GASFENDER™ M-TYPE (GSFMF-D) GAS FILTERS
Double-layer PTFE membrane filter
for use in inert and most speciality gases

GASFENDER™ M-TYPE INLINE GAS FILTERS

FLUOROPOLYMER CORE WITH DOUBLE-LAYER PTFE MEMBRANE FILTERS FOR INERT AND MOST SPECIALITY GASES

Cobetter's Gasfender™ M-Type GSFMP-D Series gas filters are ideal for high-purity gas systems which require a filtration rating of 0.003 microns. With a fluoropolymer internal core and double-layer PTFE membrane, this filter can be used in inert and most specialty gases. This filter has a compact design and is well suited for tight gas panel and stick installations.

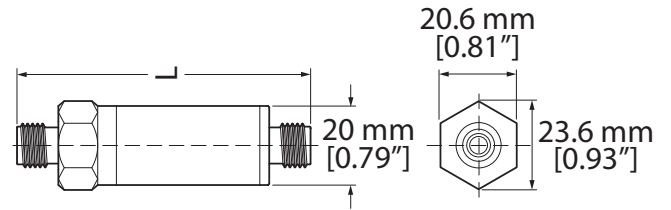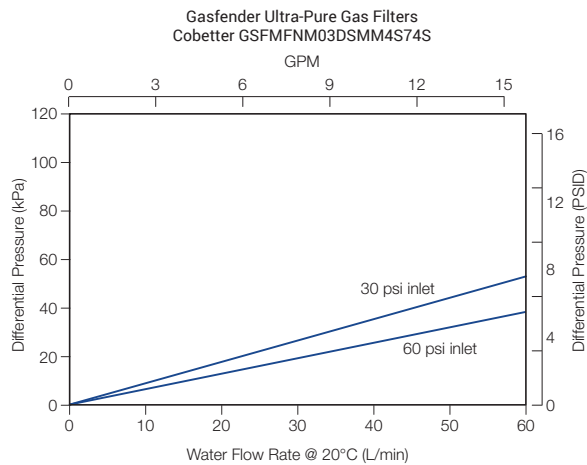| FEATURE	BENEFIT
316L Stainless steel with internal electropolish finish	Provides good corrosion resistance
Double-layer PTFE membrane	Provides high efficiency
Compact size with industry-standard fittings	Easy installation into new and existing gas panels, gas cabinets, gas supply sticks, equipment, and tools.
Manufactured in a Cleanroom	Manufactured in a clean room environment to ensure product cleanliness and integrity.

Typical Applications
- Gas panels
- Gas cabinets
- Gas supply sticks

SPECIFICATIONS

Filter media	PTFE (double-layer)
Filter core	PFA
Internal O-ring	Encapsulated FKM
Filter housing	316L Stainless Steel
Internal surface finish	≤ 20 µin Ra electropolished
Removal rating	0.003 µm
Fittings	SW (Swagelok® compatible) or Gasket Seal (VCR® compatible)
Fitting size	1/4", 3/8", 1/2"
Max. operating pressure	0.55 MPa (5.5 bar, 80 psi)
Max. differential pressure	Forward: 0.55 MPa (5.5 bar, 80 psi) at 21°C Reverse: 0.37 MPa (3.7 bar, 54 psi) at 21°C
Max. operating temperature	121°C
Helium leak rating	Test @ 1 x 10^{-9} cc/min.

FLOW CURVES

Gasfender Ultra-Pure Gas Filters
Cobetter GSFMFNM03DSMM4S74S

ORDERING INFORMATION

Part Number	Accessory	Fitting Option	Inlet	Outlet	Overall Length
GSFMFNM03DVMM4S85S	-	1/4" Gasket Seal (VCR Compatible)	Male	Male	85.0±1.0 mm (3.35")
GSFMFNM03DVFM4S88S	-	1/4" Gasket Seal (VCR Compatible)	Female	Male	88.0±1.0 mm (3.47")
GSFMFNM03DSMM4S74S	-	1/4" SW (Swagelok Compatible)	Male	Male	74.0±1.0 mm (2.91")
GSFMFNM03DVMF4L00S	-	1/4" Gasket Seal (VCR Compatible)	Male	Female	100.0±1.0 mm (3.94")
GSFMFNM03DSMM4S74SN	with nuts	1/4" SW (Swagelok Compatible)	Male	Male	74.0±1.0 mm (2.91")
GSFMFNM03DSMM6S74SN	with nuts	3/8" SW (Swagelok Compatible)	Male	Male	74.0±1.0 mm (2.91")
GSFMFNM03DVMM8S85S	-	1/2" Gasket Seal (VCR Compatible)	Male	Male	85.0±1.0 mm (3.35")
GSFMFNM03DSMM4S74SN	with nuts	1/4" SW (Swagelok Compatible)	Male	Male	74.0±1.0 mm (2.91")
GSFMFNM03DSMM8S74S	-	1/2" SW (Swagelok Compatible)	Male	Male	74.0±1.0 mm (2.91")