

# ROP-MB1-40 / ROP-MB5-40

**ROP-MB** High Purity Polypropylene Melt Blown Cartridge

## **Application Examples:**

Reverse Osmosis pre-treatment, resins, sea water desalination, beverages, cosmetics, pure water pre-filtration.



## **Main Characteristics**

- ✓ **Graded Pore Structure Enhances Dirt Holding Capacity & Filtration Efficiency**
- ✓ **Easy and Safe Cartridge Incineration or Disposal**
- ✓ **100% Polypropylene Construction**
- ✓ **Cartridges are Free of Surfactants, Binders and Adhesives**
- ✓ **Cartridges Materials are FDA Listed for Food and Beverage Contact**
- ✓ **Materials are NSF Certified**

## **ROP-MB Technical Specifications**

### **Dimensions:**

- **Outside Diameter: 2.5" (63mm)**
- **Inside Diameter: 1.1" (28mm)**
- **Length: 4" (1016mm)**

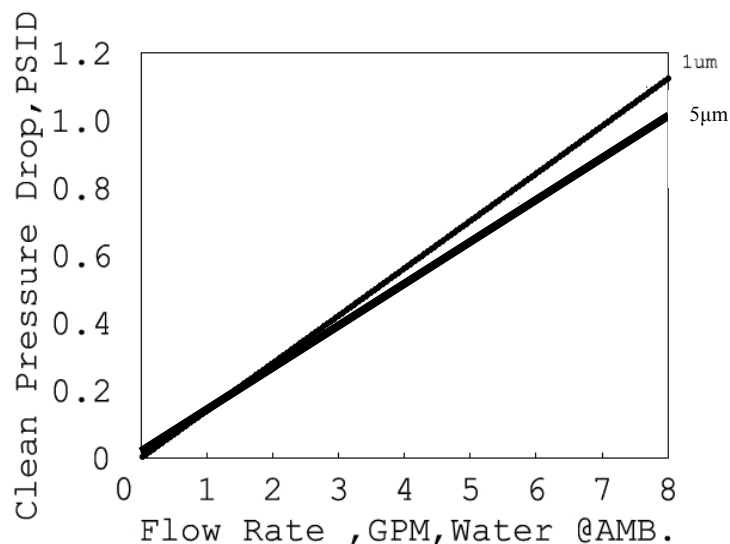
### **Materials of Construction:**

- **Filter Media: Melt Blown Polypropylene**
- **End Caps: Polypropylene**

## Cartridge Performance Specifications

- Retention Rating: 1  $\mu\text{m}$  , 5  $\mu\text{m}$
- Recommended Change Out Differential Pressure: 35 psid (2.4 bar)
- Maximum Differential Pressure:
  - 50 psid (3.45 bar) @ ambient
  - 25 psid (1.72 bar) @ 140°F (60°C)
- Purity: All ROP-MB Cartridges are Free of Surfactants, Anti-static Agents, Binders and Adhesives
- FDA Listed Materials: Manufactured from Materials which are FDA Listed for Food Contact Applications in Title 21 of the U.S. Code of Federal Regulations
- Excellent Compatibility for Potable Water

### Flow Rate Vs. Initial Press Drop



※Based on 10" filter cartridge