

TARGA[®] PM10 HOLLOW FIBER CARTRIDGES

8-inch Industrial Water Ultrafiltration Cartridges

PRODUCT DESCRIPTION

| | |
|---------------------------|--|
| Membrane Chemistry: | Proprietary semi-permeable polysulfone |
| Membrane Type: | PM10 |
| Housing Shell/End Caps: | Proprietary polysulfone |
| Fiber Support Netting: | Polypropylene/Polyethylene |
| Permeate Collection Tube: | PVC |
| Potting Material: | Proprietary epoxy compound |
| Preservative: | Glycerin |

PRODUCT SPECIFICATIONS

| Model | Part Number | Nominal MWCO | Production Range gpm (m ³ /hr) |
|-------------------------------------|-------------|--------------|---|
| TARGA [®] 8072-742-20-PM10 | 0720413 | 10,000 | 48.2 (10.9) - 22.7 (5.2) |
| TARGA [®] 8072-367-43-PM10 | 0720415 | 10,000 | 23.4 (5.3) - 11.0 (2.5) |

* Higher production can be expected for post IX/RO polishing applications.

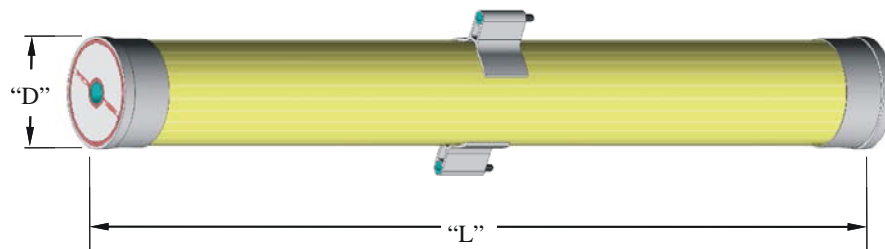
OPERATING AND DESIGN INFORMATION*

| | |
|--|--|
| Maximum Pressure (water): | 45 psi (3.0 bar) @ 104° F (40° C) or less |
| Temperature Range: | 32° F (0° C) - 104° F (40° C) |
| Maximum Production Transmembrane Pressure: | 30 psi (2.1 bar) |
| Maximum Backflush Transmembrane Pressure: | 20 psi (1.4 bar) |
| Maximum Total Chlorine @ 77° F (25° C) or lower: | 200 ppm @ 9.5 pH or higher during intermittent backflush |
| Maximum Total Chlorine Contact: | 200,000 ppm-hrs cumulative |

* Consult KMS Process Engineering Group for specific applications

NOMINAL DIMENSIONS

| Model | Fiber Diameter (ID) | Membrane Area | D Inches (mm) | L Inches (mm) |
|-------------------------------------|---------------------|--|------------------|------------------|
| TARGA [®] 8072-742-20-PM10 | 0.020 inch (0.5 mm) | 742 ft ² (68.9 m ²) | 8.4 (213) | 72 (1829) |
| TARGA [®] 8072-367-43-PM10 | 0.043 inch (1.1 mm) | 367 ft ² (34.1 m ²) | 8.4 (213) | 72 (1829) |



TARGA® PM10 HOLLOW FIBER CARTRIDGE

CARTRIDGE STORAGE CONDITIONS:

New cartridges are impregnated with glycerin. Glycerin should be removed from new cartridges before initial use with a rinse followed by a caustic wash and then a caustic/chlorine wash. See pre-startup cleaning instruction sheet packed with each cartridge shipment.

New cartridges should be stored in their original shipping containers and crates until ready for installation, as follows:

- Indoors, out of direct sunlight.
- At temperatures between 50 – 85 °F (10 – 30 °C).
- At relative humidity below 70%.
- In a horizontal position.

Used cartridges should be cleaned, rinsed and impregnated before storage with one of the following solutions.

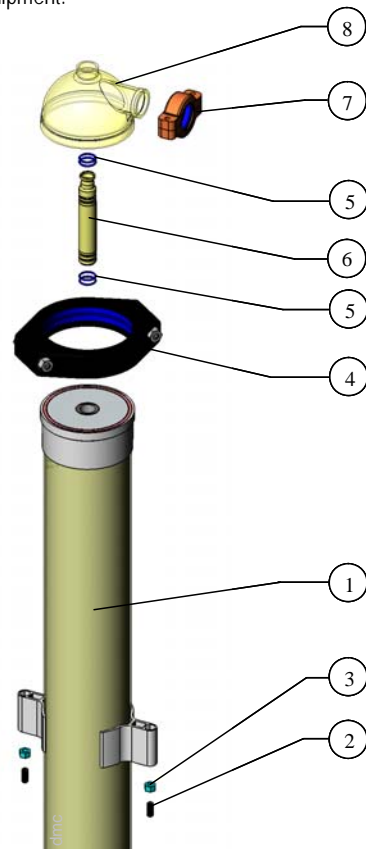
- Glycerin @ 80 – 100% (best)
- Phosphoric acid @ pH 2 – 3
- Benzoic acid or sodium benzoate @ 1,000 ppm
- Sodium bisulfite or sodium metabisulfite @ 1,000 – 5,000 ppm

Cartridges stored in sodium bisulfite or sodium metabisulfite should be flushed with clean water and impregnated with fresh solution at six-month intervals. Once impregnated the cartridges should be left on the system with all valves closed or removed from the system and sealed in plastic bags. Storage conditions described above for new cartridges should be used for storage of used cartridges. Cartridges must be drained, rinsed and cleaned after storage per the pre-startup cleaning instruction sheet packed with each cartridge shipment.

CARTRIDGE ASSEMBLY AND COMPONENTS:

| Item | Description | | KMS Part Number |
|------|-----------------------------------|--------|-------------------|
| 1 | 8" HF Cartridge | 1 each | See first page |
| 2 | Leveling Hardware (Screw ½" X 13) | 2 each | 1002443 |
| 3 | Leveling Hardware (Nut ½" X 13) | 2 each | 1002443 |
| 4 | 8" Coupling Set (gasket included) | 2 each | 0151303 |
| 5 | O-Ring, Permeate Adapter | 8 each | 0211022 |
| 6 | Permeate Adapter | 2 each | 1002655 |
| 7 | 2" Coupling Set (gasket included) | 2 sets | 0151304 / 0151261 |
| 8 | End Cap | 2 each | 0040213 |

Kit Process Pass for 8" cartridge – KMS Part Number: 0220158.



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