PFI FILTRATION / INDUSTRIAL WATER TREATMENT

PFI MB SERIES

MELT BLOWN FILTER CARTRIDGE

CORELESS • 30 / 40 INCH • 1–25 MICRON NOMINAL



ENGINEERED FOR INDUSTRIAL FILTRATION

Power Plant / PLTU | SWRO & BWRO Pretreatment

EPC Procurement | OEM Replacement | Plant Maintenance

TECHNICAL PRODUCT CATALOG • NOVEMBER 2026

Conceptual SWRO installation visualization — not a photograph of an actual PFI installation.

TECHNICAL SPECIFICATION

PFI MB Series • Polypropylene depth filtration

CORELESS CONSTRUCTION

Thermally bonded 100% PP fibers with smooth surface and 2-tier density depth filtration structure.

Filter media	100% Polypropylene (PP)
Product type	Melt Blown Depth Filter Cartridge
Filtration rating	1, 5, 10, 25 micron — Nominal
Lengths	30 inch (762 mm); 40 inch (1016 mm)
Construction	Thermally bonded PP fibers
Inner core / surface	Coreless / Smooth
Filtration structure	2 Tier Density Depth Filtration
Outside diameter	60–61 mm nominal
Inside diameter	28 mm nominal
End connection	DOE — Double Open End
Max. operating temperature	52°C
Max. cartridge differential pressure	2.8 bar @ 25°C
Recommended change-out ΔP	30 PSID (approx. 2.0 bar)

ENGINEERING LIMITATIONS

Nominal rating is not an absolute particle-retention claim.

2.8 bar refers to cartridge differential pressure, not housing design pressure.

Verify DOE seating, seals, dimensional fit, fluid compatibility and process conditions.

Flow rate, dirt-holding capacity and service life are application-dependent.

MODEL SELECTION GUIDE

Six exact SKUs • 30 inch and 40 inch variants

AVAILABLE EXACT SKU CONFIGURATIONS

EXACT SKU	FILTRATION	LENGTH
MB-30-01	1 µm nominal	30 inch / 762 mm
MB-30-05	5 µm nominal	30 inch / 762 mm
MB-40-01	1 µm nominal	40 inch / 1016 mm
MB-40-05	5 µm nominal	40 inch / 1016 mm
MB-40-10	10 µm nominal	40 inch / 1016 mm
MB-40-25	25 µm nominal	40 inch / 1016 mm

INDUSTRIAL APPLICATIONS

- Power Plant / PLTU utility water and water-treatment filtration
- SWRO / BWRO pretreatment, subject to system design verification
- EPC, OEM, maintenance replacement and repeat-order procurement

PROCUREMENT / REPLACEMENT CHECKLIST

Confirm exact SKU, micron rating, length, OD/ID, DOE end connection, housing seating/seals, process temperature, flow, ΔP and order quantity. Cartridge suitability must be validated for the actual operating system.

DISTRIBUTOR & SUPPLIER PFI MB SERIES — INDONESIA

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PFI Filtration — Trust the Water Treatment Parts Expert