

Brush filters



Advantages brush filters:

The **UDI** brush filter is an electrically driven automatically self-cleaning filter. The function of the filter is controlled by a flushing controller. The cleaning process can be activated both automatically and manually. The self-cleaning system makes it possible for the filter cake that has formed on the filter screen to be brushed off, and a great deal of dirt can be removed without interrupting filtration. The short cleaning time of 16-20 seconds, using a minimum of flushing water, is sufficient to clean the entire filter element, with the filtering process being maintained. The main feature of this unique design is the self-adjusting brushes driven by the electric motor over the entire surface of the filter screen. Efficient cleaning is achieved by the perfect contact between the self-adjusting brushes and the screen surface.

A wide range of **UDI** Automatic Self-Cleaning Brush Filters is available for very broad application.

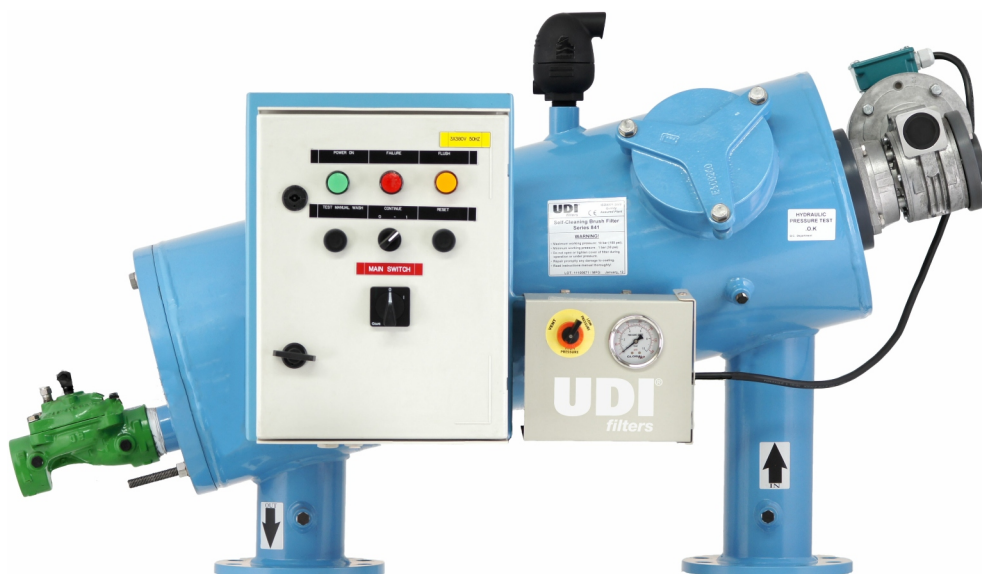
The filters are available from 4" to 14" (DN 100 mm – 350 mm) with a capacity of up to 1,000 m³/h. The corresponding filter surface varies from 3,500 to 10,400 cm². The working pressure is 1 to 8 bar.

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. Subsequently, the polyester coating is applied electrostatically, both internally and externally, before being furnace-hardened. The entire process involves 7 steps, and results in a perfect coating with a thickness of approximately 120 microns.

Applications:

- Process water
- Cooling water processes
- Industrial waste water
- Recirculation systems
- Irrigation systems



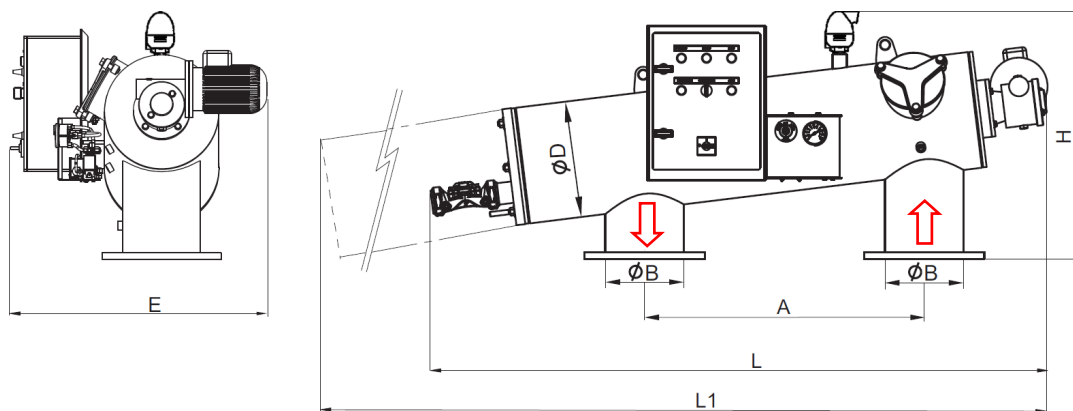
Subject to modifications
No liability accepted for errors or misprints

Technical specifications:

- Max pressure: 10 bar
- Min flushing pressure: 1 bar
- Ph 5 - 9 resistant

Materialen:

- Filter body: polyester-coated steel (option: stainless steel)
- Rubbers: natural rubber NR (other materials upon request)
- Filter element: PVC element with stainless steel filter screen (Option: stainless steel perforated cylinder)
- Perforation: 3000 - 1500 - 800 - 400 - 200 microns



Type	Unit	741804F	741806F	741808F	741810F	741812F	741814F
Connection Ø B	inch	4"	6"	8"	10"	12"	14"
Capacity *	m ³ /h	80	160	300	500	650	1000
Flange (ISO 7005 PN10)							
Pitch C	mm	180	240	295	350	400	460
Holes	mm	8 x Ø18	8 x Ø22	8 x Ø22	12 x Ø22	12 x Ø22	16 x Ø22
Weight	kg	125	155	170	266	280	300
Diameter Ø D	inch	12"	12"	12"	16"	18"	18"
Length (L)	mm	1290	1545	1730	2050	2210	2210
Length (L1)	mm	1660	2160	2465	2710	2930	2930
Height (H)	mm	650	655	690	850	965	965
Width (E)	mm	725	725	725	765	790	790
Pitch in/out (A)	mm	600	600	780	780	990	990
Drain valve	inch	1 x 2"	1 x 2"	1 x 2"	1 x 3"	1 x 3"	1 x 3"
Filter surface	cm ²	3500	5000	6000	7500	10400	10400
Flushing capacity min.	m ³ /h	30	60	75	150	150	150
Flushing water (appr.)	ltr	100	200	300	600	750	750
Flushing motor	1 phase 230V / 3 phase 380V - 50Hz - 0,25 kW						

* Maximum capacity related to 200 microns or larger