

# 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

<b>Initial differential pressure in the pure state</b>	0,1 - 0,3 bar
<b>Recommended differential pressure for a filter change</b>	1,5 - 2,0 bar
<b>Permissible final differential pressure</b>	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
<b>CX</b>	<b>PP</b>	<b>05</b>	<b>010</b>	<b>07</b>	<b>S</b>

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