



MFD

Coalescing Filters

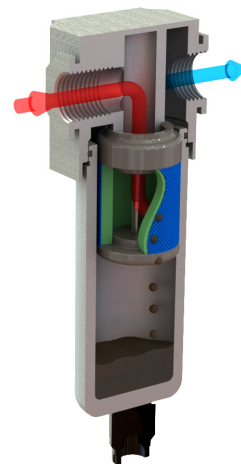
Coalescing filters protect sensitive pneumatic equipment from the harmful effects of air line contamination. MFD's coalescing filters are capable of removing fine oil mist and contamination down to 0.01μ . Available in a variety of sizes, MFD coalescing filters can be mounted individually or connected to an FRL with available modular connector kits.

Features and Benefits

- **Protect Sensitive Equipment**
 - Remove fine oil mist and contamination down to 0.01μ
 - Dual-layer filter element captures particles and allows coalesced droplets to fall into the filter bowl
- **Clean, International Look**
 - Mount individually via the supplied mounting bracket or connect to other FRL components with available modular connector kits

Principles of Operation

- Large particles are retained as they impact the filter media.
- Smaller particles and oil droplets are attracted to microscopic borosilicate fibers within the filter media.
- Particles grow in size as they travel through the filter and coalesce on the porous outer drainage layer.
- Coalesced liquid falls into the filter bowl and clean air exits the filter body.



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Leaders in Actuation.

MFD-MGFB-0615

To learn more about this product, scan this QR code with your mobile device.



How to Order

MGFB 300 - 08 - S - 1 - D

MODEL	PORT SIZE	DRAIN	FILTERING	BOWL TYPE
200 300 400	06 - 1/8 NPT (200 Series) 08 - 1/4 NPT (200, 300 Series) 10 - 3/8 NPT (300 Series) 15 - 1/2 NPT (400 Series)	Blank - Auto Drain ¹ M - Manual Drain S - Semi-Auto Drain	1 - 0.01μ Coalescing	Blank - Polycarbonate Bowl with Metal Bowl Guard ² D - Metal Bowl

¹ Not available on 200 series

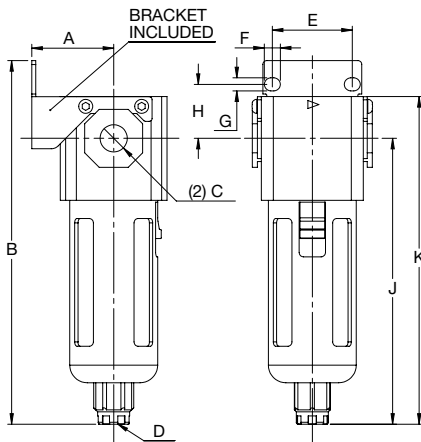
² 200 series has polycarbonate bowl with no guard

Specifications

Model	MGFB200	MGFB300	MGFB400
Fluid	Air to be filtered to 5μ or better		
Pressure Range	Semi- Auto and Auto Drain: 25 to 130 PSI (0.17 to 0.9 MPa) Manual Drain: 7 to 130 PSI (0.05 to 0.9 MPa)		
Proof Pressure	215 PSI (1.5 MPa)		
Temperature Range	23 to 158 °F (-5 to 70 °C)		
Filtration Rating	0.01μ (95% efficiency)		
Max Flow Rate³	5 SCFM	10 SCFM	20 SCFM
Polycarbonate Bowl Capacity	0.34 FL OZ (10CC)	1.35 FL OZ (40CC)	2.7 FL OZ (80CC)
Metal Bowl Capacity	0.57 FL OZ (17CC)	1.35 FL OZ (40CC)	2.7 FL OZ (80CC)
Bowl Material	Polycarbonate Bowl or Metal Bowl with Polycarbonate Level Indicator	Polycarbonate Bowl with Metal Bowl Guard or Metal Bowl with Polycarbonate Level Indicator	
Material	Aluminum Alloy Body		
Mounting	Individual Stamped Steel Bracket or Modular Connecting Kit		
Includes	Stamped Steel Bracket		

³ Maximum rated flow at 85 PSI inlet pressure for coalescing function

Dimensions (mm)



Model	A	B	C	D	E	F	G	H	J	K
MGFB200-06	30	123* 137**	1/8 NPT	--	27	2.4	5.4	23	93* 107**	110* 124**
MGFB200-08	30	123* 137**	1/4 NPT	--	27	2.4	5.4	23	93* 107**	110* 124**
MGFB300-08	41	182	1/4 NPT	G 1/8	40	8	6.5	27	143	164
MGFB300-10	41	182	3/8 NPT	G 1/8	40	8	6.5	27	143	164
MGFB400-15	50	208	1/2 NPT	G 1/4	55	11	8.6	33.5	166.5	191.5

* Polycarbonate Bowl

** Metal Bowl

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Worldwide distribution means there is a professional stocking Bimba distributor nearby ready to service your needs.