

Filter Ordering Information



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Part Numbers

HFU



Select the appropriate part number from the tables below.

Medium Type	Code	Absolute Liquid Removal Rating at 99.98% Efficiency by Count ¹ (um)	Maximum Allowable Pressure Drop at Temperature		Typical Element Aqueous Pressure Drop ²					
			(PSID/Bar)	Temp. (°F/°C)	20" Length		40" Length		60" Length	
					(PSID/GPM)	(mBarD/M ³ /H)	(PSID/GPM)	(mBarD/M ³ /H)	(PSID/GPM)	(mBarD/M ³ /H)
HDC®-II Pleated Polypropylene ³	J060	6	50/3.4	180/82	0.0016	0.48	0.0008	0.24	0.0005	0.15
	J100	10	50/3.4	180/82	0.0018	0.55	0.0006	0.18	0.0004	0.12
	J200	20	50/3.4	180/82	0.0011	0.30	0.0005	0.15	0.0003	0.09
Ultipleat Profile® Pleated Depth Polypropylene ³	UY020 ⁴	2	50/3.4	180/82	0.0089	3.0	0.0054	1.6	0.0037	1.1
	UY045	4.5	50/3.4	180/82	0.0046	1.4	0.0023	0.70	0.0015	0.46
	UY060	6.2	50/3.4	180/82	0.0064	1.9	0.0032	1.0	0.0021	0.64
	UY100	10	50/3.4	180/82	0.0034	1.0	0.0017	0.52	0.0011	0.33
	UY200	20	50/3.4	180/82	0.0024	0.8	0.0012	0.36	0.0008	0.24
	UY400 ⁵	50	50/3.4	180/82	0.0018	0.55	0.0009	0.27	0.0006	0.18
	UY700 ⁵	70	50/3.4	180/82	0.004	0.11	0.0002	0.05	0.0001	0.04
	UY1000 ⁵	90	50/3.4	180/82	0.0008	0.26	0.0004	0.11	0.0003	0.08
Ultipor® Glass Fiber ⁶	GF020	2	50/3.4	250/121	0.0022	0.67	0.0011	0.33	0.0007	0.21
	GF060	6	50/3.4	250/121	0.0039	1.2	0.0019	0.58	0.0013	0.40
	GF100	10	50/3.4	250/121	0.0016	0.49	0.0008	0.24	0.0005	0.15
	GF200	20	50/3.4	250/121	0.0012	0.36	0.0006	0.18	0.0004	0.12
Ultipor® GFK Medium	P100 ⁷	10	50/3.4	180/82	0.0016	0.49	0.0008	0.24	0.0005	0.15
	GFK100	10	50/3.4	250/121	0.0020	0.607	0.001	0.304	0.0007	0.213
Ultipor® K Medium	K200	20	50/3.4	200/93 ⁸	0.0031	0.941	0.0015	0.455	0.001	0.304
Ultipleat® Polyethersulfone Membrane ³	CAS010	1	50/3.4	180/82	0.0128	3.9	0.0074	2.3	0.0049	1.5

Code	Filter Dimensions (in/mm)**
620	6/152.4 x 20/508
640	6/152.4 x 40/1016
660	6/152.4 x 60/1524

Footnotes:

- The test procedure used is an adaption of ISO 4572, modified to determine the micron size above which particles are quantitatively removed.
- Pressure drop in PSIG per GPM for the cartridge length shown. Multiply this value by the total system flow to determine the aqueous pressure drop. Next for fluids other than water, multiply this value by the fluid viscosity (in centipoise) at the operating temperature. Divide this calculated pressure drop by 3. This will determine the number of filters required to have a 3 psig/(0.2 bar) pressure drop across the filter elements at startup. This value is the pressure drop across the Ultipleat High Flow filter(s) only-it must be added to the pressure drop due to the Ultipleat High Flow housing to determine the total system pressure drop. Refer to the housing ordering information table to select a housing that can hold the number of filters you calculated.
- Polypropylene medium and polyethersulfone membrane filters are made with FDA listed materials with the exception of the glass reinforced polypropylene end caps.
- 99% efficiency.
- Filters rated by Maximum Spherical Particle Passed test.
- Maximum temperature in aqueous systems is 140°F/60°C.
- Filter optimized for hydrogen peroxide working solution.
- Rating in Aqueous Service
- U-Cup Seal is standard for 1 micron CAS010 polyethersulfone filter.

40" FILTER CARTRIDGE



Code	O-ring Materials
H13 (Standard for glass fiber filters)	Buna N
J (Standard for polypropylene filters)	Ethylene Propylene
H4	Silicone
H	Fluorocarbon Elastomer
H1	FEP Encapsulated Fluorocarbon Elastomer
H13U	Buna N U-Cup Seal
JU	Ethylene Propylene U-Cup Seal
JUW ⁹ (FDA Listed Materials)	Ethylene Propylene U-Cup Seal*

* Manufactured from Ethylene Propylene which is listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

Sizes**

Filter Diameter (in/mm)	Filter Length (in/mm)	Suggested Maximum Flow of Water (GPM/LPM)
6/152.4	20/508	175/663
6/152.4	40/1016	350/1325
6/152.4	60/1524	500/1900

** All dimensions are nominal.