

### Advantages UdiMatic:

The UdiMatic, an automatically self-cleaning filter, offers an efficient solution to filtration at a minimal loss of pressure and flushing water. The self-cleaning system sucks the deposited dirt/waste from the filter screen in approx. 8 seconds, while not interrupting the filtering process.

The filter element composed of stainless steel filtering layers sintered to one another has an extremely effective filtering surface. Equipped with maximum differential-pressure protection, a controller box with a flushing programme and an electrically operated drain valve, the filter is supplied 'ready to be plugged in'. The UdiMatic is a complete automatic filter for use in a wide range of installations.

The UdiMatic, a mid-sized automatically self-cleaning, electric screen filter, is available in 1", 1½", 2", 3", 4", 6", and 8"; It has a flange connection (1": thread) and is made of polyester-coated steel with a maximum working pressure of 10 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
- Recirculation systems
- Irrigation systems



Subject to modifications  
No liability accepted for errors or misprints

**Model:**

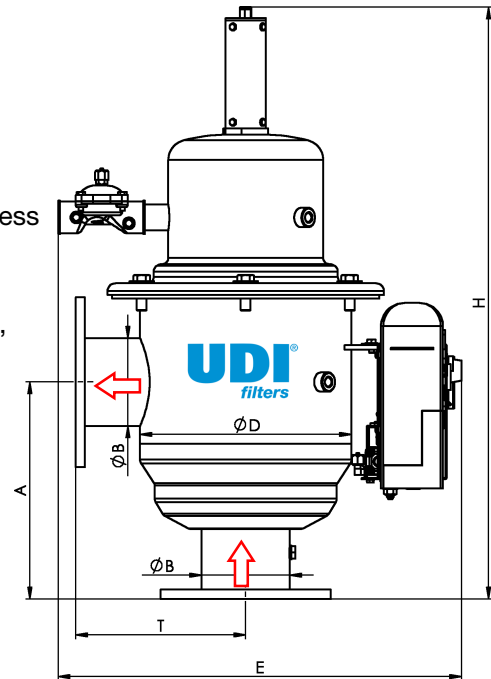
Angled model, flange connection for vertical installation, inlet on the underside.

**Technical specifications:**

- Max pressure: 10 bar
- Min flushing pressure: 1 - 2 bar
- Ph 5 - 9 resistant

**Materials:**

- Filter body: Polyester-coated steel (option: stainless steel)
- Rubbers: Natural rubber NR
- Filter element: Super Screen; multiple layers of stainless steel, sintered filter pack (1" and as option: PVC screen)
- Filter perforation: 400, 300, 200, 130, 100, 75 (upon request: 50 and 30 microns)



Type	Unit	785290	7851B91	7851B92	7851B93	7851E94	7851964	785196	785198
Connection B	inch	1"	1½"	2"	3"	4"	4"	6"	8"
Capacity *	m³/h	7	15	25	40	80	80	150	300
Flange (ISO 7005 PN10)									
Pitch C	mm	thread	110	125	160	180	180	240	295
Holes	mm		4 x Ø18	4 x Ø18	8 x Ø18	8 x Ø18	8 x Ø18	8 x Ø22	8 x Ø22
Weight	kg	11	26	28	41	48	62	65	78
Diameter D	inch	6	10	10	10	10	12	12	12
Total height H	mm	500	600	600	770	905	1310	1310	1530
total width E	mm	410	540	540	540	540	600	600	600
Centre distance A	mm	150	230	230	280	280	540	540	700
Centre distance T	mm	155	220	220	220	220	320	320	320
Filter surface	cm²	270	850	850	1450	2360	4500	4500	6200
Drain valve	inch	1 x 1"	1 x 1½"	1 x 1½"	1 x 1½"	1 x 1½"	1 x 2"	1 x 2"	1 x 2"
Flushing press. min.	m³/h	2 - 3	5	5	5	10	10	10	14
Flushing water appr.	ltr	6	10	10	15	30	40	40	55

\* Capacity based on 300-micron filter and water of a good quality; see the manual for other perforation sizes and water qualities.