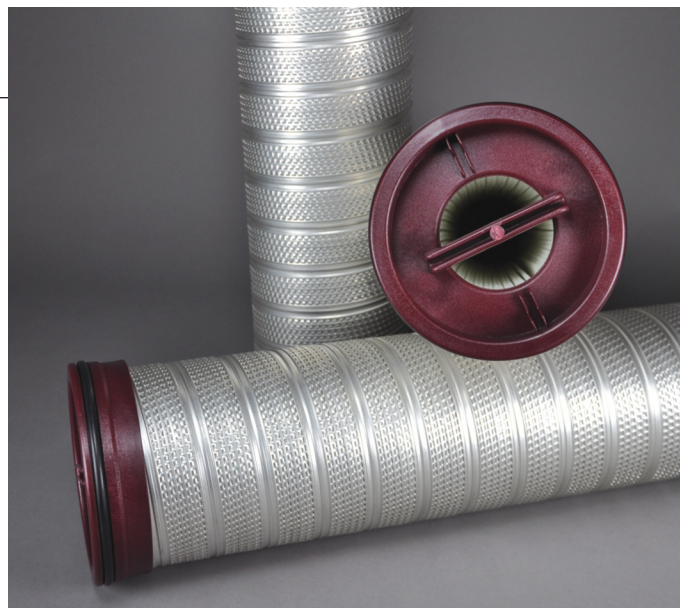


Surge MG™

High Capacity Microglass Filter Elements

Replacement Option for Pall HFU Series

Surge MG elements combine high flow capacity, rugged structural design, w-Pleating technology and microglass filtration media 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 by PECOFacet.



THE BOTTOM LINE

- High Flow Capacity**
 Reduces the vessel foot print for large volume applications. Often a single vessel sized for Surge MG 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..
- w-Pleating Technology**
 w-pleating technology provides an optimized pleat configuration that prevents pleat collapse and blinding. The w-Pleat design in the Surge MG yields an element that delivers full utilization of the pleat pack surface area.
- Inside-to-Outside Flow**
 Because the contaminated fluid flows through a Surge MG 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 Surge MG elements installed.
- Leading in Structural Integrity**
 Compared to other high capacity elements in use today the Surge MG has superior structural integrity. Higher flux rates through an element can lead to situations that may subject it to relatively high stresses. Therefore, PECOFacet has developed the Surge MG with a rugged outer support cage. The rugged design limits exposure of down stream 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.

SPECIFICATIONS

MATERIALS

- FILTER MEDIA** microglass
- SUPPORT MEDIAS** multi-layer polyester and nylon
- END CAPS** glass filled nylon
- OUTER SUPPORT** louvered, tin plated steel
- O-RING** buna-n, fluorocarbon, EPR
- OPTIONS** polyester powder coated louvered outer support

NOMINAL DIMENSIONS

Model	O.D. [in.]	I.D. [in.]	Length [in.]
PHF-620	6.2	3.0	20
PHF-640	6.2	3.0	40
PHF-660	6.2	3.0	60

OPERATING DATA

Max Temp. [F]	pH Range	Max D.P. ¹ [psid]
250	0 - 9	50

- 1 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

DIRT HOLDING CAPACITY

- 3.5 lbs per 10" length
- Data based on modified ASTM F797 using ISO 12103-1 test dust

APPLICATIONS

- Gas Production**
 produced water
- Commercial & Industrial**
 pre-RO, boiler feed, process, waste, and raw waters
- Petroleum Refining**
 final product filtration, petroleum feed stocks, water wash, condensates, liq/liq pre-filter



LEADING TECHNOLOGY

Problems Solved. People Satisfied.™

Surge MG™ High Capacity Microglass Filter Elements

Replacement Option for Pall HFU Series

VESSELS

- Vessels manufactured to be compatible with Pall HFU style high flow filter elements.
- PECO vessel Series 55HX.

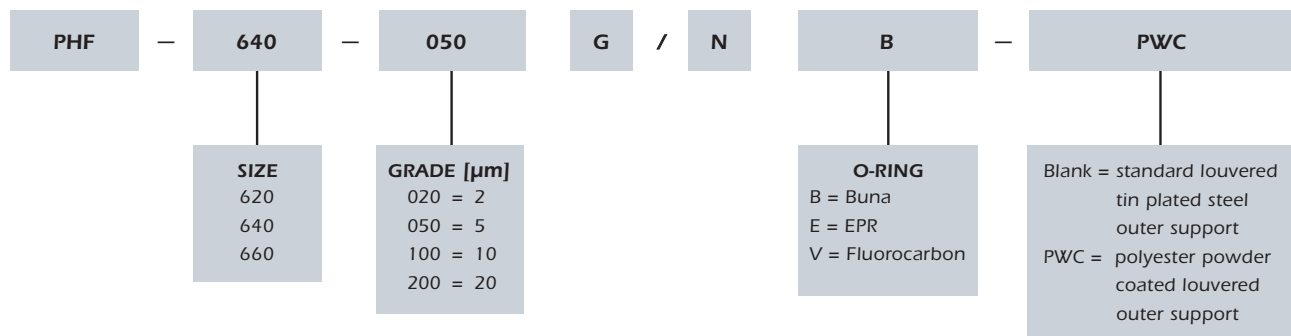
NOTES

- With full encirclement sleeve installed in vessel.
- Max. D.P. may be limited by vessel manufacturer's design.

REPLACEMENTS FOR

- Pall HFUxxxGF
- Parker RSMG

ORDERING INFORMATION



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