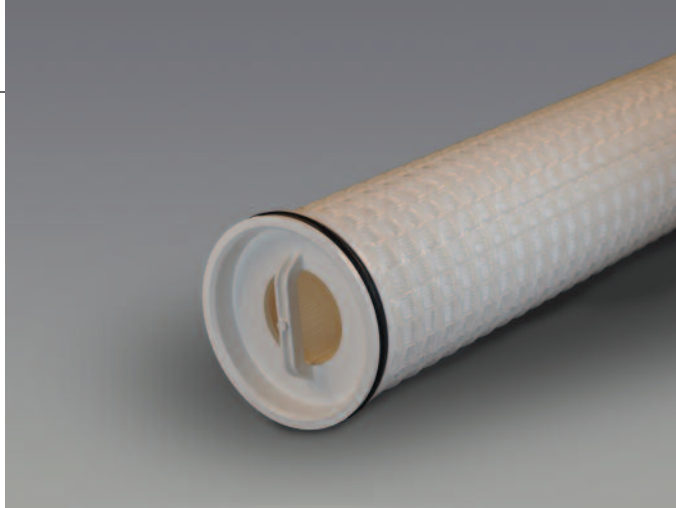


Turbo-Pleat™

Polypropylene High Capacity Filter Elements

Turbo-Pleat elements combine high flow capacity and rugged structural design to yield an element that can withstand the rigors of the toughest high volume applications. The inside-to-out flow path isolates contaminants within the element, preventing spillage into the clean side of the vessel during change-outs. A heavy duty outer support cage lends strength and support at high flow capacities. Finally, expect absolute filtration performance on a broad range of contaminants at flow capacities up to 500 gpm. Use up to 50 times fewer elements thanks to this innovative design offered by Purolator.



THE BOTTOM LINE

- High Flow Capacity**
 Reduces the vessel foot print for large volume applications. Often a single vessel sized for Turbo-Pleat elements substitutes for multiple standard vessels. This reduces capital expenditures and frees up valuable real estate. Element change-outs involve fewer elements and less labor. Downtime and maintenance costs are reduced. Less space is required for storage and mobilization of spare elements.
- Inside-to-Outside Flow**
 Because the contaminated fluid flows through a Turbo-Pleat from inside to out the removed contaminant is isolated within the element walls. Unlike elements that flow outside to in, there is no risk that contaminant on the filter elements or resting in the dirty side of the vessel will be dislodged into the clean side of the vessel during element change-outs. As a result downstream equipment is never at risk of being subjected to a slug of contaminant as the filter is put back online. Expect improvement in equipment reliability and better control over operational and maintenance budgets with Turbo-Pleat elements installed.
- Leading in Structural Integrity**
 Higher flux rates through an element can lead to situations that may subject it to relatively high stresses. Therefore, Purolator offers the Turbo-Pleat with a rugged outer support cage and 100% thermally fused construction. Compared to other high capacity elements in use today the Turbo-Pleat has superior structural integrity. The rugged design limits exposure of downstream equipment in the event of excessive stresses to the element caused by high differential pressure. Reducing the impact of even a single event of element structural failure can add five to seven digit advantages to your bottom line.

APPLICATIONS

- Gas Production**
 produced water
- Commercial & Industrial**
 pre-RO, boiler feed, process, waste and raw waters
- Food & Beverage**
 cooling water, pre-RO

SPECIFICATIONS

MATERIALS

- FILTER MEDIA** polypropylene
- SUPPORT MEDIA** polypropylene and polypropylene netting
- END CAPS** polypropylene
- OUTER SUPPORT** polypropylene
- O-RING** buna-n standard
- OPTIONS** other o-ring materials

NOMINAL DIMENSIONS

O.D. [in.]	I.D. [in.]	Length [in.]	Surface Area [ft ² / 10"]
6.2	3.0	20, 40, 60	12

OPERATING DATA

Max Temp. [F]	pH Range	Max D.P. ¹ [psid]
180	0 - 14	50

- Recommended change-out D.P. is 35 psid.**
- Normal flow is inside-to-out.**

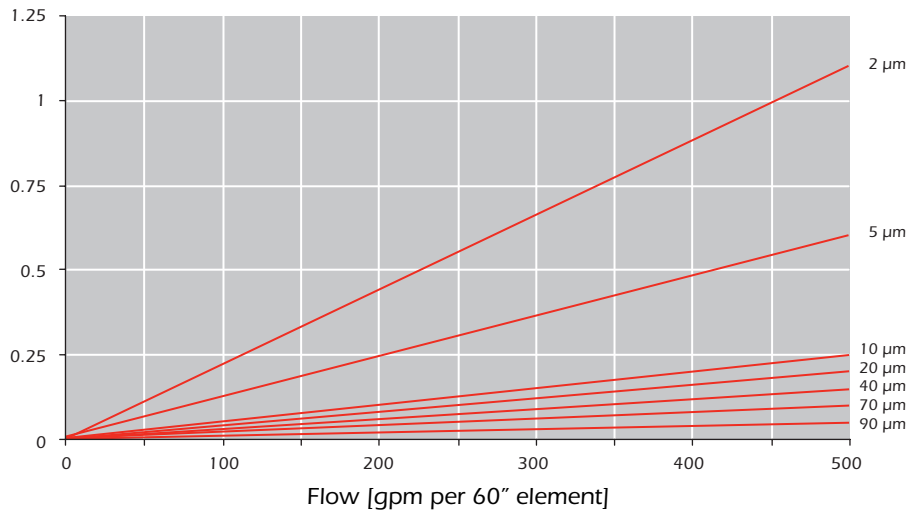
PARTICLE RETENTION

- Efficiency:** > 99.98%
- Grade [µm]:** 2, 5, 10, 20, 40, 70, 90

DIRT HOLDING CAPACITY

- 3.0 lbs per 10" length**

Turbo-Pleat Flow Curve (1 cP)



VESSELS

- Vessels manufactured to be compatible with Pall HFU style high flow filter elements.
- Purolator vessel design available upon request

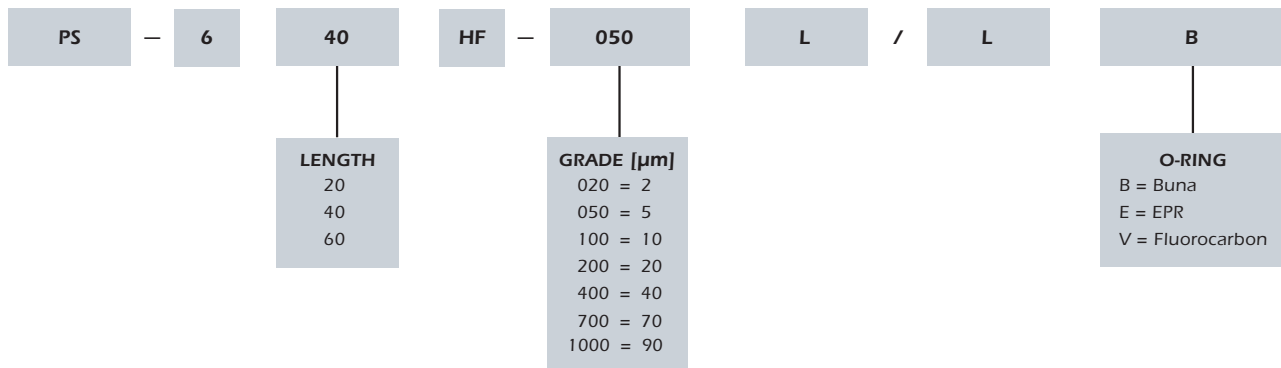
NOTES

1. Max. D.P. may be limited by vessel manufacturer's design.

REPLACEMENTS FOR

- | | |
|---------------------|------------------------|
| ■ Chemflo HF | ■ Pall PFTM |
| ■ FTC DPU-600 | ■ Pall XLDM |
| ■ Jonell JPMP xx435 | ■ Parker RCP |
| ■ Nowata xxHFxxx | ■ Porous Media FMM60xx |

ORDERING INFORMATION



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