

Diesel DFI/DFIX/DMG Series Filtration Elements

Facet high-efficiency filter elements remove fine particulate contamination from diesel fuel during storage, handling, and transfer operations.

Suitable for use across the full distribution chain from refineries and bulk terminals to point-of-use dispensing, these elements help maintain fuel cleanliness in accordance with OEM and ISO cleanliness requirements.

Facet offers three different styles for meeting operational goals:

- **DFI:** A standard cellulose media for dependable particulate removal and Beta 200 efficiency
- **DFIX:** An enhanced cellulose design with increased surface area for higher dirt-holding capacity and up to 20% longer service intervals
- **DMG:** Advanced microglass media offering Beta 1000 efficiency and double the element life compared to standard cellulose elements

Specifications

- Standard Lengths: 14", 18", 29", 36", 44", 56"
- Micron Ratings Available: 1, 5, 10, 25
- Outside Diameter: 6" (152 mm)
- Standard Inside Diameter: 3.5" (89 mm)
- Flow Direction: Outside to In
- Max Operating Temperature: 240 °F (115 °C)
- Max Differential Pressure: 75 psi (5.17 bar)
- Available Configurations: Double Open-Ended or Screw Base
- Standard Gasket: Buna-N
- Power-Coated Hardware
- Plastisol Adhesive



Part Number Builder

D	Model	6	Length	—	Micron	Inside Diameter	End Cap Style	Gasket
	Model		Length		Micron	Inside Diameter	End Cap Style	Gasket
FI	$\beta_x \geq 200$ Cellulose	14	14" (356 mm)	32 gpm (121 lpm)	1A	- 3.5" (89 mm)	SB Screw Base	- Buna-N
FIX	$\beta_x \geq 200$ Cellulose w/ extended life	18	18" (457 mm)	80 gpm (306 lpm)	1	D 2.63" (67 mm)	- Double Open-Ended	V Viton
MG	$\beta_x \geq 1000$ Microglass	29	29" (737 mm)	65 gpm (246 lpm)	5			
		36	36" (914 mm)	80 gpm (306 lpm)	10			
		44	44" (1118 mm)	100 gpm (378 lpm)	25			
		56	56" (1422 mm)	128 gpm (484 lpm)				

ISO Cleanliness Codes

Style	Micron Options				
	1A	1	5	10	25
DFI	9/8/6	11/8/7	15/11/9	18/16/13	23/21/15
DFIX	-	12/11/7	15/11/8	18/16/13	23/21/15
DMG	-	-	13/11/9	-	20/17/10

Examples

Part Number	Efficiency	Length	Micron	Configuration
DFI-644-1SB	$\beta_x \geq 200$ Cellulose	44"	1	Screw Base
DMG-656-5	$\beta_x \geq 1000$ Microglass	56"	5	Double Open-Ended

Modern diesel injectors have extremely tight clearances, making fuel cleanliness critical to preventing wear, failures, and downtime. ISO 4406 cleanliness codes quantify how many particles of harmful sizes remain in fuel after filtration, directly linking filter performance to OEM and warranty requirements.

Selecting the right filter for your application means choosing an element that consistently achieves the ISO cleanliness code required to meet your equipment's protection needs.

DONALDSON COMPANY, INC.

IMPORTANT NOTICE: Many factors beyond the control of Donaldson can affect the use, performance, or results of Donaldson products or services in a particular application, including the conditions impacting how the products or services are selected, used, installed, or maintained. Because these factors are uniquely within the user's knowledge and control, it is essential the user evaluate both the products and any related services to determine their suitability for the user's intended purpose and application, including fitness for the particular purpose. All products, services, product specifications, availability and data are subject to change without notice and may vary by region or country.

© 2026 Donaldson Company, Inc. All rights reserved. Donaldson Company, Inc. reserves the right to change or discontinue any model or specification at any time and without notice.