

Schematic diagram: UVC clarifiers in combination with OASE flow-through filter BioTec Premium

BioTEC PREMIUM



* P. 310

Compact high-performance filter with drum filter technology



PRO

- Intelligent filter system for near-to-nature ponds up to 80 m³ and fish ponds up to 40 m³
- The automatic coarse debris extraction easily flushes the waste out of the filter, thanks to drum filter technology
- Long service life and high quality filter sponges offer the best conditions for the filter bacteria
- Outstanding filter capacity with intelligent control functions
- A watertight microcontroller system monitors and controls the main functions, operation is as easy as child's play (plug & play)
- The filter is flushed only by cleaned pond water. Therefore a fresh water connection is not required.
- Powerful, high-quality pressure pump is integrated for flushing the drum
- Incomparably quiet through extensive noise damping
- Excellent filtration capacity to 125 µm and flow-through rates up to 12,500 l/h for a crystal clear view
- Individually removable sieve elements (no tools required) and free-wheeling functions for easy access to the drum interior
- Pollutant rakes on the sieves for reliable removal of string algae and other larger particles from the drum
- Less string algae through continuous removal of phosphates and nutrients
- Pollutant discharge incl. slide valve
- Innovative and reliable product »made in Germany*«
(*except pressure pump)

PRODUCT DETAILS



Clever drum filter technology

The innovative and self-cleaning preliminary separator reliably separates water and solid particles to 150 micron. And it separates without additional cleaning effort.



Intelligent switch centre

A watertight microcontroller system monitors and controls the main functions, operation is as easy as child's play (plug & play)



Hard-working filter biology

In the integrated filter foams, microorganisms can do their work perfectly and decompose harmful nutrients. The long service intervals due to the preliminary separation function are optimal for this purpose. Including convenient cleaning - you do not have to get your hands dirty.

TECHNICAL DATAS

		BioTec Premium 80000
Dimensions (L x W x H)	mm	885 x 675 x 820
Rated voltage		230 V / 50 Hz
Power consumption	W	5
Power consumption cleaning	W	670
Cable length	m	5.00 + 1.00
Net weight	kg	70.00
Guarantee (+ request guarantee) * P. 310	Years	2 + 1
Control unit		Microcontroller
Temperature display		Digital
Coarse debris extraction	µm	125
Number of nozzles / cleaning flow rate		1 x 4.0 l/min
Scavenging pump		4 bar
Automatic self cleaning		manually, Sensor, Time interval
Material		GRP Duroplast/stainless steel
Number of blue filter foams	EA	2
Number of red filter foams	EA	2
Number of purple filter foams	EA	2
Number of inlets	EA	1
Connection inlet		1 x 2" + Bitron
Connection to		Bitron C 36 - 110 W, Bitron Eco 120 - 240 W, ProfiClear Classic
Number of outlets	EA	1
Connections, outlet		DN 110
Connections, sludge discharge		DN 75
Connection mud drain		DN 110
Min. flow rate	l/h	7500
Max. flow rate	l/h	12500
Suitable for ponds up to max.	m³	80.0
Suitable for ponds with fish stock	m³	40.0
Suitable for ponds with koi ¹⁾	m³	20.0
Installation height above water level	cm	51.0
Item no. (GB-Version)		56915
Item no.		56755



Extras

Top product characteristics

- Innovative filter system with extremely effective filter capacity
- Intelligent controller system with easy operation monitors and displays the core functions.
- Professional drum filter technology for long service intervals ensures efficient utilisation of the filter biology

Recommendation

If you need a higher biological capacity, simply supplement the BioTec Premium with additional modules of the ProfiClear Classic series.



Accessories

Filtercartridge set
BioTec Premium 80000
Item no. 40456 (page 142)



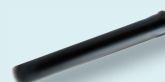
ProfiClear Compact / BioTec Premium sieve set 60 µ
Increases the separating capacity of the drum filter for maximum water clarity.

- Contents: 6 sieve elements
- Note: The cleaning cycles and the associated water consumption increase when using this set.

Item no. 43600



Discharge pipe
black DN 75/480 mm
Item no. 55043 (page 280)
black DN 110/480 mm
Item no. 50427 (page 280)



Connection elbow
black DN 75/45°
Item no. 55044 (page 280)
black DN 110/45°
Item no. 50430 (page 280)



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 (page 197)

