium Drum filter pump-fed	ProfiClear Premium Drum filter gravity-fed system
Description		<ul style="list-style-type: none"> • Maximum partial removal to 60 µm and 25 m³/h (MaxFlow) • Automatic self-cleaning • A watertight microcontroller system monitors and controls the main function • VDE/GS testing certifies reliable and safe functions • Gravity fed system only: Full flexibility for the connection with up to 4 x DN 110 inlets (1 x optional) • Safety level switch in the pumped system prevents jamming due to debris particles • Massive stainless steel elements • Individually removable sieve elements (no tools required) and free-wheeling function • Incomparably quiet • High quality pressure pump is integrated for flushing the drum 	
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	1090	
Cable length	m	2.00 + 5.00	
Net weight	kg	70.00	
Guarantee*G (+ request guarantee)	Years	2 + 1	
Control unit		Microcontroller	
Temperature display		Yes	
Coarse debris extraction	µm	60.00	
Number of nozzles / flush quantity		4 x 2.5 l / min	
Flush pump		Ebara 6 bar	
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	
Connections, pollutant discharge		DN 75, DN 110	
Connection, flush trough		DN 110	
Connection to		Bitron UVC	Bitron Gravity
Litres per hour, min.	l/h	10000	
Max. flow rate	l/h	25000	
Install height above the water level	cm	40	13
Possible water level difference		5 cm	
Type of use		Pump fed system	Gravity fed system
Other		Pollutant discharge incl. slide valve	
Item no. (GB-Version)		50774	50776
Item no.		50773	50775





ProfiClear Premium		2	3
		ProfiClear Premium Moving Bed Module	ProfiClear Premium Individual Module
Description		<ul style="list-style-type: none"> Extremely large, protected settlement surface for microorganisms (704 m²/m³) Innovative bypass technology for optimal movement of the Hel-X bio-elements Removal of toxins, such as ammonium / ammonia and nitrite. 50 l of Hel-X decomposes approx 300 g of fish food per day (can be extended to 100 l / module) Aerator bar for optimal oxygen enrichment and turbulence already installed Permanent, optimal oxygen supply; self-cleaning effect from dead biomass Integrated bottom drain with high-quality, finely engineered slide valve 	<ul style="list-style-type: none"> Space-saving pump and UVC chamber Maximum flexibility in the connection through DN 110 and 2" ducts To increase the filter capacity, it is possible to fill the 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
Dimensions (L x W x H)	mm	830 x 600 x 820	
Net weight	kg	50.00	42.00
Guarantee* ⁶ (+ request guarantee)	Years	2 + 1	2 + 1
Biological filter surface	m ²	43.0	–
Biolog. filter surface protected	m ²	35.5	–
Individual granulate filter		–	2 x 8 litres
Number of sieve elements	Unit	–	2
Material		GRP	GRP / stainless steel
Number of inlets	Unit	2	2
Connections, inlet		180 mm	180 mm
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
Item no.		50772	50771




Modulfilter ProfiClear Premium pump fed system




Modulfilter ProfiClear Premium gravity fed system

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 110 W	Unit	–	–	1	1	–	2	2
Optional: Bitron Gravity	Unit	1	1	2	2	2	3	4
Pump capacity / h = 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 Fig. page 129.
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 110 W	Unit	–	–	1	1	–	2	2
Optional: Bitron Gravity	Unit	1	1	2	2	2	3	4
Pump capacity / h = 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 Fig. page 129.
This table considers the usual flow losses within the filter system.

Extras

Accessories

Replacement foam ProfiClear Classic Filter foam module

- blue, wide **Item no. 26983 Page 213**
- blue, narrow **Item no. 26984 Page 213**
- red **Item no. 27295 Page 213**

Replacement foam ProfiClear Classic Phosphate binding module

- black, narrow **Item no. 27296 Page 213**
- black, wide **Item no. 27297 Page 213**

Bottom drain BD 100

For safely connecting the pond with the ProfiClear modules.

Item no. 37143 (Page 214)



ProfiClear Screendrive

Takes over regular and automatic cleaning of the coarse debris extractor in the ProfiClear Classic coarse debris extractor.

Item no. 57094 (Page 214)



ProfiClear Guard

- Optimally compensates for water level fluctuations
- Trouble-free level detection thanks to a conductive sensor
- Complete set incl. 1/2" solenoid valve

Item no. 50951 (Page 214)



ProfiClear Premium replacement sieve set 150 µ

- 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

Item no. 50947



Discharge set ProfiClear Premium pump fed system

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

Item no. 50949




Hel-X Bio Medium 25 l

Extra media for Moving Bed Modules. Increases the biological performance. 2 x 25 l suffices for approx 300 g fish food / day.


Item no. 51060




SELECTION TABLE – PROFICLEAR PREMIUM

Natural ponds & swim ponds 			40 m ³	60 m ³	80 m ³	100 m ³	120 m ³	160 m ³	200 m ³
	Unit								
Drum filter module	Unit		1	1	1	1	1	1	1
Moving Bed filter module	Unit		1	1	1	1	2	2	2
Individual module	Unit		1	1	1	1	1	1	1
Bitron 72 W (pumped)	Unit		1	1	–	–	2	–	–
Bitron 110 W (pumped)	Unit		–	–	1	1	–	2	2
Bitron Gravity (gravity-fed system)	Unit		1	1	1	1	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
Pump capacity / h = pond size / x	Unit		8	8	8	8	8	8	8

This table considers the usual flow losses within the filter system.

With fish stock 			20 m ³	30 m ³	40 m ³	50 m ³	60 m ³	80 m ³	100 m ³
	Unit								
Drum filter module	Unit		1	1	1	1	1	1	1
Moving Bed filter module	Unit		1	1	1	1	2	2	2
Individual module	Unit		1	1	1	1	1	1	1
Bitron 72 W (pumped)	Unit		1	1	–	–	2	–	–
Bitron 110 W (pumped)	Unit		–	–	1	1	–	2	2
Bitron Gravity (gravity-fed system)	Unit		1	1	1	1	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
Pump capacity / h = pond size / x	Unit		4	4	4	4	4	4	4

This table considers the usual flow losses within the filter system.

Koi ponds 			15 m ³	20 m ³	25 m ³	45 m ³	60 m ³	70 m ³	90 m ³
	Unit								
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 (pumped)	Unit		1	1	1	2	3	3	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 / h = 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 below.
This table considers the usual flow losses within the filter system and expert recommendations for sterilisation capacity in koi ponds.

BIOLOGICAL PERFORMANCE OF THE HEL-X BIO MEDIUM IN THE MOVING BED MODULE:

50l of Hel-X decomposes approx 300g of fish food per day. If necessary, the fill level already contained can be extended from 50l to 100l (600g fish food) per Moving Bed Module with an additional aeration. **Up to 3 Moving Bed Modules per row can be inserted in succession.** Among other factors, biological performance depends on temperature, food quality and the degree to which the Hel-X is settled with microorganisms.

RULES OF THUMB

How to calculate the right 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

Note: To keep the bacterial load low in the koi pond, the Bitron Gravity should be operated with a max. flow rate of 12.5 m³/h. In this regard recirculation of 55% of the pond volume/h should be the objective. These recommendations are already considered in the table above.

Double-row configuration with ProfiClear as the example
The filter system must be operated in two filter rows that are separate from each other.


Setup – gravity fed system




Setup – pump fed system




SELECTION TABLE – PROFICLEAR PREMIUM

Natural ponds & swim ponds 			40 m ³	60 m ³	80 m ³	100 m ³	120 m ³	160 m ³	200 m ³
	Unit								
Drum filter module	Unit		1	1	1	1	1	1	1
Moving Bed filter module	Unit		1	1	1	1	2	2	2
Individual module	Unit		1	1	1	1	1	1	1
Bitron 72 W (pumped)	Unit		1	1	–	–	2	–	–
Bitron 110 W (pumped)	Unit		–	–	1	1	–	2	2
Bitron Gravity (gravity-fed system)	Unit		1	1	1	1	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
Pump capacity / h = pond size / x	Unit		8	8	8	8	8	8	8

This table considers the usual flow losses within the filter system.

With fish stock 			20 m ³	30 m ³	40 m ³	50 m ³	60 m ³	80 m ³	100 m ³
	Unit								
Drum filter module	Unit		1	1	1	1	1	1	1
Moving Bed filter module	Unit		1	1	1	1	2	2	2
Individual module	Unit		1	1	1	1	1	1	1
Bitron 72 W (pumped)	Unit		1	1	–	–	2	–	–
Bitron 110 W (pumped)	Unit		–	–	1	1	–	2	2
Bitron Gravity (gravity-fed system)	Unit		1	1	1	1	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
Pump capacity / h = pond size / x	Unit		4	4	4	4	4	4	4

This table considers the usual flow losses within the filter system.

Koi ponds 			15 m ³	20 m ³	25 m ³	45 m ³	60 m ³	70 m ³	90 m ³
	Unit								
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 (pumped)	Unit		1	1	1	2	3	3	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 / h = 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 below.
This table considers the usual flow losses within the filter system and expert recommendations for sterilisation capacity in koi ponds.

BIOLOGICAL PERFORMANCE OF THE HEL-X BIO MEDIUM IN THE MOVING BED MODULE:

50l of Hel-X decomposes approx 300g of fish food per day. If necessary, the fill level already contained can be extended from 50l to 100l (600g fish food) per Moving Bed Module with an additional aeration. **Up to 3 Moving Bed Modules per row can be inserted in succession.** Among other factors, biological performance depends on temperature, food quality and the degree to which the Hel-X is settled with microorganisms.

RULES OF THUMB

How to calculate the right 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

Note: To keep the bacterial load low in the koi pond, the Bitron Gravity should be operated with a max. flow rate of 12.5 m³/h. In this regard recirculation of 55% of the pond volume/h should be the objective. These recommendations are already considered in the table above.

Double-row configuration with ProfiClear as the example
 The filter system must be operated in two filter rows that are separate from each other.

Setup – gravity fed system



Setup – pump fed system



UVC clarifiers and aerators: Provide optimal clarity and conditions in the pond

Clear and healthy water ensures undisturbed pond enjoyment. But what happens when suspended algae or other particles turn the water green and lessen the enjoyment of the garden pond? There is a remedy. Simply place the UVC clarifier in the water circuit; ideally before your filter. The special light radiation in the interior of the UVC clar-

ifier kills off algae and bacteria, and germs are eliminated. Pond type and water volume determine the capacity your UVC device should have. The ideal supplement to a filter system is an additional oxygen supply. With the OASE aerators, as well as the new generation OxyTex CWS, you provide an optimal and healthy climate in your pond.



UVC CLARIFIERS AND AERATORS

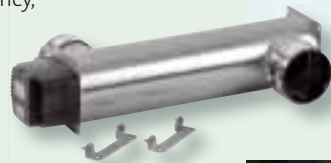
VITRONIC The OASE Vitronic is the ideal entry to the world of UVC clarifiers. The algae pumped through the housing are safely eliminated. Thanks to the visual function check the status of the UVC bulb is always shown.



BITRON C With this UVC clarifier the integrated automatic cleaning rotor continuously cleans the quartz tube and thus ensures optimal UVC radiation. The bypass technology enables high flow rates and sufficient contact time. The Bitron C is the ideal supplement for the OASE flow-through filters.



BITRON GRAVITY This stainless steel UVC clarifier is nothing other than ground breaking. Particularly suited for gravity-fed applications, it shows its worth with not only outstanding UV performance and extremely high efficiency, but also with 100 % VDE certified safety.



AQUAOXY This pond aerator ensures perfect aeration in the pond. Some models can even be set up outdoors. The air flow rate can be variably adjusted (except AquaOxy 240).



OxyTex CWS With its plant-like appearance the pond aerator is seamlessly integrated in the pond. With use of the OxyTex CWS filter capacity can be increased by as much as 25 % thanks to the large surface and extra oxygen. It is also available with an aerator pump in a set.





VITRONIC *C

Universal UVC clarifiers

Vitronic 11 W



Vitronic 18 W



Vitronic 36 W / 55 W



START

- Suitable for ponds up to 60 m³
- Elimination of suspended algae (green water)
- Reduction of harmful bacteria and pathogens
- Visual function check of the UVC bulb
- Quick-release closure for easy bulb change and cleaning of the quartz glass
- High-quality workmanship with impact-resistant plastic housing
- Easy installation thanks to an extensive range of connection accessories
- Incl. high-quality UVC bulb

PRODUCT DETAILS



High quality UVC
The use of high-quality UVC bulbs guarantees a long service life.



Stepped hose adapter
Hose adapters for the connection of ¾" to 1 ½" hoses or 1" to 1 ½" hoses included in the scope of delivery.



Inspection window
For checking the bulb function (not for Vitronic 11 W).



Closure technology
Quick-release for easy bulb change and cleaning of the quartz glass.

Extras

Top 3 product characteristics

- Clear pond water through UVC clarification
- Highly effective against suspended algae, bacteria and pathogens
- Can be combined with almost all off-the-shelf filters

Recommendation

The UVC bulbs should be changed at regular intervals, ideally in spring before the season starts, to guarantee the full-strength capacity of the UVC light waves!

Accessories

Replacement bulbs UVC

UVC 11 W
Item no. 56112 (Page 213)

UVC 18 W
Item no. 56236 (Page 213)

UVC 36 W
Item no. 55432 (Page 213)

UVC 55 W
Item no. 56636 (Page 213)

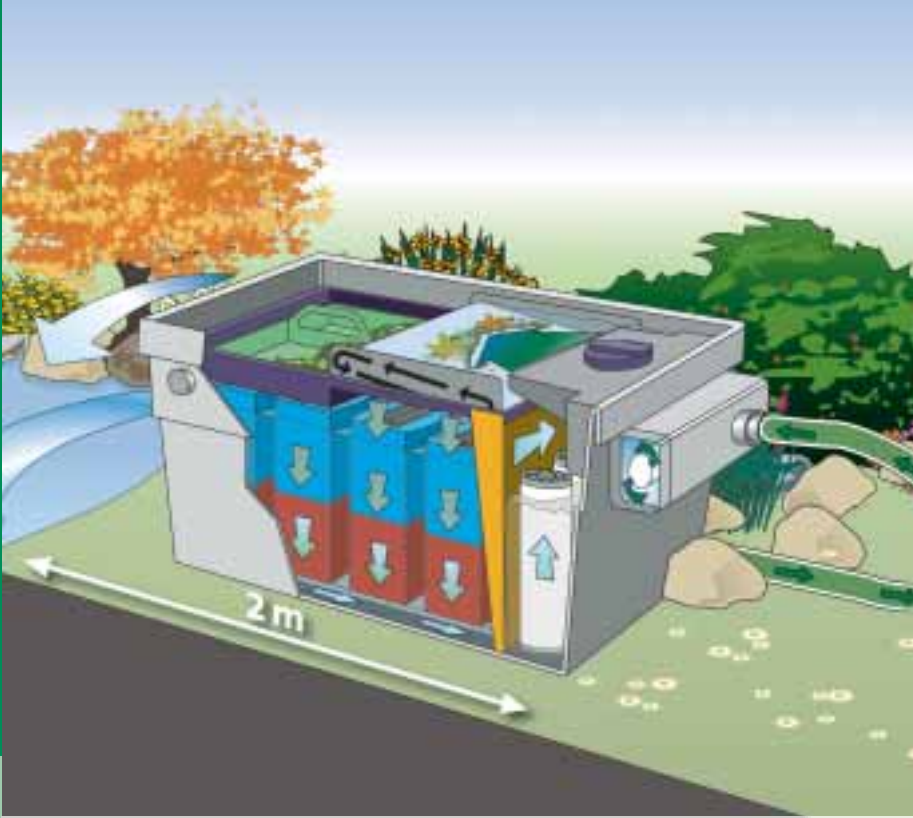


TECHNICAL DATA

		Vitronic 11 W	Vitronic 18 W	Vitronic 36 W	Vitronic 55 W
Dimensions (L x W x H)	mm	330 x 120 x 100	345 x 155 x 130	660 x 155 x 130	
Rated voltage		230 V / 50 Hz		220–240 V / 50/60 Hz	
Power consumption	W	14	18	36	55
Power cable length	m	3.00		5.00	
Net weight	kg	1.36	1.86	2.38	2.46
Guarantee* ^G	Years	2			
UVC power	W	11	18	36	55
Quantity inlets	Unit	1			
Connections, inlet		¾", 1", 1 ¼", 1 ½"		1", 1 ¼", 1 ½"	
Quantity outlets	Unit	1			
Connections, outlet		¾", 1", 1 ¼", 1 ½"		1", 1 ¼", 1 ½"	
Max. operating pressure	bar	0.50		0.60	
Pump capacity max.	l/h	2000	3500	6000	8500
Suitable for ponds up to max.	m³	10.0	20.0	40.0	60.0
Suitable for ponds with fish stock	m³	5.0	10.0	20.0	30.0
Suitable for ponds with koi*	m³	2.5	5.0	10.0	15.0
Other		Vis. function check			
Item no. (GB-Version)		50588	50589	50590	50591
Item no.		57370	57371	57372	57373



* Note: When planning a new pond with koi stock, please ensure a minimum pond size of 5 m³!



Schematic diagram: UVC in combination with OASE BioTec ScreenMatic

BITRON C *C

UVC clarifiers with patented self-cleaning and bypass technology

Bitron C 24 W



Bitron C 36 W / 55 W



Bitron C 72 W / 110 W



PRO

- Suitable for ponds up to 110 m³
- Elimination of suspended algae (green water)
- Reduction of harmful bacteria and pathogens
- UVC radiation is fully effective at all times thanks to patented, automatic bulb cleaning
- Well thought-out bypass technology enables optimum radiation
- Individual water flow adjustment for optimal adaptation to the connected filter pump
- Energy efficient thanks to electronic ballast
- Integrated magnets protect the UVC technology against limescale deposits
- Ideal supplement to the BioTec pond filter range
- Visual function check of the UVC bulb
- Quick-release closure for easy bulb replacement
- High-quality workmanship with impact-resistant plastic housing
- Incl. high-quality UVC bulb
- Including OASE Clear Water Guarantee*^C in conjunction with the OASE flow-through filters, BioSmart, BioTec and ProfiClear

PRODUCT DETAILS



Automatic cleaning rotor

The automatic cleaning rotor is continuously guided around the quartz glass tube by the water flow and prevents debris from settling.



Closure technology

Quick-release for easy opening of the bulb housing and particularly easy bulb replacement.



Throttle handle

Easy adjustment of the water flow rate.



Inspection window

The function of the UVC bulb can be checked at any time through the inspection window.

Extras

Top 3 product characteristics

- Clever bypass system combines high flow rates with optimal contact time
- Permanent self-cleaning thanks to patented cleaning rotor
- Up to 30 % energy savings through electronic ballast

Recommendation

Do not forget to replace UVC bulbs regularly, ideally in the spring!

Accessories

Replacement bulb

UVC 24 W	Item no. 56237	(Page 213)
UVC 36 W	Item no. 55432	(Page 213)
UVC 55 W	Item no. 56636	(Page 213)
UVC 72 W	2 x Item no. 55432	(Page 213)
UVC 100 W	2 x Item no. 56636	(Page 213)

Connection elbow 2" / 90° Bitron
for Bitron C 36 W – 110 W
Item no. 50540 (Page 215)



TECHNICAL DATA

Matching filter systems on page 100, 110, 112, 120, 124

		Bitron C 24 W	Bitron C 36 W	Bitron C 55 W	Bitron C 72 W	Bitron C 110 W
Dimensions (L x W x H)	mm	440 x 180 x 198	600 x 180 x 198		730 x 215 x 200	
Rated voltage		220–240 V / 50/60 Hz				
Power consumption	W	24	36	55	72	110
Power cable length	m	5.00				
Net weight	kg	3.90	4.48	4.52	6.44	6.50
Guarantee* ^G	Years	2				
UVC power	W	24	36	55	72	110
Quantity inlets	Unit	1				
Connections, inlet		1", 1¼", 1½"		¾", 1", 1¼", 1½", 2"		
Quantity outlets	Unit	2				
Connections, outlet		1", 1¼", 1½"				
Max. operating pressure	bar	0.50			1.00	
Pump capacity max.	l/h	15000	30000		40000	
Pump capacity min.	l/h	4000	8000		12000	
Suitable for ponds up to max.	m³	25.0	40.0	60.0	75.0	110.0
Suitable for ponds with fish stock	m³	12.5	20.0	30.0	37.5	55.0
Suitable for ponds with koi*	m³	6.5	10.0	15.0	19.0	27.5
Connection to		BioSmart 30000	BioSmart 30000, BioTec ScreenMatic 12–18		ProfiClear, BioTec 30, BioTec SreenMatic 36	
Other		Vis. function check				
Item no.		56620	56368	56624	56901	56902



* Note: When planning a new pond with koi stock, please ensure a minimum pond size of 5 m³!



Bitron Gravity inserted in the Individual module of the ProfiClear Premium system

BITRON GRAVITY



Highly-efficient – perfect for gravity-fed filter systems



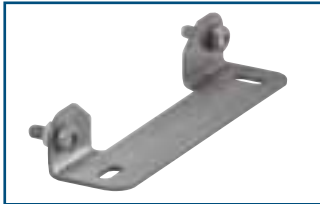
- Suitable for ponds up to 70 m³
- Extremely effective elimination of algae and reduction in pathogenic bacteria levels (to 12.5 m³/h) – similar to an immersion UVC
- 100 %, VDE-certified safety; does not cause eye injuries
- Energy efficient thanks to electronic ballast
- Effective sterilisation thanks to long exposure time in the Bitron
- Flow-optimised reactor design ensures direct and virtually loss-free UV radiation
- High-quality V4A stainless steel housing for stability and good reflection rates
- Extremely easy installation with stainless steel connection elements
- Flexible connection before or after the ProfiClear filter system – also for other gravity-fed applications
- In the event of pond enlargements or increase in koi stock, extension with additional Bitron Gravity UVC devices is possible at any time
- Visual function check
- Horizontal or vertical setup possible
- Incl. 2 x DN 110 quick-release couplings, thus easy to install
- With the adapter set (18127) it is also be suitable for pump-fed operation
- Clear water guarantee*^C when used in conjunction with OASE ProfiClear filters

PRODUCT DETAILS



High-quality V4A stainless steel housing

Provides stability and good reflection rates. Can be used even with increased salt content (dry setup).



Easy installation

Thanks to stainless steel connection elements.



Flexible installation

Possible before or after the filter system. Also ideal for other gravity-fed applications.

Extras

Top 3 product characteristics

- Unusually powerful, efficient UVC clarifier
- Extremely effective sterilisation thanks to well thought-out flow optimisation
- Extremely easy and flexible installation before or after the filter system

Recommendation

Do not forget to replace UVC bulbs regularly, ideally in the spring!

Accessories

Spare bulb UVC 55 W
Item no. 56636 (Page 213)

Discharge pipe black 110/480 mm
Item no. 50427 (Page 215)

Connection Hose Bitron Gravity
Item no. 18127

Connection elbow black 110/45°
Item no. 50430 (Page 215)



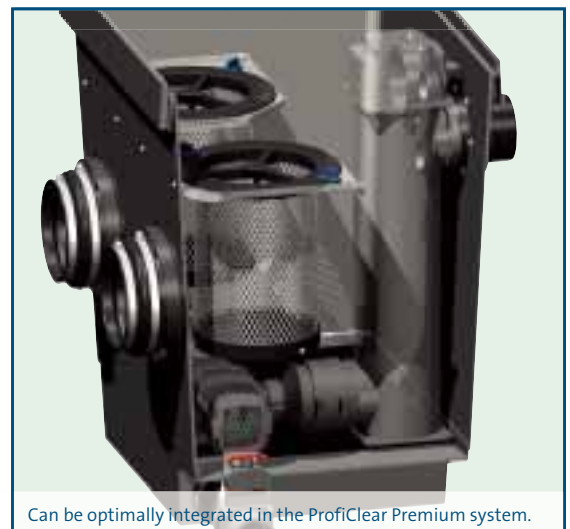
TECHNICAL DATA

Matching filter systems on page 120 and 124

		Bitron Gravity 55 W	
Dimensions (L x W x H)	mm	700 x 260 x 160	
Rated voltage		220–240 V / 50/60 Hz	
Power consumption	W	55	
Power cable length	m	5.00	
Net weight	kg	7.10	
Guarantee* ^c	years	2	
UVC power	W	55	
Quantity inlets	Unit	1	
Connections, inlet		DN 110	
Quantity outlets	Unit	1	
Connections, outlet		DN 110	
Max. operating pressure	bar	0.60	
Pump capacity max.	l/h	30000	
Rec. flow rate (gravitation)	l/h	12500	
Pump capacity min.	l/h	5000	
Suitable for ponds up to max.	m ³	70.0	
Suitable for ponds with fish stock	m ³	40.0	
Suitable for ponds with koi*	m ³	25.0	
Material		Plastic / stainless steel	
Connection to		ProfiClear, AquaMax Gravity Eco	
Type of use		Pump-fed system, gravity-fed system	
Other		Vis. function check	
Item no.		50946	



Perfect for gravity-fed filter systems on koi ponds.



Can be optimally integrated in the ProfiClear Premium system.



* Note: When planning a new pond with koi stock, please ensure a minimum pond size of 5 m³!



AQUAOXY

Oxygen supply for ponds to 50 m³



- Suitable for ponds up to 50 m³
- Optimal oxygen supply for pond fish and plants
- Safe 12 V technology for AquaOxy 400 – 2000
- Reduced noise, energy-efficient operation
- Flexible location thanks to sufficiently long hose length
- Easy and convenient handling
- Robust motor and high-quality UV-stabilised housing
- Included in the scope of delivery: Air stones and replacement membrane set

From AquaOxy CWS 400

- Air stones are wear-free
- Easily adjustable air outflow rate

AquaOxy CWS 4800

- Crafted with high-quality aluminium housing
- Thanks to the strong air flow can be used as ice preventer

PRODUCT DETAILS



Air stones

Ensure high-volume, uniform dissipation of oxygen into the water through newly designed air guidance channels. The AquaOxy 240 is delivered with a classic air stone.



Regulating valves

For connection of the silicon hoses. Easy, 0–100 % adjustment of the oxygen rate is possible.

Except AquaOxy 240

Immersion depth in meters	AquaOxy 240	AquaOxy CWS 400	AquaOxy CWS 1000	AquaOxy CWS 2000	AquaOxy CWS 4800
0.00	240 l/h	420 l/h	1000 l/h	2000 l/h	4800 l/h
0.20	200 l/h	400 l/h	900 l/h	1825 l/h	4700 l/h
0.40	150 l/h	360 l/h	800 l/h	1650 l/h	4500 l/h
0.60	120 l/h	340 l/h	720 l/h	1475 l/h	4300 l/h
0.80	80 l/h	280 l/h	650 l/h	1300 l/h	4200 l/h
1.00	40 l/h	100 l/h	600 l/h	1125 l/h	4000 l/h
1.20	–	–	550 l/h	950 l/h	3900 l/h
1.40	–	–	500 l/h	775 l/h	3750 l/h
1.60	–	–	450 l/h	600 l/h	3400 l/h
1.80	–	–	–	–	2900 l/h
2.00	–	–	–	–	2400 l/h
2.50	–	–	–	–	1600 l/h
3.00	–	–	–	–	900 l/h

The values were measured with a hose length of 5 m!

Extras

Top 3 product characteristics

- Aerator function for supplying the entire pond with oxygen
- Outdoor setup possible (AquaOxy CWS 4800 must be protected against splashing water)
- Special reduced-noise motor technology

Recommendation

The AquaOxy CWS aerator pumps are optimally matched to the OxyTex CWS. With the AquaOxy CWS 4800 an OxyTex CWS can be used at depths to 3 m.

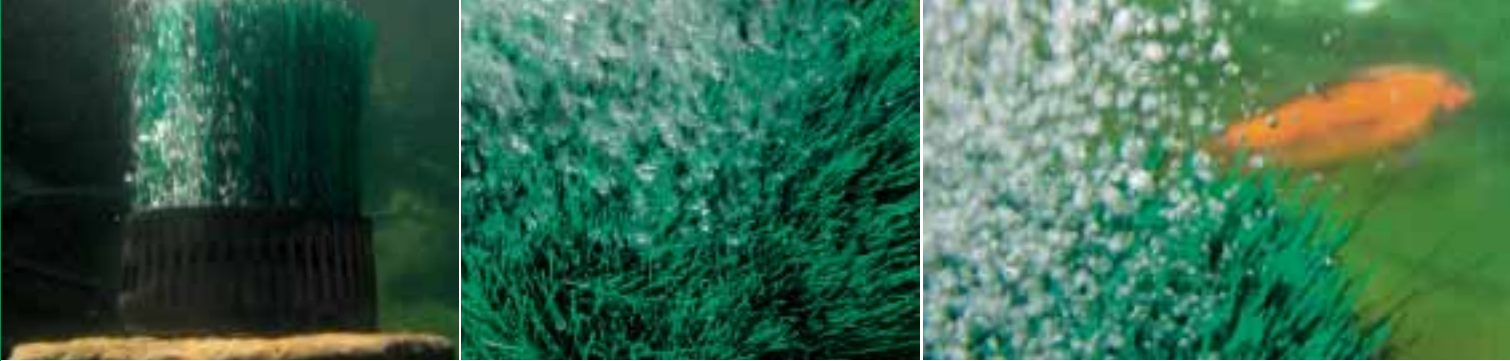
TECHNICAL DATA

		AquaOxy 240	AquaOxy CWS 400	AquaOxy CWS 1000	AquaOxy CWS 2000	AquaOxy CWS 4800
Dimensions (L x W x H)	mm	195 x 110 x 75	228 x 224 x 112	220 x 225 x 135		245 x 185 x 200
Rated voltage (primary, secondary)		–	230 V / 50 Hz, 12 V / AC			–
Rated voltage		230 V / 50 Hz	–			220–240 V / 50/60 Hz
Cable length 12 V device	m	–	2.00 (power unit) + 3,00			–
Power cable length	m	3.00	–			5.00
Power consumption	W	4	10	15	25	60
Net weight	kg	1.20	3.50	3.78	4.16	8.13
Guarantee*G	Years	2				
Max. flow rate	l/h	240	400	1000	2000	4800
Pressure	bar/m	0.14 / 1.40	0.17 / 1.70	0.20 / 2.00	0.25 / 2.50	0.35 / 3.50
Mechanical adjustment		No			Yes	
Hose (quantity/length/diameter)		1 Unit / 10 m / 4.5 mm		2 Unit / 5 m / 4.5 mm		4 Unit / 5 m / 4.5 mm
Quantity outlets	Unit	1		2		4
Suitable for ponds up to max.	m³	3.0		5.0	10.0	20.0
Outdoor suitability		Unlimited				Spray water resistant
Number of air stones	Unit	1		2		4
Item no. (GB-Version)		Not available in GB !		50465	37284	57437
Item no.		50532	50464	37125	57350	50398



* Except AquaOxy 240 / CWS 4800

** Applies for AquaOxy CWS 4800



Schematic diagram: Interaction of the different CWS components

OXYTEX CWS / SETS

Pond aerator and filter medium in one



- Unique combination of oxygen supply, circulation and nutrient decomposition
- Ample space for microorganisms thanks to surface-optimised fibre structure
- Ideal supplement for the FiltoMatic CWS and FiltoClear, filter capacities can be increased up to 25 %
- Attractive plant-effect design
- Optimised for connection to existing aerator pumps (incl. adapter for 9 mm hoses)
- Connection-ready complete sets with aerator pump AquaOxy and OxyTex CWS
- Patent applied for

PRODUCT DETAILS



OxyTex CWS

The OxyTex CWS as standalone product for previously installed aerator pumps. Incl. adapter for 9 mm hoses.



OxyTex CWS Set 400

The OxyTex Set CWS Set 400, consisting of an OxyTex CWS 400 and a high-performance AquaOxy CWS 400 pond aeration pump.



OxyTex CWS Set 1000

The OxyTex Set CWS Set 1000, consisting of an OxyTex CWS 1000 and a high-performance AquaOxy CWS 1000 pond aeration pump.



OxyTex CWS Set 2000

The OxyTex Set CWS Set 2000, consisting of 2 OxyTex CWS 1000's and a high-performance AquaOxy CWS 2000 pond aeration pump.

Extras

Top 3 product characteristics

- Unique combination of aeration, circulation and settlement surfaces
- Harmonises with the surroundings thanks to plant-effect design
- Increases overall filter capacity up to 25 %

Recommendation

With an AquaOxy CWS 4800 (page 139), either up to four OxyTex CWS 1000 units can be operated at a max. depth of 1.5 m or a single unit can be operated at a max. depth of 3 m. The individual OxyTex 400 and 1000 units can be operated with a max. flow rate of 400 or 1000 l/h. Here as well the AquaOxy 400 – 4800 (page 139) are optimally matched.

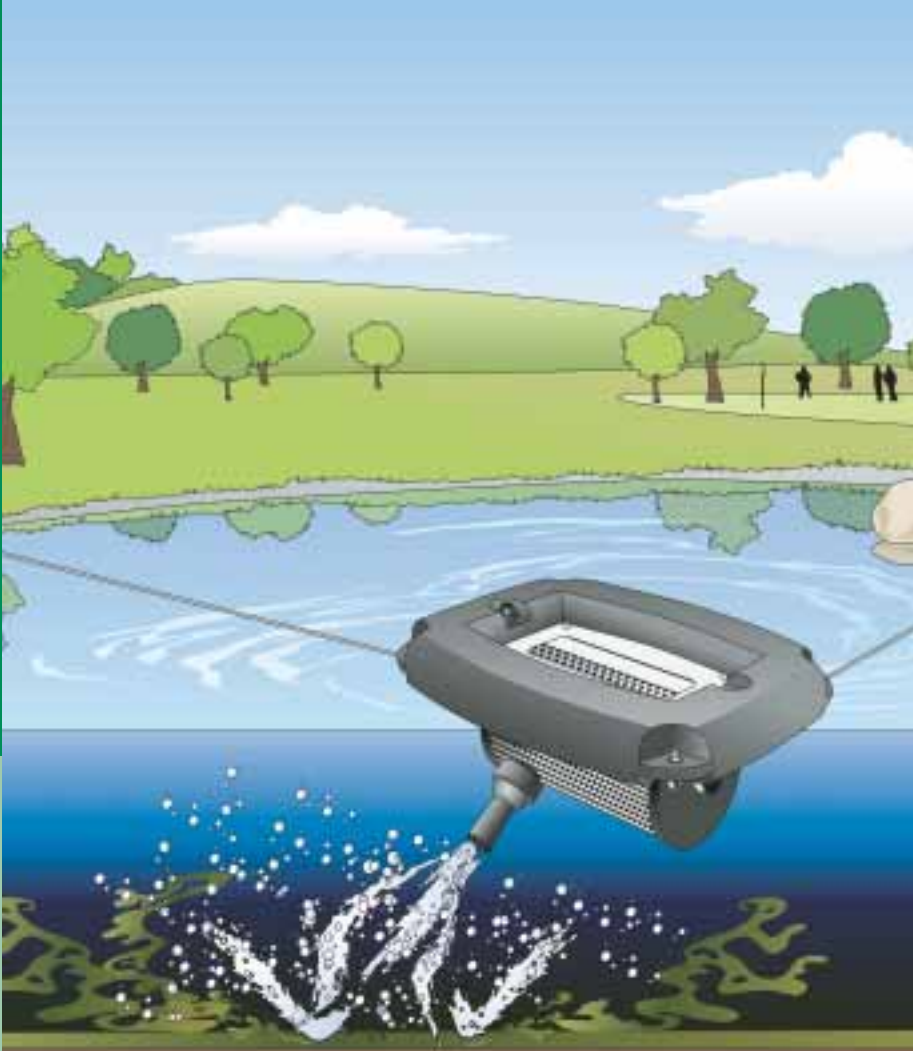
TECHNICAL DATA

		OxyTex CWS 400	OxyTex CWS 1000	OxyTex CWS Set 400	OxyTex CWS Set 1000	OxyTex CWS Set 2000
Dimensions (Ø x H)	mm	144 x 290	220 x 300	144 x 290	220 x 300	
Rated voltage (primary, secondary)		–	–	230 V / 50 Hz, 12 V / AC		
Power consumption	W	–	–	10	15	25
Cable length 12 V device	m	–	–	2.00 (power unit) + 3.00		
Net weight	kg	0.42	1.90	4.15	5.58	7.72
Guarantee* ^G	Years	2				
Biological filter surface	m ²	1.5	3.5	1.5	3.5	7.0
Max. operating pressure	bar	0.40				
Pump capacity max.	l/h	400	1000	400	1000	2000
Hose (quantity / length / diameter)		1 UNIT / 5 m / 4.5 mm		2 UNIT / 5 m / 4.5 mm		
Increase in filter capacity		Up to 10 %	Up to 25 %	Up to 10 %		Up to 25 %
Other		1 OxyTex, incl. 9 mm adapter		1 OxyTex		2 OxyTex
Item no. (GB-Version)		–	–	50445	50276	50277
Item no.		50443	50290	50444	50249	50275



* Except AquaOxy 240 / CWS 4800

** Applies for AquaOxy CWS 4800



Schematic diagram: Pond aerator AquaAir 250 in use – optimally distributes oxygen in the pond

AQUAAIR 250

*Focussed oxygen enrichment –
easy installation*



- Suitable for pond surfaces up to 250 m²
- Adjustable injector nozzle for optimal oxygen input with depth penetration to 4 m
- High flow speeds get standing water moving
- Extremely long service life thanks to high-quality workmanship and stainless steel elements
- Low-noise underwater operation
- Fastening material included in the scope of delivery
- Optimal oxygen supply thanks to small bubbles

PRODUCT DETAILS



Injector nozzle
Adjustable injector nozzle for focussed oxygen input.



Professional oxygen supply
Powerful pump with Venturi principle enables optimal oxygen supply in small bubbles.



Stainless steel basket
High-quality design with corrosion-resistant filter basket and suspension element.



Fastening material
Easy, secure anchoring of the aerator thanks to the fastening material (2 x 20 meter, steel ropes) included in the scope of delivery.

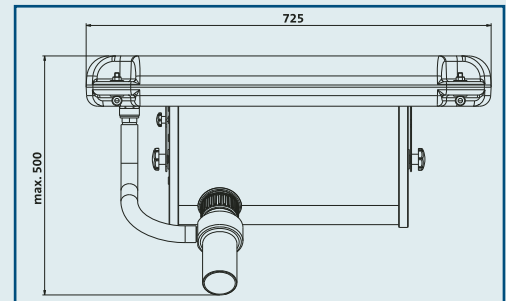
Extras

Top 3 product characteristics

- Injector nozzle for optimum oxygen distribution even on the pond floor
- Penetration depth to 4 m
- High-quality, durable workmanship with stainless steel

Recommendation

Pay attention to the placement of the AquaAir – it performs to its full capacity in quiet edge areas that are particularly low in oxygen where air flow is inadequate.



TECHNICAL DATA

		AquaAir 250
Dimensions (L x W x H)	mm	725 x 555 x 310
Rated voltage		230 V / 50 Hz
Power consumption	W	650
Power cable length	m	30.00
Net weight	kg	28.00
Guarantee* ^G	Years	2
Max. flow rate	l/h	30000
Water depth, min.	m	0.50
Filter intake surface	cm ²	3000
Suitable for ponds up to max.	m ³	250.0
Item no.		57479



Before: Standing water with excessive algae formation



After: Uniform oxygen enrichment plus circulation





Application examples: Three sizes of the trumpet nozzle pattern are included – two additional nozzle patterns can be retrofitted (top centre and right)

AIRFLO

Strong combination of oxygen supply and fountain for ponds and large bodies of water



- Floating aerator for oxygen supply through powerful water patterns for water surfaces up to 15,000 m²
- Axial propeller technology for water flow rates up to 295,000 l/h
- Maximum oxygen supply for any large body of water
- Easy installation and maintenance through bayonet technology
- Foamed float for extraordinary stability and noise reduction
- Pump basket of corrosion-resistant stainless steel
- Included in the scope of delivery: Fastening set, as well as 3 »Trumpet« type nozzle attachments
- LED Lighting sets with stainless steel holder available as an accessory

PRODUCT DETAILS



Bayonet technology
for easy mounting.



Fastening material
Easy, secure anchoring of the aerator thanks to the fastening material (3 x 30 meter, steel ropes) included in the scope of delivery.



Earthing pin plug + control box
The 230V version is delivered ready-to-operate with control box.

CEE-connector + protection switch
The 400 V version comes with a ready-to-connect, 5-pole CEE connector and motor protection switch.



1.5 kW Nozzle Superior L		4 kW Nozzle Superior XL		1.5 kW Nozzle Okanagan L		4 kW Nozzle Okanagan XL	
Ø m	H m	Ø m	H m	Ø m	H m	Ø m	H m
7	2	10	3.65	6	2	2	3
50349		50350		50333		50348	

TECHNICAL DATA

	AirFlo	
	1.5 kW / 230 V	4.0 kW / 400 V
Dimensions (Ø x H)	mm 1150 x 700	1150 x 950
Rated voltage	230 V / 50 Hz	400 V / 50 Hz
Power	kW 1.500	4.000
Power cable length	m 50.00	
Net weight	kg 35.50	49.50
Guarantee*G	Years 2	
Rated current	A 10.2	9.6
Max. flow rate	l/h 165000	295000
Water depth, min.	m 0.90	1.15
Winterproof	No	
Coarse debris displacement, max.	mm 12	
Item no.	50183	50185

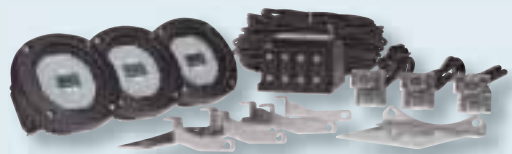


Extras

Top 3 product characteristics

- High-performance aerator and decorative floating fountain in one
- Fast and easy installation and water pattern change
- Variable number of lights (max. 3 x 3 sets) can be retrofitted

Accessories



Illumination set MIDI/MAXI/AirFlo LED/01
This set supplies an atmospheric, illuminated fountain in the twilight hours and consists of:

- 3 LunAqua 10 LED spotlights
- 3 stainless steel holders
- 1 underwater transformer incl. special holder
- 50 m cable

Item no. 50479

Body of water size	AirFlo 1.5 kW	AirFlo 4 kW
Body of water size at least	m² 100	500
Vis. effect for bodies of water up to	m² 5000	15000
Suction depth, max.	m 4.00	5.00

Power data of the 3 »Trumpet« type AirFlo water patterns (Included in the scope of delivery)	AirFlo 1.5 kW	AirFlo 4 kW
Water pattern »Trumpet« M		
Flow rate	l/h 165000	295000
Fountain height x width*	m 0.8 x 3.5	1.5 x 6
Water pattern »Trumpet« L		
Flow rate	l/h 155000	265000
Fountain height x width*	m 1 x 5	2 x 8
Water pattern »Trumpet« XL		
Flow rate	l/h 120000	225000
Fountain height x width*	m 2 x 6	3.0 x 10

* Guide values

CLEANING & CARE

Skimmers & pond / pool vacuums

- 148 Advisor – skimmers and pond vacuums
- 150 SwimSkim 25
- 151 SwimSkim CWS
- 152 AquaSkim
- 153 BioSys Skimmer +
- 154 ProfiSkim 100 / ProfiSkim Premium
- 155 Skimmer 250
- 156 Pond vacuum PondoVac Classic
- 158 Pond / pool vacuum PondoVac 4

Pond care

- 162 Useful pond helpers
- 164 Icefree ice preventer
- 165 Pond care – it's easy
- 166 Pond care AquaActiv
- 174 Pond medicine

CLEANING AND CARE: HELPING IN ALL SEASONS

True beauty comes from within and must be cultivated. The quality of your pond water is crucial for the overall biological balance. With OASE you easily succeed in this regard.

In the course of a year your pond experiences different development phases and in the process is subjected to a variety of stresses. A number of new products that are even better adapted to the respective

conditions now enhance the OASE pond care product line. These include the clever pond vacuums or surface skimmers of the AquaSkim series. They remove coarse pollutants before they burden the water quality. New additions are the extremely powerful ice preventer, IceFree Thermo 200 und 330. The FlexiCut 2 in 1 pond scissors for pond plant care are also new.



*»The best care
for my pond!«*

**Discover
the new
products!**

AquaSkim,
BioKick Premium,
IceFree Thermo,
FlexiCut

The clearly structured AquaActiv pond care product line also offers new products. For example, high-performance starter cultures, such as BioKick Premium, protection against algae growth through PhosLess or ALGo Bio Protect, as well as biological pond care via BioKick Care. With the proven QuickStick you can test water quality and can then react

appropriately with products from the OASE 3-step plan, you keep your garden pond algae free. The pond care program is perfectly supplemented by OASE fish medicine, which gently and highly effectively ensures the well-being of your fish. Learn more on the following pages.



Skimmers and pond vacuums: High-power suction for clean, healthy water

Observing the change of seasons around the pond is one of the nicest experiences in the garden. However, if pollen in the spring or falling leaves in the autumn impair the quality of the water, then help is required. Plant remnants make the pond surface turbid and the nutrients input into the pond in this manner allow algae to grow rapidly.

Skimmers keep the water clean by removing contaminants before they sink to the bottom of the pond. Now and again it is also necessary to vacuum the pond floor and remove floor silt. The PondoVac pond and pool vacuum has been the ideal helper for these tasks for more than 10 years.



AN ICE PREVENTER in winter ensures that there is a gap in the ice cover. This gap allows harmful fermentation gases to escape and ensures oxygen exchange. Your pond inhabitants safely get through the winter. New in the product line are the powerful ice preventers, **IceFree Thermo 200 and 330** – the solution for extreme below-freezing temperatures and shallow ponds. Read more on page 164.



SURFACE SKIMMERS

SWIMSKIM CWS

The floating skimmer powerfully cleans a pond surface of up to 50 m². Thanks to its unique outlet and aerator functions, sedimentation on the pond floor is prevented and in addition, oxygen is introduced into the pond.



AQUASKIM This stable skimmer reliably ensures clear water surfaces for ponds up to 40 m². Ideally connected on the second inlet of the AquaMax Eco Premium 4000–16000, it powerfully pulls debris particles into a collection basket that can be easily removed for cleaning.



Tip!

Useful pond helpers for relaxed work in the garden pond – pond nets, pond pliers and the new flexi tool. Additional products and information starting on page 162.



POND VACUUMS

PONDVAC CLASSIC is a perfect wet and dry vacuum for pond and household! Equipped with 4 different suction nozzles it effectively removes any type of debris, algae and silt to a maximum depth of 2 m.



POND & POOL VACUUMS

PONDVAC 4 The convenient pond and pool vacuum is equipped with 5 suction nozzles and also with high-quality aluminium suction pipes. With rated power of 1,700 watts, it vacuums continuously at a maximum depth of 2.4 m. It is a practical helper for garden ponds, pools, and swim ponds, as well as a wet vacuum in the household.

