

Multimedia filters 4000 series

Technical data



Model:

Vertical cylinder with filter bottom, standing on legs.

Applications:

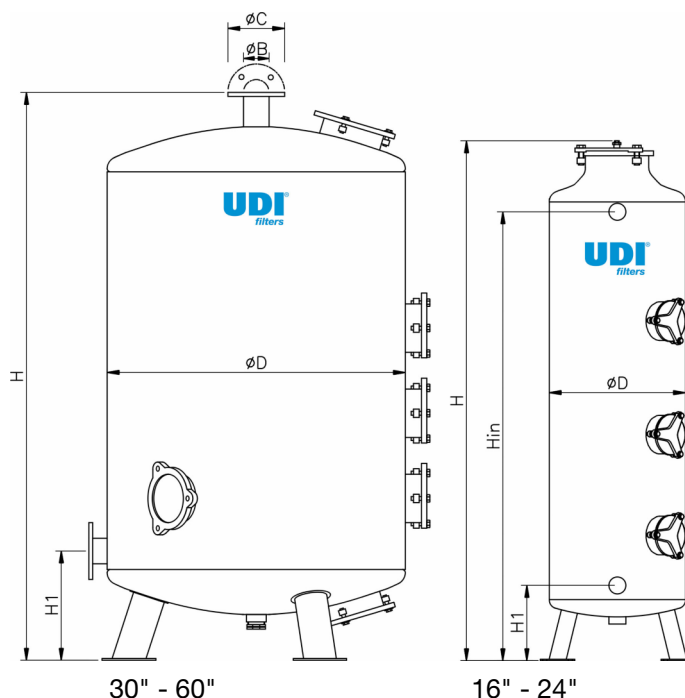
- Pre-filtration of disinfection equipment
- Preparation for micro and ultrafiltration
- Swimming pool filtration
- Groundwater purification
- Separation processes in which flocculants are used
- Water treatment plants
- Suitable for various filter media (active carbon, neutralisation media).

Technical specifications:

- Max pressure: 10 bar
- Working pressure: 8 bar
- Maximum ΔP : 0.5 bar
- Ph 5 - 9 resistant

Materials:

- Polyester-coated steel
- Neoprene rubbers
- Polypropylene filter plugs



Subject to modifications. No liability accepted for errors or misprints

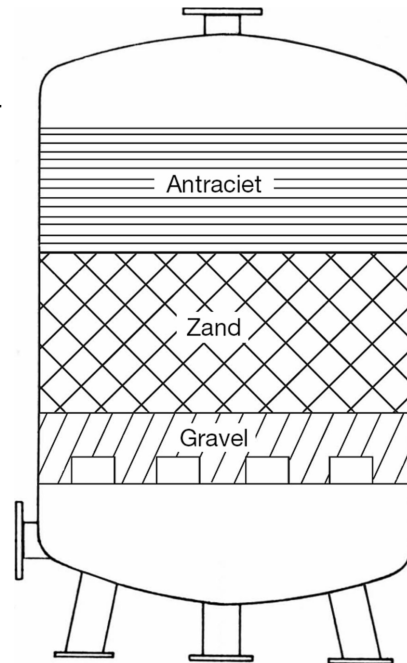
Type	Unit	K41615	K4202	K4242	K43031	K43631	K44232	K44841	K46042
Diameter D	inch	16"	20"	24"	30"	36"	42"	48"	60"
Flange (ISO 7005 PN16)									
Connection B	inch	1,5"	2"	2"	3"	3"	3"	4"	4"
Pitch C	mm	thread	thread	thread	160	160	160	180	180
Holes	mm	-	-	-	8 x Ø18	8 x Ø18	8 x Ø18	8 x Ø18	8 x Ø18
H	mm	1680	1750	1800	1900	1900	2000	2000	2000
H in	mm	1530	1560	1580	-	-	-	-	-
H1	mm	220	265	285	335	385	385	395	555
Weight	kg	57	85	107	210	320	375	420	600
Mushroom diffusors	pcs	8	14	20	31	42	58	72	106
Filling-material (sand)	cm	90	90	90	90	90	100	100	85
Filling material	ltr	110	175	250	400	600	900	1100	1500
Manholes		1 x 8"	1 x 8"	1 x 8"	1 x 8"	1 x 8"	1 x 8"	2 x 8"	6 x 8"
		3 x 6"	3 x 6"	3 x 6"	4 x 6"	4 x 6"	5 x 6"	5 x 6"	

Advantages of the UDI multimedia filters:

UDI high-bed multimedia filters filled with a multimedia filter material in combination with a lower filtering rate provide a nearly complete filtering of all suspended organic matter. The filtering layers of gravel, sand, and anthracite adapted to one another can be cleared of the dirt retained by backwashing.

Applications:

- Pre-filtration of disinfection equipment
- Preparation for micro and ultrafiltration
- Surface water intake
- Pre-filtration air humidifying equipment



Multimedia filters material for Media Filters 4000 series:

Type	Unit	M41615	M4202	M4242	M43031	M43631	M44232	M44841	M46042
Service (v=10mtr/h)	m ³ /h	1,5	2	3	5	7	9	11	18
Anthracite N 0,8 - 1,6	ltr	40	50	100	100	150	300	350	500
Sand 0,5 - 1 mm	kg	75	125	175	300	450	600	850	1100
Gravel 1 - 2 mm	kg	25	50	50	75	125	175	250	400
Backwashing appr.	m ³ /h	4,4	6,7	9,8	15,4	22	30	39	63

Alternative filter materials UDItf & UDItif

Application:

Post-filtrations, polishing

Working:

Due to the rough shape, it filters out suspended matter, in particular organic substances and metals

Recommendation:

Use a supporting layer of ≥ 20 cm

	UDItf	UDItif
Grain size	0,6 - 0,8 mm	1,2 - 1,8 mm
Filtration rate (max.)	30 mtr/h	60 mtr/h
Backwash rate	40 mtr/h	90 mtr/h
Backwashing at $\Delta P \geq$	3 - 4 mwk	
Properties	resistant to wear / bulk density $\pm 1,5$ kg / ltr	