

Classic Filters

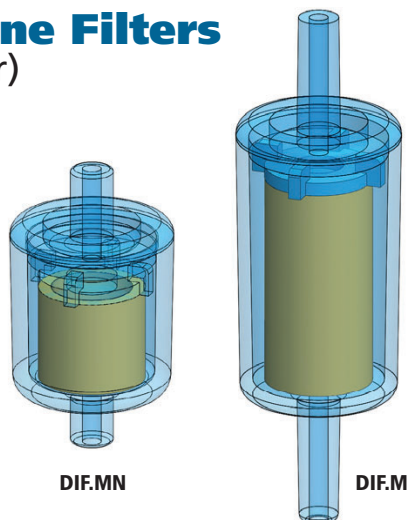
DIF (M,N,K) Small Disposable In-Line Filters 1/4" or 6 mm Spigots, Pressure to 115 PSI (8 Bar)

DESCRIPTION

Disposable In-Line Filters (DIF:M,N,K) consist of permanently welded housings with encapsulated microfiber filter elements. This makes them ideal for portable analyzers and other analysis systems requiring a robust and easily replaceable filter.

A choice of body materials makes them suitable for a wide range of chemical environments. The units on this page are designed for particulate removal in gas and liquid applications.

The K type filter element is fitted as standard, but other element types can also be installed.



SPECIFICATIONS TABLE 1								
Housing Model	DIF.MN	DIF.MN_6mm	DIF.MK	DIF.MK_6mm	DIF.N	DIF.N_6mm	DIF.K	DIF.K_6mm
Port Spigot Size	Ø 1/4"	Ø 6mm	Ø 1/4"	Ø 6mm	Ø 1/4"	Ø 6mm	Ø 1/4"	Ø 6mm
Max. Pressure, PSI (bar)	115 (8)		65 (4)		115 (8)		65 (4)	
Max. Temperature, °F (°C)								
At 0 Pressure	230 (110)		248 (120)		230 (110)		248 (120)	
At Maximum Pressure	122 (50)							
Materials of Construction								
Body	PA (Polyamide)		PVDF (Polyvinylidene Difluoride)		PA (Polyamide)		PVDF (Polyvinylidene Difluoride)	
Filter Element Size	12-16 (12 mm I.D. x 16 mm length)				12-32 (12 mm I.D. x 32 mm length)			
Standard Element	Borosilicate Glass Microfibers, K-Type Binder (PVDF); Other binder types are available.							
Principal Dimensions in Inches (mm)								
Diameter	1.0 (25)							
Body Length	1.09 (27.5)				1.70 (43.5)			
Spigot Length	0.29 (7.5)				0.79 (20)			
Volume, cc	6				11			

Efficiency

Each filter element type is available in a selection of grades covering a efficiency range from coarse bulk contamination removal and the essentially complete removal of submicron particles.

PARTICULATE APPLICATIONS GRADE SELECTION TABLE- GAS TABLE 2							
% Removal of 0.1 micron particles							
Binder Type	Description	+99.99998%	+99.9999%	+99.99%	+99.5%	+95%	+75%
E	Epoxy Ester	3E	4E	5E	6E	7E	8E
K	PVDF Flouro-carbon	3K	4K	5K	6K	7K	8K
S	Silica Inorganic	3S	4S	5S	6S	7S	8S
L	Silicone	-	4L	-	6L	-	-



PARTICULATE APPLICATIONS GRADE SELECTION TABLE- LIQUID TABLE 3

+98% Removal of particles at stated size

Binder Type	Description	0.3 μm	1 μm	2 μm	8 μm	25 μm	75 μm
E	Epoxy Ester	3E	4E	5E	6E	7E	8E
K	PVDF Flouro-carbon	3K	4K	5K	6K	7K	8K
S	Silica Inorganic	3S	4S	5S	6S	7S	8S

ORDERING INFORMATION

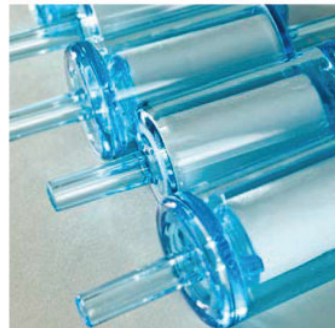
- 1) Select Housing Model (Table 1)
- 2) Select Binder and grade Part Number (Tables 2 or 3)

Part number example for 1/4" spigot size: DIF.M.4K

Part number example for 6 mm spigot size: DIF.M.4K.6mm

See the complete catalog of Classic Filter products on our website for details regarding:

- Product selection guides, construction and specification details
- Complete range of particulate and coalescing type filter cartridges and media products
- Complete range of adsorber cartridges and media products



Take a look at our comprehensive product range to see if we have what you need to solve your filtration problems. If not, get in touch and we will make it for you, according to your particular specifications and requirements.