

Filter container "BÜHNE²"

The filter container "BÜHNE²". The individualist. The new standard for the sophisticated medium size range.

With its high level of technical development and, above all, an understanding for quality, the BEHNCKE filter container "BÜHNE²" sets new standards for medium-sized pools.

Glass-fibre reinforced polyester resin as the basic material of the filter body in harmony with a perfect production finish is the necessary quality criterion that can provide wide design limits for aesthetic and technically sophisticated ideas.

The use and special processing of extremely high grade resins results in a high degree of osmotic resistance. In turn this forms the basis, for example, for the fulfilment of special requirements with regard to brine and ozone resistance. A high working pressure of 2.5 bar and an operating temperature of up to 40°C and the overall properties set an absolutely prominent level of quality in comparison to our competitors.

The filter container "BÜHNE²" - the space wonder. Creates space for dreams and aesthetics.

Thanks to the resolutely flat design of the container stand, without any loss in stability or filter bed height, an overall height of only 1.25 m that is unique in this class was able to realized.



The manhole on the side can be specifically arranged in accordance with the relevant space conditions.

Optionally, the filters of the "BÜHNE²" series can also be equipped with an acrylic glass cover and pressure gauge.



Equipped with practical features, such as an individual manhole on the side, an acrylic glass cover for extremely easy visual inspection and built-in nozzle cross for high filtration capacity, this container is a real trendsetter in terms of its ease of maintenance and operating reliability. Great importance has also been attached to the design of the innovative filter material "AFM".

Amortization - for a good conscience too.

Filter container "BÜHNE²" - Technical specifications

Size x Height	Ø 500 x 1120 mm	Ø 600 x 1130 mm
Outer diameter	Ø 525 mm	Ø 625 mm
Connection *	d 50	d 50
Filter area	0,20 m ²	0,28 m ²
Weight (approx.)	33 kg	50 kg

* Adapter to slip included

Filtering installation "BÜHNE²"

A high-quality complete solution is only able to be created thanks to BEHNCKE's "system" philosophy. Made in Germany.

It is precisely for complex system solutions that BEHNCKE relies on its expert engineering experience and on the manufacturing know-how of its site in Bühne (in the state of Saxony-Anhalt). Particularly in the case of the "BÜHNE²" filter system the focus is on highly customized and technically sophisticated planning requirements, without neglecting the pragmatic components such as operating reliability and user-friendliness.

Easy to install. Easy to put into operation.

Fully piped with a self-priming plastic filter pump (GS certified) and equipped with a large strainer, the filter pump system is pre-mounted on a noise-absorbing and attractively designed plastic pallet. The customized equipment is compatible, e.g. manual or automatic 6-way backwash valves and rod valves.



An ozone-resistant version is also available, e.g. for operation with an ozone disinfection system.

The "BÜHNE²" filtering installation in brief:

- Complete with a filter container made of glass-fibre reinforced polyester resin with inner sealing
- Built-in nozzle cross for high filtration performance
- Drain cock with GARDENA hose coupling 3/4"
- Pressure gauge with manual air bleeder
- Acrylic glass cover and manhole on the side
- 6-way backwash valve and an optional rod valve
- System capability for aquavision with 400 V

Filter container "BÜHNE²" - Technical specifications

Size x Flow rate*	Ø 500 mm x 8 m ³ /h	Ø 600 mm x 12 m ³ /h	Ø 500 mm x 8 m ³ /h	Ø 600 mm x 12 m ³ /h
Voltage	400 Volt	400 Volt	230 Volt	230 Volt
Height	1080 mm	1130 mm	1080 mm	1130 mm
Pool volume in/out (up to approx.) **	48/32 (m ³)	72/48 (m ³)	48/32 (m ³)	72/48 (m ³)
Pump type	BADU 90/7	BADU 90/11	BADU 90/7	Bettar 12
Wattage (P1)	0.50 kW	0.69 kW	0.50 kW	0.69 kW

* Flow rate was calculated with a pump output at 5 mH₂O, under consideration of the DIN EN 16713 with a flow speed ≤ 50 m/h

** In= indoor pool, one complete water circulation in 6 h; Out= outdoor pool, one complete water circulation in 4 h.

Required filter material for "BÜHNE²"

AFM, Activated Filter Material

Size [mm]	Ø 500	Ø 600
Grade 1 (0.4–1.0), [kg/bag]	105/5	147/7
Grade 2 (1.0–2.0), [kg/bag]	42/2	63/3
Total amount, [kg/bag]	147/7	210/10

*** For sand DIN EN 12904 the same amount of bags is required.

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