

Depth filter elements

Voigt-Depth filter elements are available in three different versions. All filter elements are made from 100% polypropylene microfibers. The packing density of these elements increases from the outside to the inside, so that a graded filtration can take place.

The elements have excellent stability, a large free pore volume and minimal fiber release.

They have a self-supporting structure and therefore do not require a support body.

Due to a high dirt holding capacity, our depth filter elements have a long service life and therefore ensure few filter changes.

The good stability of our depth filter elements prevents the particles that have already been separated from being released again when the differential pressure increases.

Our depth filter elements are available in different finenesses and in different lengths. They can therefore be used in almost all common filter housings. In addition, the use of various adapters and seals results in further application possibilities for all three versions.

All three versions (CX, AX, and PX) are manufactured without the addition of binding agents or wetting agents. The filter elements can therefore also be used in the food and beverage industry.

The materials used to manufacture the AX and PX depth filter elements are FDA (United States Food and Drug Administration U.S. FDA 21 CFR) approved. The CX version is our cost-effective alternative for non-critical applications.



Technical specifications

Initial differential pressure in the pure state	0,1 - 0,3 bar
Recommended differential pressure for a filter change	1,5 - 2,0 bar
Permissible final differential pressure	2,5 bar

Application areas

- ✓ Water treatment
- ✓ Chemical industry
- ✓ Pharmaceutical Industry
- ✓ Electroplating / surface treatment
- ✓ Beverage and food industry
- ✓ Electronics industry
- ✓ Paint and lacquer industry
- ✓ Cosmetic industry
- ✓ Petro-industry
- ✓ Photo industry
- ✓ environmental engineering

Depth filter elements

Flow rate in l / min at a differential pressure of 0.2 bar
based on water (1 cp)

	10" long	20" long	30" long	40" long
1 µm	10	20	30	40
3 µm	15	30	45	60
5 µm	20	40	60	80
10 µm	25	50	75	90
20 µm + 25 µm	30	60	90	90
30 µm	35	70	90	90
50 µm	40	80	90	90
75 µm	45	90	90	90

Due to the inside diameter of the filter elements, the flow rate is max. 90 l / min. limited.

Ordering Information

Product group	Filter material	Porosity	Length	Adapter	Seal
CX	PP	05	010	07	S

Product group	CX (up to 20" in length)	PX (up to 40" length)	AX (up to 40" length)
Filter material	PP Polypropylene		max. 70°C
Porosity (nominal)	01 1 µm 03 3 µm (only PX+AX) 05 5 µm	10 10 µm 20 20 µm (only PX+AX) 25 25 µm (only CX)	30 30 µm (only PX+AX) 50 50 µm 75 75 µm (only PX+AX)
Length	005 5" (127 mm) 009 9 ¾" (248 mm) 010 10" (254 mm)	019 19 ½" (495 mm) 020 20" (508 mm) 029 29 ¼" (743 mm)	030 30" (762 mm) 039 39" (990 mm) 040 40" (1016 mm)
Diameter	Outside 61 mm	Inside 28 mm	
Adapter	00 without adapter 01 DOE on both sides with flat seals 03 Double O-ring adapter 222 and end cap 08 Double O-ring adapter 222 and center point 07 Double O-ring adapter 226 and center point 02 Double O-ring adapter 226 and end cap		
Seal	N NBR S Silicone	E EPDM V Viton	