

Preveil™ Filtration Membrane Roll Goods

**Product Type:** QP845

**Description:** Hydrophobic ePTFE Membrane Laminate  
Functional Layer: PTFE, HEPA Grade  
Backer Material: Polyester

Basis Weight:	Nom. 170 g/m <sup>2</sup>
Air Permeability:	4 – 8 ft <sup>3</sup> /ft <sup>2</sup> /min @ 0.5 inch H <sub>2</sub> O 33 - 65 l/m <sup>2</sup> /s @ 200Pa
Filtration Efficiency:	> 99.97% nom. @ 0.3um @ 5.33 cm/s, at nom. dp 25mm H <sub>2</sub> O
Burst Strength:	Min. 200psi
Tensile Strength:	MD min 100 lbs per 2 inch, CD min 50 lbs per 2 inch
Application:	Pleated HEPA membrane filters, cleanable, washable filters.
Available format:	Customized slit roll widths
Maximum Width:	79 inch (2.00m)

All above data is nominal and provided for information only and is subject to change. All metric conversions are approximate.



For more information, contact your GE representative or visit [www.ge-energy.com/membrane](http://www.ge-energy.com/membrane)

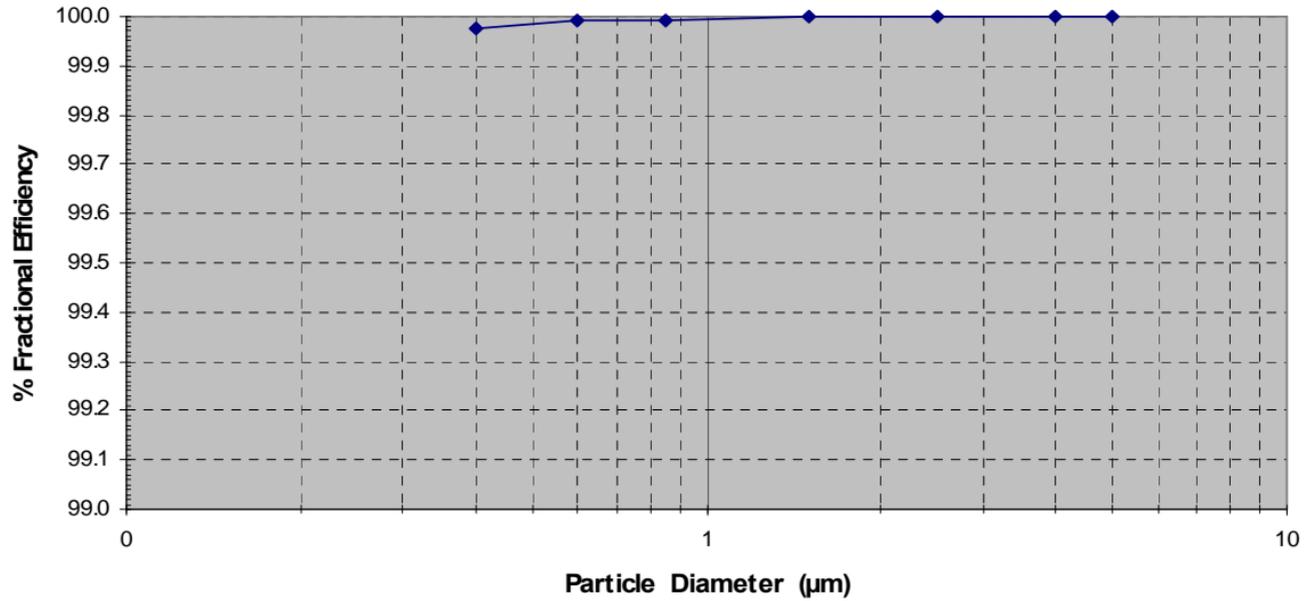
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QP845\_1TMSP170HP\_Rev100608

### Fractional Efficiency vs. Particle Diameter



## WASHING PROCEDURES FOR FILTER CARTRIDGES UTILIZING ePTFE MEMBRANE

**Non-Water Soluble Dusts** - A hand-held compressed air nozzle should be used to backflush (with 30-60 psi air) by running the nozzle up and down the exterior of the filter cartridges. If a residue on the inside (ePTFE membrane side) of the filter cartridge remains, low velocity compressed air may be used directly on the inside, *but care must be taken not to damage the membrane.*

If there is significant backside blinding, compressed air may be used. However, forcing the dust further into the media from the backside is likely. Another option would be to remove and rotate the filter cartridge while submerging it in a solvent which will dissolve the dust. Check for filter cartridge compatibility.

Washing the filter cartridge with a high pressure water jet or stream is not recommended. Washing in place must be done only after air cleaning and with no greater than 40 psi water, unassisted by a nozzle or jet acceleration. A water force similar to a soft garden spray attachment is appropriate.

**Water Soluble Dusts** A hand-held compressed air nozzle should be used to backflush (with 30-60 psi air) by running the nozzle up and down the exterior of the filter cartridges. If a residue on the inside (membrane side) of the filter cartridge remains, low velocity compressed air may be used directly on the inside, *but care must be taken not to damage the membrane.*

If there is backside blinding, removal and rotation of the filter cartridge in a water bath is recommended. Over a short period of time, if water soluble, the dust will dissolve. The filter cartridge should be dried in a place of low moisture while applying low, dry heat, if possible. Do not exceed operational temperature.

Washing with a high pressure water jet or stream is not recommended. Washing in place must be done with no greater than 40 psi water, unassisted by any nozzle or jet acceleration. A water force similar to a garden spray attachment is appropriate.

### GASKET REPAIR/REPLACEMENT (CARTRIDGES)

Gaskets may become loose over time and should be repaired or replaced as follows:

1. Remove the gasket completely. Excess adhesive should be removed from the endcap.
2. Roughen the surface of the endcap where the gasket attaches with an emery cloth.
3. Clean the gasket and endcap with isopropyl alcohol to remove residue.
4. Apply liquid silicone (GE RTV-118) to the endcap and attach the gasket.
5. Apply a small bead of silicone (GE IS808) to ID and OD of the gasket.
6. Allow the silicone adhesive to cure a minimum of 24 hours before using the filter.

Contact your XXXXX representative if you have any questions regarding the cleaning of your pleated filter cartridges.