



Operating Conditions

	Polypropylene Medium/ CAS Composite Medium	Glass Fiber Medium ²
Maximum Differential Pressure ¹ (normal inside to outside flow)	50 psid at 180°F 3.4 bar at 82°C	50 psid at 250°F 3.4 bar at 121°C

- 1) For fluids compatible with the filter element at the stated temperature.
2) Maximum temperature in aqueous systems is 140°F / 60°C

Ordering Information/Specifications

Filter Cartridge Part Number: HFU ▲ ● ◆

Code ▲	Filter Dimensions, nominal, diameter (in/mm) x length (in/mm)	Suggested Maximum Water Flow Per Cartridge (gpm/lpm/mgd)
620	6/152.4 x 20/508	175/663/0.25
640	6/152.4 x 40/1016	350/1325/0.5
660	6/152.4 x 60/1524	500/1900/0.7
680	6/152.4 x 80/2032	500/1900/0.7

Will not

Filter Cartridge Pressure Drop (typical) per Filter Length Shown²

Medium Type	Grade ●	Absolute Liquid Removal Rating (microns) at 99.98% by particle count ¹	20 inch length		40 inch length		60 inch length		80 inch length	
			psid/100gpm	mbar/M ³ /hr	psid/100gpm	mbar/M ³ /hr	psid/100gpm	mbar/M ³ /hr	psid/100gpm	mbar/M ³ /hr
HDC II Medium	J060	6	0.158	0.48	0.080	0.24	0.058	0.17	0.040	0.012
	J100	10	0.120	0.36	0.060	0.18	0.040	0.12	0.030	0.009
	J200	20	0.100	0.30	0.050	0.15	0.033	0.10	0.025	0.008
Profile Medium in Ultiplead Format	UY020 ⁴	2	1.091	3.31	0.540	1.64	0.362	1.10	0.270	0.082
	UY045	4.5	0.489	1.48	0.242	0.73	0.162	0.49	0.121	0.037
	UY060	6	0.395	1.20	0.196	0.59	0.131	0.40	0.098	0.030
	UY100	10	0.344	1.04	0.170	0.52	0.114	0.35	0.085	0.026
	UY200	20	0.243	0.74	0.120	0.36	0.080	0.24	0.060	0.018
	UY400 ³	40	0.182	0.55	0.090	0.27	0.060	0.18	0.045	0.014
	UY700 ³	70	0.040	0.12	0.020	0.06	0.013	0.04	0.010	0.003
Ultipor GF Medium	UY1000 ³	90	0.027	0.08	0.013	0.04	0.009	0.03	0.007	0.002
	GF020	2	0.219	0.66	0.110	0.33	0.073	0.22	0.055	0.017
	GF060	6	0.180	0.55	0.090	0.27	0.060	0.18	0.045	0.014
	GF100	10	0.159	0.48	0.080	0.24	0.053	0.16	0.040	0.012
	GF200	20	0.119	0.36	0.060	0.18	0.040	0.12	0.030	0.009
GF400 ³	29	0.100	0.30	0.050	0.15	0.033	0.10	0.025	0.008	
Ultiplead CAS Medium	CAS010	1	1.496	4.54	0.740	2.25	0.496	1.51	0.370	1.12

- 1) The test procedure used is an adaptation of ISO 4572, modified to determine the micron size above which particles are quantitatively removed.
2) Multiply this value by the total system flow to determine the aqueous pressure drop. For fluids other than water, multiply this value by the fluid's viscosity at the operating temperature in centipoise. This value is the pressure drop across the Ultiplead® High Flow filter(s) only; it must be added to the pressure drop contribution from the Ultiplead High Flow filter housing.
3) Precision evaluation of the 99.98% removal efficiency for these coarse grades is not possible with the ISO modified test procedure utilized. The removal efficiency was determined by the maximum spherical particle analysis.
4) 2 micron at 99% efficiency

Code-Filter O-Ring ◆	Material
H13 (Standard for glass fiber and aramid fiber filters)	Buna N
H13U ¹	Buna N U-Cup
J (Standard for polypropylene filters)	Ethylene Propylene
JU ¹	Ethylene Propylene U-Cup
H4	Silicone
H	Fluoroelastomer

¹ U-Cup seal is standard for the 1 micron composite filter.

Housing Design

Three configurations are available: horizontal*, vertical and centerpipe design.

The in-line horizontal configuration eliminates the need for a platform, or ladder, to remove the filters from the housing.

Vertical vessels may be more appropriate when floor space is limited. However, a platform may be needed to easily remove the elements.

* Required for 80 inch lengths