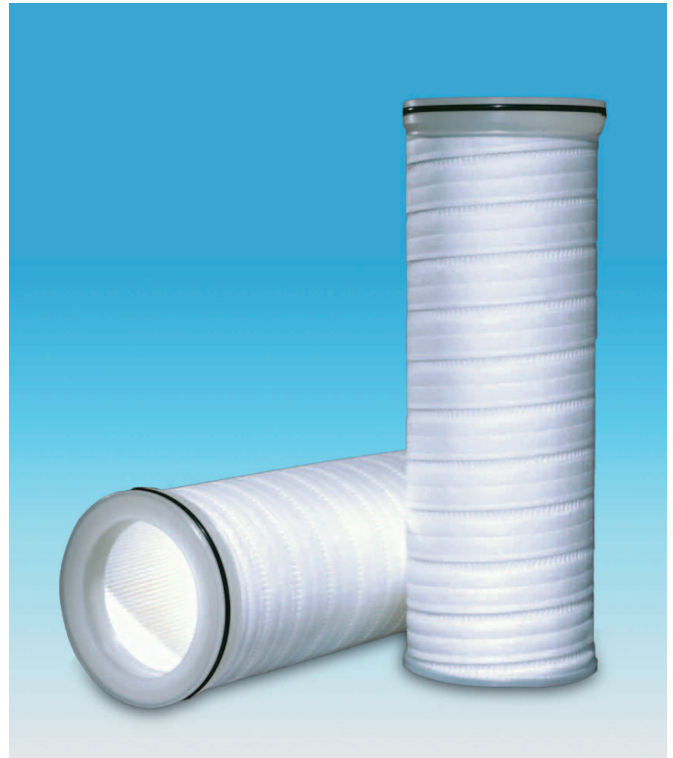


Description

The Ultipleat® High Flow filter is suited for TFT LCD wet processes, such as wet etching and cleaning. Its large diameter, inside out flow path and unique, high area, pleated construction allow for a long service life. The filter is very economical due to its high flow capacity. Far fewer filters are thus required, compared to standard size cartridges.

Features and Benefits

- Large filter diameter, 160 mm / 6.3 in. nominal, equates to fewer cartridges and smaller housing footprint
- Easy filter change-out
- 526 mm / 20 in. lengths available
- High area, pleated construction for low differential pressure and high dirt capacity
- Long service life time
- Inside out flow pattern further enables high flow rates



Specifications

Materials of Construction

Filter Medium	Polypropylene
Support/Drainage	Polypropylene
Endcaps	Glass filled polypropylene
O-ring	PTFE encapsulated fluoroelastomer

Removal Ratings	2.0 µm
Diameter (nominal)	160 mm / 6.3 in
Length (nominal)	526 mm / 20.7 in
Maximum Operating Temperature	82 °C / 180 °F
Maximum Forward Differential Pressure¹	3.45 bar (50 psid) up to 50 °C (122 °F)

¹For fluids compatible with the filter element at the stated temperature.

Typical Flow Characteristics – 1 cP fluid, 20 °C

Cartridge Grade	Removal Rating	Element Pressure Drop ²
PP020	2.0 µm	1.48 mbar/m ³ /h 0.489 psid/100 gpm

Part Numbers / Ordering Information

Part Number	Removal Rating
620HFPP020H1	2.0 µm

²Pressure drop in psid per US gpm and mbar per cubic meter per hour 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's viscosity at the operating temperature in centipoise. 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 filter housing.

Unit conversion: 1 bar = 100 kilopascals



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