

Amazing Water

Purifying
Moving
Designing
Vitalising
Lighting
Installation



VarioPress® Pro E pressure filters
Programme and technical specifications 2023

WATER PURIFICATION

A VarioPress® pressure filter is an easy-to-operate closed filter system, which keeps ponds clear and vital.

The filter pack absorbs all dirt particles carried along by a pond pump, and the integrated UV-c device keeps the pond free of green floating algae.

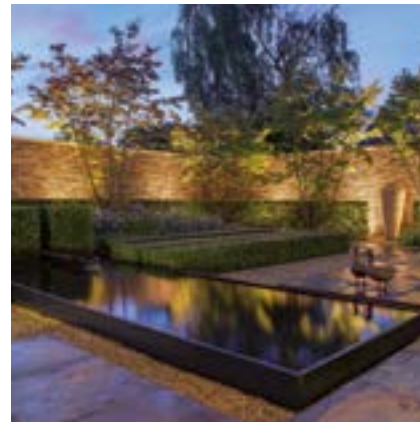
Watch
video
here



Fountain ponds.



Ornamental ponds.



Reflecting ponds.

Everything you want to know about a pressure filter

A crystal-clear pond. That is obviously what everyone wants. A pressure filter helps to ensure this. With a pressure filter you ensure clean water and fight algae with one system.

What is a pressure filter

A pressure filter is an easy-to-use, closed pond filtration system. Pressure filters are suitable for all types of ponds. A pressure filter keeps the water in a pond clean and clear.

A pressure filter is a completely closed system. Water flowing through the filter cannot overflow. This is the case with open filter systems such as bank filters or multi-chamber filters.

How a pressure filter works

Because it is a closed system, the pump pressure is maintained, allowing water to pass through a pipe after the filter. The water can even be fed upwards to a limited extent to a waterfall, for example. This is a big advantage over open filter systems, as there water flows back down under free fall. In addition, a pressure filter can be partially buried or set up in a filter well in the most suitable location near a pond. This is another big advantage, as it allows a pressure filter to be placed out of sight!

AUGA pressure filters purify pond water and fight algae

AUGA pressure filters have a built-in UV-c device which fights green floating algae and filters it out immediately with the built-in filter set.

Cleaning a pressure filter

• Manual cleaning

The starter series VarioPress pressure filters come with manual cleaning. A simple, easy and cheap system! The filter mats are compressed, causing dirt to be discharged with water through the filter's dirt drainage connection.

• Electric cleaning

If you want more comfort as well as greater filter capacity, choose the VarioPress® Pro-E series. It can treat ponds up to 75m³ in volume. Cleaning work is reduced to turning the backwash lever on the filter. This starts the cleaning process electrically, as the E series has a built-in electric motor.

And what about the pressure?

All pressure filters are designed for optimum purification at a low pump pressure and the lowest possible energy consumption. After all, the more pump pressure a pump has to deliver, the more energy is consumed. Because pond filter systems are in operation 24/7 to maintain the biological balance in a pond, you naturally want to avoid unnecessary energy consumption.

Pressure filters are therefore low-pressure filters. Connecting too large pumps, too small pipes or too much delivery head after the filter can cause leakage. This means the filter, pump and application must be well matched. The maximum pressure may be 0.3 Bar, which is the sum of pump pressure and delivery head of water to the highest point, counted from the water level.

The pressure in the filter also rises if the filter pack becomes saturated and is not cleaned in good time. The advice is to rinse briefly at least once a week depending on the degree of soiling.



Pressure filter series VarioPress® Pro E

The VarioPress® Pro-E series features a large filter set cleaned by the electrically driven AUTO-CLEAN system which starts when the cleaning lever is turned. The built-in UV-c lamp can be set to burn at times as desired with the built-in timer at 24-12-0 hours.

Type	Pond volume m³			UV-C W	Connections			Tank volume Litres	Dimensions ø x h (cm) mm	Article number
	Without plant and fish	With plant and fish (not koi)	Only plants		in/mm	out/mm	inches"			
VarioPress® Pro E-15	15	10	25	24	40/32	40	3 x 1½"	38	385 x 760	201113
VarioPress® Pro E-25	25	13	30	36	50/40	50	3 x 2"	50	450 x 560	201114
VarioPress® Pro E-35	35	20	50	55	50	50	3 x 2"	75	450 x 725	201115
VarioPress® Pro E-55	55	35	60	55	50	50	3 x 2"	170	600 x 825	201116
VarioPress® Pro E-70	70	40	75	55	50	50	3 x 2"	300	750 x 890	201117

Features

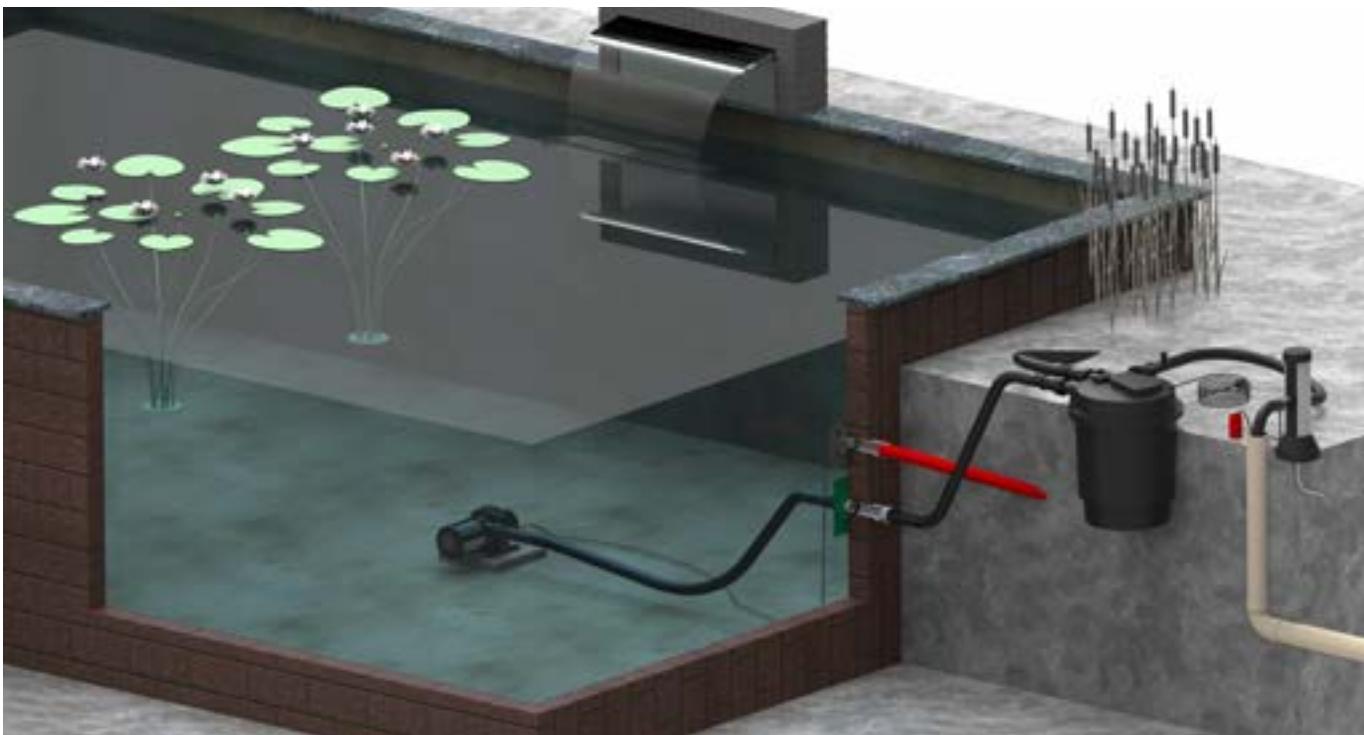
- Double action filter technology with filter sponge pack and Bio-Cell filter beads.
- Mechanical and biological purification.
- Integrated UV-C lamp with time setting.
- AUTO-CLEAN electrically powered cleaning system.
- Protection class IP 67, maximum protection against moisture.
- Extremely easy to open and periodically maintain.
- Acoustic signal during cleaning and after cleaning.
- 5-metre power cable.
- 3-year warranty in accordance with the general conditions.



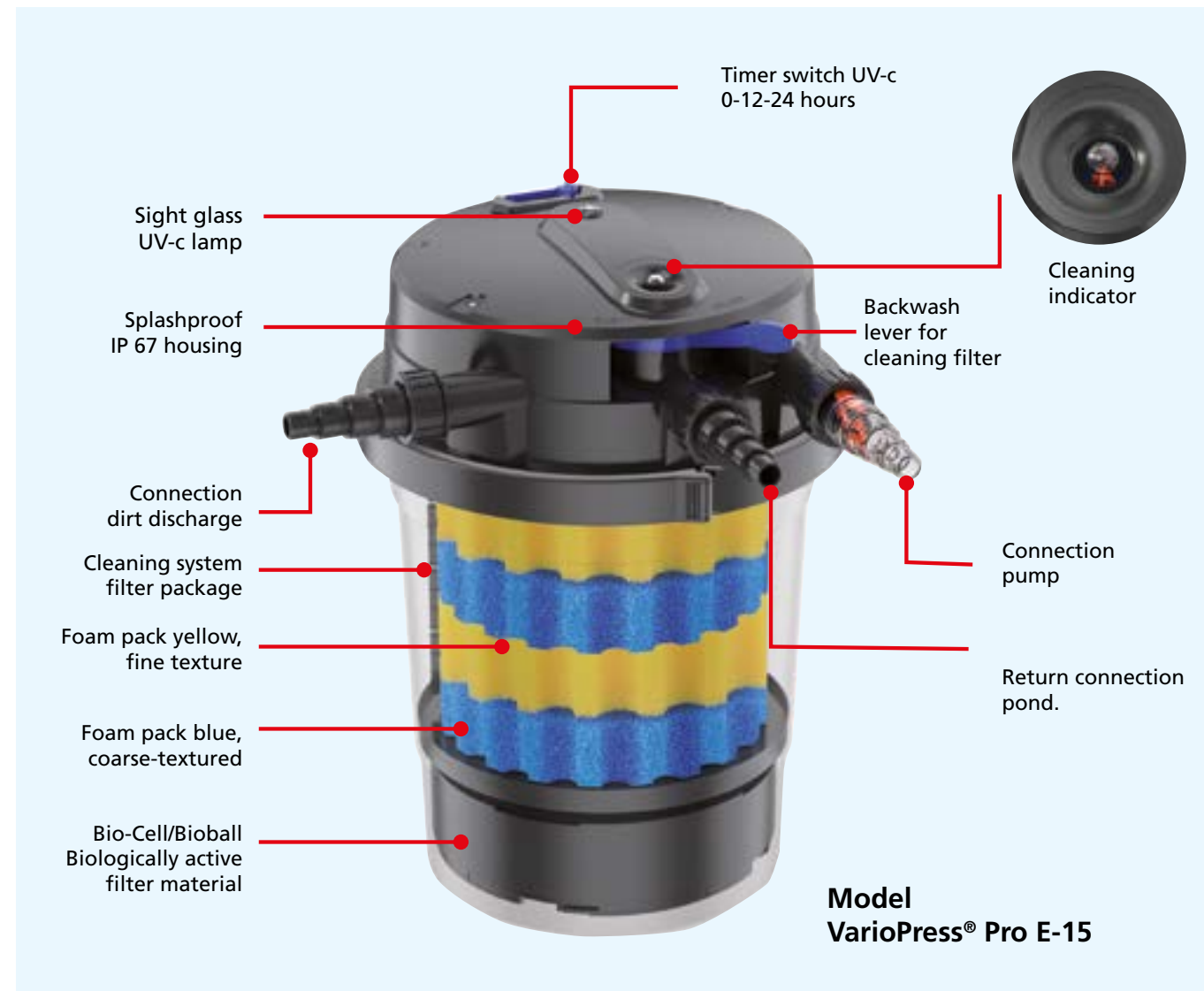
AUTO-CLEAN, electrically powered cleaning system.

Application

The advantages of pressure filters have been proven many times in practice. The fully closed filter system is compact and can be installed practically anywhere, even under the water level, next to a pond. The filter can be partially buried or fitted in an equipment pit.



VarioPress® Pro E pressure filter



Pressure filter series VarioPress specifications® Pro E

- **Waterproof housing in protection class IP 67.**
The high protection class ensures the long protection of all built-in electrical components against external moisture.
- **Integrated UV-c lamp with timer.**
Algae develop mainly in summer. With the timer switch you switch the UV-c lamp off 12 hours a day or keep it in continuous operation. In spring and autumn the timer can be set to 12 hours. Less power consumption, lower power costs and a longer lamp life.
- **Optimised drive technology for cleaning the filter pack.**
Convenient back-wash system. The built-in electric motor drives the cleaning system of the filter pack. The new drive system relieves forces on the filter pack and extends its life.
- **All electrical components are individually encapsulated in a waterproof housing.**
This effectively eliminates the risk of moisture ingress. The electrical connections are fitted with waterproof connectors and are easy to dismantle individually if needed.
- **Filter cover and filter pack separately removable.**
When the lid is removed, the filter pack stays in place and is not attached to the lid. Periodic filter maintenance is then made very easy. And the lid is freed because there is no weight on it.
- **Pollution indicator and acoustic signal during cleaning.**
The built-in contamination indicator shows when the filter needs to be rinsed. During rinsing the filter gives a pulsing signal as a reminder that the cleaning cycle is still running and water is being pumped out of the pond. After rinsing it sounds a continuous signal.
- **Lightly operated flush lever.**
The backwash lever requires no force and is easy to operate by anyone.



Strong gearing cleaning system.



All electrical components sealed watertight.



Removing lid separate from filter pack.





Project: Esselink hoveniers De Heurne

VarioPress® Pro E-15

VarioPress® Pro E-25

VarioPress® Pro E-35

VarioPress® Pro E-55 en E-70

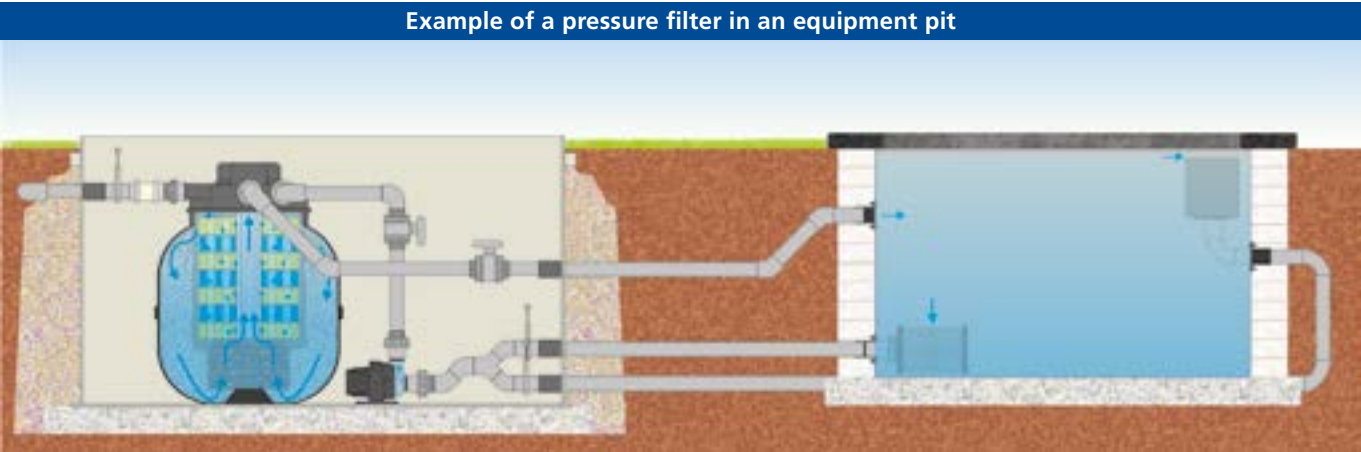


Pond water is pumped through the filter foam pack to the BioCell or Bioball pack. The cleaned water then flows past the UV-c device for elimination of floating algae. After that the water flows back to the pond.

Pond water is pumped through the filter foam pack to the BioCell or Bioball pack. The cleaned water then flows past the UV-c device for elimination of floating algae. After that the water flows back to the pond.

VarioPress® Pro E pressure filters

Type	Filter material			Flow capacity m³/h		Recommended pump type
	Foam discs	BioBall	BioCell	Recommended	Max.	
	Total	Total	kg			
						
VarioPress® Pro E-15	7 x ø 260 mm	2 x 30	–	4	9	- AquaFlow® E-10000 - VarioFlow® E-10
VarioPress® Pro E-25	5 x ø 360 mm	–	approx. 0.5	6.5	11	- AquaFlow® E-10000 - VarioFlow® E-10
VarioPress® Pro E-35	7 x ø 360 mm	–	approx. 1.0	10	12	AquaFlow® E-15000 - VarioFlow® E-20
VarioPress® Pro E-55	7 x ø 360 mm	2 x 30	approx. 5.0	13	14	- AquaFlow® E-20000 - VarioFlow® E-20
VarioPress® Pro E-75	7 x ø 360 mm	2 x 30	approx. 10.0	15	15	AquaFlow E-20000 - VarioFlow® E-20


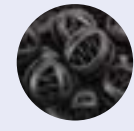


VarioPress pressure filter series®

The VarioPress® starter range with manual cleaning system for the purification of smaller water features with a fairly low fish population, including ornamental ponds and mirror ponds. The filter set is cleaned by using the rotating handle and the bypass switch to drain the polluted water.

- Mechanical purification.
- Integrated UV-C lamp.
- Manual cleaning system.
- Cleaning indicator.



Type	Filter material		Flow capacity m³/h		Recommended pump type
	Foam discs	BioBalls	Recommended	Max.	
	Total	Total			
					
VarioPress® 7000	4 x ø 260 mm	–	2.5	4.0	- Compact E-4200 - AquaFlow® E-5000
VarioPress® 14000	5 x ø 260 mm	24	3.5	7.0	- AquaFlow® E-5000 - VarioFlow® E-10

Type	Pond volume m³			
	Without plants or fish	With plants and fish (not koi)	Plants only	Koi
VarioPress® 7000	7	5	10	–
VarioPress® 14000	14	7	18	–

Type	UV-c W	Cleaning method	Connections		Dimensions Ø x H mm	Tank contents in l	Art. no.
			Hose (Ø mm)	Exthr.			
VarioPress® 7000	11	Manual	20/25/32/40	3 x 1½"	380 x 410	20	201100
VarioPress® 14000	18	Manual	20/25/32/40	3 x 1½"	380 x 520	25	201101

AUGA apr/1 2023

AUGA has a policy of continuous development and reserves the right to make technical changes without notice.

Typesetting and printing errors shall never constitute grounds for compensation. Full or partial reproduction of this publication in any shape or form is prohibited without the prior written consent of AUGA.

AUGA® is a registered trademark.



Winkelskamp 13
7255 PZ Hengelo (Gelderland)
The Netherlands
Tel.: +31 575 46 80 20
info@auga.nl
www.auga.nl

