

Cyclone filters



Advantages of cyclone filtration:

Using hydrocyclones, dirt particles with a high specific gravity can be effectively filtered out. The liquid is admitted tangentially, which results in a centrifugal flow forcing the dirt parts towards the outer side of the filter. Then the dirt is carried downwards to the collection tank. The water, which is now free of heavy materials, arrives at the centre of the spiral and leaves the filter at the top.

Advantages of UDI cyclone filters:

The large diameter of **UDI** cyclone filters makes it possible to generate sufficient flow energy to adequately separate the heavy materials at a low differential pressure.

Due to the minimal pressure loss, the filter can be included in-line in existing installations.

Upon request, **UDI** cyclone filters can be made of stainless steel and/or provided with an inlay (wearing surface, e.g. vulcanised rubber).

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:

- Groundwater filtration
- Vegetable washer
- Fish processing industries
- Separation processes
- Cooling water systems



Attention ! Tanks of 2 liter to 10 liter are without supports !



Subject to modifications
No liability accepted for errors or misprints

UDI[®] Cyclone filters 5000 series

Technical data

Model:

Upright cyclone filter with dirt collection chamber mounted underneath.

Materials:

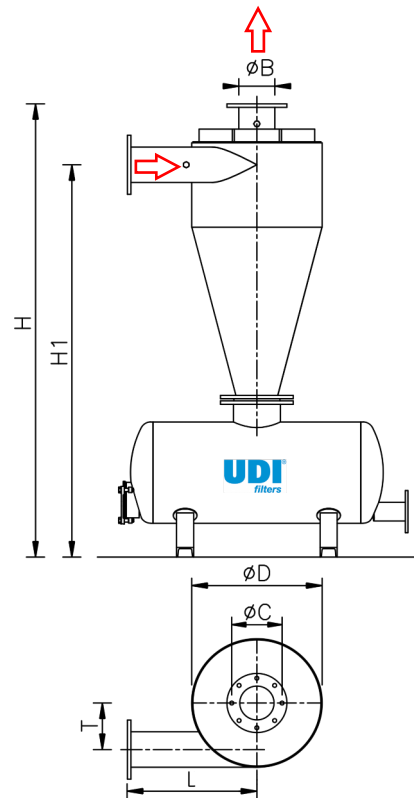
- Polyester-coated steel
- Neoprene rubbers

Technical specifications:

- Max pressure: 10 bar
- ΔP : 0,2 - 0,5 bar
- Ph 5 - 9 resistant
- Max operating temperature: 55°

Type	Unit	50307	50410	50615	50820
Connection \varnothing B	inch	3/4"	1"	1,5"	2"
Capacity	m ³ /h	2 - 3,5	3,5 - 7,5	7,5 - 12	11 - 17
Diameter D	inch	3"	4"	6"	8"
Connection type		threaded	threaded	threaded	threaded
Bottom connection	inch	1" thr.	1" thr.	3" Vic.	3" Vic.
Capacity collection tank	ltr	2*	2*	10*	10*
Drain connection	inch	1/2" thr.	1/2" thr.	1" thr.	1" thr.
H	mm	400	460	720	735
H1	mm	320	380	580	575
T	mm	32	40	61	80
L	mm	120	140	240	295
Weight	kg	8	9	18	20

* Attention ! these tanks are without supports !



Type	Unit	50830	51243	51640	52060	52460	53080
Connection \varnothing B	inch	3"	in 4"/uit 3"	4"	6"	6"	8"
Capacity	m ³ /h	18 - 34	35 - 52	52 - 82	98 - 160	140 - 230	230 - 360
Diameter D	inch	8"	12"	16"	20"	24"	30"
Flange (ISO 7005 PN10)							
Bolt circle diameter C	mm	160	180, 160	180	240	240	295
Bolt holes	mm	8 x \varnothing 18	8 x \varnothing 18	8 x \varnothing 18	8 x \varnothing 22	8 x \varnothing 22	8 x \varnothing 22
Bottom connection	inch	3" Vic.	6" fl.	6" fl.	8" fl.	8" fl.	8" fl.
Capacity collection tank	ltr	10*	60	120	220	220	300
Drain connection	inch	1" thr.	2" thr.	3" fl.	3" fl.	3" fl.	3" fl.
H	mm	830	1330	1720	1900	2155	2825
H1	mm	660	1130	1480	1610	1860	2360
T	mm	65	105	145	170	220	265
L	mm	300	500	600	600	600	700
Weight	kg	27	66	125	172	205	350

* Attention ! these tanks are without supports !

