

# Circukon® Filters



## **Advantages of UDI® circukon® filters:**

Separation of water and dirt using flow energy. Large dirt-discharging capacity at minimal loss of flushing water.

Well-adjusted inflow keeps the filter element clean.

The **UDI®** circukon® filter has a PVC filter element with stainless-steel filter gauze. Dirt is continuously being collected during operation, thus avoiding any increase of the differential pressure. This is achieved by using an especially designed whirl plate with four obliquely drilled-in holes.

The inflow velocity is optimized by removing or adding plugs.

The whole filter area is utilized in an optimum manner due to a uniquely designed spiral groove under the filter gauze.

The dirt-collecting chamber is a component of the filter element. The cone-shaped inlet effectively prevents dirt from flowing back. The filter cover is light and easy to handle.

Dirt discharge can be automated in a simple manner.

A stainless-steel version of the filter is available as an option.

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Subject to changes and/or misprints

# Circukon<sup>®</sup> filters series 8000

## Technical Data

### Coating:

In preparation for the coating, the filters are provided with a special layer of zinc phosphate. This treatment ensures proper adhesion of the coating and protects against rusting through from the inside.

The polyester coating is subsequently applied electrostatically, both internally and externally, before being furnace-hardened. The whole process involves 7 steps, and results in a perfect coating having a thickness of approx. 100 microns

### Description:

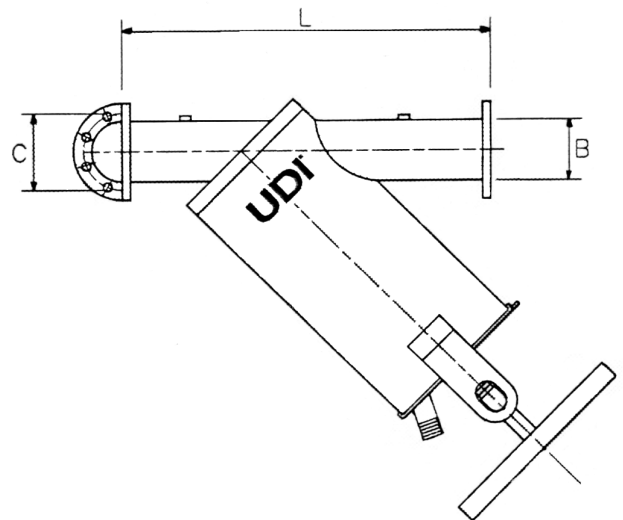
In-line, filter body aimed down

### Applications:

- Re-circulation systems
- Cooling-water processes
- Washing water purification  
F&B industry
- Basin water filtration
- Irrigation systems

### Materialen:

- Polyester coated steel
- Neoprene rubbers
- Nylon circulation plate
- Filter element PVC with st.st. filter scr  
Perforation: 75, 100, 130, 200, 300, 4  
800 microns (other perforation available upon  
request)



Type	Unit	4U8015F	4U8020F	4U8030F	4U8040F	4U8060F
<b>Connection</b>	inch	1½"	2"	3"	4"	6"
<b>Capacity</b>	m <sup>3</sup> /h	4,5-13	9-25	16,5-45	27-75	55-150
<b>Flange (ISO 7005 PN16)</b>						
<b>Connection B</b>	mm	40	50	80	100	150
<b>Diameter</b>	mm	150	165	200	220	285
<b>Bolt circle dia. C</b>	mm	110	125	160	180	240
<b>Holes</b>	mm	4*Ø18	4*Ø18	8*Ø 18	8*Ø18	8*Ø22
<b>Length L</b>	mm	430	410	535	565	740
<b>Weight</b>	kg	16	17	29	35	56
<b>Working pressure</b>	bar	8				
<b>Max. pressure</b>	bar	10				
<b>ΔP</b>	bar	0,25-0,5				
<b>Flushing</b>	ltr	2-5				