

## Stainless Steel High Flow Multi-cartridges Filter Housings

Stainless Steel High Flow Multi-cartridges Filter Housings are designed for processes requiring significant flow rate with capacity from 13 rounds to more than 150 rounds of filter cartridges. The design of davit lifter makes top cover removal and element change out quick, easy and safe. Suitable for a broad range of liquid processes, the CE registered multi-cartridges filter housings accept different cartridge end cap styles in DOE and SOE.



### Applications

Pre RO, Household Water Filtration, Chemicals, Electronics, Food & Beverage, Cooling Water Filtration

### Operation Data

Maximum Operating Temperature : 75°C (167°F) (Base on selection of filter element and O-ring material.)  
Maximum Operating Pressure : 10 bar at 75°C (150 psi at 167°F)

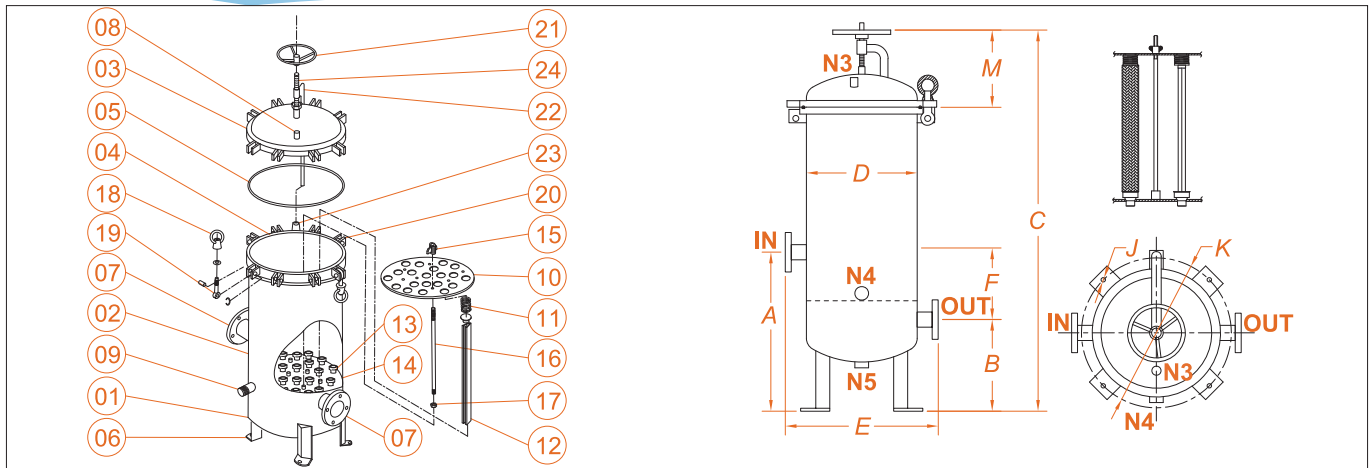
### Ordering Information

Type	Cartridge Length	Material of Construction	Number of Cartridges	Connection	Inlet/Outlet Size (inch)	O-ring Option	Cartridge End Cap	Option	
UFC Cartridge Filter Housing	20 - 20" 30 - 30" 40 - 40"	4 - SUS304 6 - SUS316 7 - SUS316L	13-13 pcs	P-PTF N-NPTF B-BSPF J -JIS Flange A -ANSI Flange D -DIN Flange C -Sanitary Clamp	10-1"	E -EPDM V -Viton W -Teflon encapsulated Viton	(blank) Flat Gasket Double Open Ends & 2-222 O-ring Fin/Flat 7 No Bayonet 2-226 O-ring Fin/Flat 9 2-226 O-ring Fin/Flat	P -All Polish IP -Inside Polish OP -Outside Polish A -Polymer Coating Q -Painting	
			14-14 pcs		15-15 pcs				173-173 pcs
			15-15 pcs		173-173 pcs				173-173 pcs
			173-173 pcs		173-173 pcs				173-173 pcs
			173-173 pcs		173-173 pcs				173-173 pcs
UFC Cartridge Filter Housing	30"	SUS316	46 pcs	ANSI Flange	4"	EPDM O-ring			

For more information:

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## Components

No.	Description	Qty	No.	Description	Qty	No.	Description	Qty
01	End Plate	1	09	Drain	1	17	Round Nut	3~8
02	Shell	1	10	Cartridge Squeeze Plate	1	18	Eye Nut	8~32
03	Top Cover of Bowl	1	11	Spring	13~173	19	Eye Bolt	8~32
04	Flange	1	12	Cartridge Aligning Rod	13~173	20	Eye Bolt Socket	8~32
05	O-ring	1	13	Cartridge Bowl	13~173	21	Turntable	1
06	Leg Support	4	14	Cartridge Support Plate	1	22	Davit Lifter	1
07	Port ( Inlet / Outlet )	2	15	Nut	3~8	23	Bearing	1
08	Vent	1	16	Screw Stay	3~8	24	Screw	1

## Dimensions

Model	A	B	C	ØD	E	F	ØJ	ØK	M	N3	N4 N5	Flow Rate	G. Weight	Volume
UFC20 13/20	700	350	1450	406	606	350	14	516	380	1/2"	1"	0 ~ 200 GPM / 0 ~ 45 m <sup>3</sup> /hr	85kg	139L
UFC30 13/20	700	350	1700	406	606	350	14	516	380	1/2"	1"	0 ~ 300 GPM / 0 ~ 168 m <sup>3</sup> /hr	105kg	165L
UFC40 13/20	700	350	1950	406	606	350	14	516	380	1/2"	1"	0 ~ 400GPM / 0 ~ 90m <sup>3</sup> /hr	125kg	198L
UFC20 21/28	700	350	1455	486	686	350	14	596	385	1/2"	1"	0 ~ 280GPM / 0 ~ 63m <sup>3</sup> /hr	95kg	189L
UFC30 21/28	700	350	1705	486	686	350	14	596	385	1/2"	1"	0 ~ 420GPM / 0 ~ 95m <sup>3</sup> /hr	120kg	239L
UFC40 21/28	700	350	1955	486	686	350	14	596	385	1/2"	1"	0 ~ 560GPM / 0 ~ 127m <sup>3</sup> /hr	145kg	286L
UFC20 29/36	700	350	1480	560	760	350	14	704	410	1/2"	1"	0 ~ 360GPM / 0 ~ 81m <sup>3</sup> /hr	155kg	260L
UFC30 29/36	700	350	1730	560	760	350	14	704	410	1/2"	1"	0 ~ 540GPM / 0 ~ 122m <sup>3</sup> /hr	190kg	327L
UFC40 29/36	800	400	2040	560	760	400	14	704	410	1/2"	1"	0 ~ 720GPM / 0 ~ 163m <sup>3</sup> /hr	225kg	389L
UFC20 37/46	800	400	1540	600	800	400	14	744	410	1/2"	1"	0 ~ 460GPM / 0 ~ 104m <sup>3</sup> /hr	170kg	302L
UFC30 37/46	800	400	1790	600	800	400	14	744	410	1/2"	1"	0 ~ 690GPM / 0 ~ 156m <sup>3</sup> /hr	200kg	401L
UFC40 37/46	800	400	2050	600	800	400	14	744	420	1/2"	1"	0 ~ 920GPM / 0 ~ 209m <sup>3</sup> /hr	230kg	460L
UFC20 47/56	850	450	1635	650	850	400	14	800	455	1/2"	1"	0 ~ 560GPM / 0 ~ 127m <sup>3</sup> /hr	204kg	354L
UFC30 47/56	850	450	1885	650	850	400	14	800	455	1/2"	1"	0 ~ 840GPM / 0 ~ 190m <sup>3</sup> /hr	242kg	484L
UFC40 47/56	850	450	2135	650	850	400	14	800	455	1/2"	1"	0 ~ 1120GPM / 0 ~ 254m <sup>3</sup> /hr	280kg	567L
UFC20 57/81	950	500	1880	762	962	450	14	960	650	1/2"	1 1/2"	0 ~ 810GPM / 0 ~ 184m <sup>3</sup> /hr	322kg	519L
UFC30 57/81	950	500	2130	762	962	450	14	960	650	1/2"	1 1/2"	0 ~ 1215GPM / 0 ~ 276m <sup>3</sup> /hr	365kg	665L
UFC40 57/81	950	500	2380	762	962	450	14	960	650	1/2"	1 1/2"	0 ~ 1620GPM / 0 ~ 368m <sup>3</sup> /hr	408kg	802L
UFC20 82/95	1000	550	2080	900	1100	450	14	1100	700	1/2"	2"	0 ~ 950GPM / 0 ~ 215m <sup>3</sup> /hr	659kg	788L
UFC30 82/95	1000	550	2330	900	1100	450	14	1100	700	1/2"	2"	0 ~ 1425GPM / 0 ~ 323m <sup>3</sup> /hr	687kg	1042L
UFC40 82/95	1000	550	2580	900	1100	450	14	1100	700	1/2"	2"	0 ~ 1900GPM / 0 ~ 431m <sup>3</sup> /hr	715kg	1201L
UFC20 96/135	1100	600	2170	1000	1200	500	14	1200	710	1/2"	2"	0 ~ 1350GPM / 0 ~ 306m <sup>3</sup> /hr	750kg	996L
UFC30 96/135	1100	600	2420	1000	1200	500	14	1200	710	1/2"	2"	0 ~ 2025GPM / 0 ~ 460m <sup>3</sup> /hr	791kg	1350L
UFC40 96/135	1100	600	2670	1000	1200	500	14	1200	710	1/2"	2"	0 ~ 2700GPM / 0 ~ 613m <sup>3</sup> /hr	832kg	1546L
UFC20 136/155	1250	650	2225	1100	1300	600	14	1300	715	1/2"	2"	0 ~ 1550GPM / 0 ~ 352m <sup>3</sup> /hr	990kg	1206L
UFC30 136/155	1250	650	2475	1100	1300	600	14	1300	715	1/2"	2"	0 ~ 2325GPM / 0 ~ 589m <sup>3</sup> /hr	1046kg	1580L
UFC40 136/155	1250	650	2725	1100	1300	600	14	1300	715	1/2"	2"	0 ~ 3100GPM / 0 ~ 704m <sup>3</sup> /hr	1102kg	1817L
UFC20 156/173	1250	650	2230	1200	1400	600	14	1400	720	1/2"	2"	0 ~ 1730GPM / 0 ~ 392m <sup>3</sup> /hr	1129kg	1446L
UFC30 156/173	1250	650	2480	1200	1400	600	14	1400	720	1/2"	2"	0 ~ 2595GPM / 0 ~ 589m <sup>3</sup> /hr	1188kg	1955L
UFC40 156/173	1250	650	2730	1200	1400	600	14	1400	720	1/2"	2"	0 ~ 3460GPM / 0 ~ 785m <sup>3</sup> /hr	1247kg	2238L

UNIT : mm

Customized housings are available on requests.

Actual flow rates will be determined on element selection and fluid viscosity.

For more information:

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