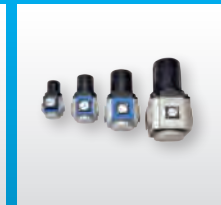




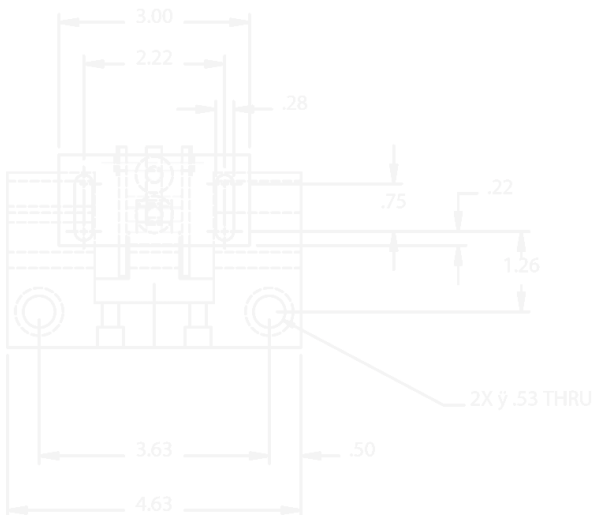
MFD

Air Preparation Equipment



Setting a new standard for:

- Quality
- Reliability
- Value
- Global Compatibility



MFD Air Preparation Equipment

Filters MGF Series



MGF300 - 08 - S - W - D

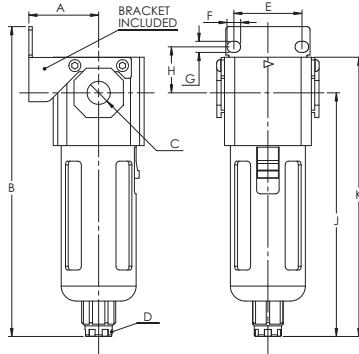
MODEL	PORT SIZE	DRAIN	FILTERING	BOWL TYPE
200	06 - 1/8 NPT (200 Series)	Blank - Auto Drain ¹	Blank - 40µm	Blank - Polycarbonate with Metal Bowl Guard ²
300	08 - 1/4 NPT (200, 300 Series)	M - Manual Drain	W - 5µm	D - Metal Bowl ³
400	10 - 3/8 NPT (300 Series)	S - Semi-Auto Drain		
600	15 - 1/2 NPT (400 Series)			
	20 - 3/4 NPT (600 Series)			
	25 - 1 NPT (600 Series)			

¹not available on the 200 series

²-200 series has polycarbonate bowl with no guard

³-600 series is only available with -D metal bowl

Dimensions (mm, except where noted)

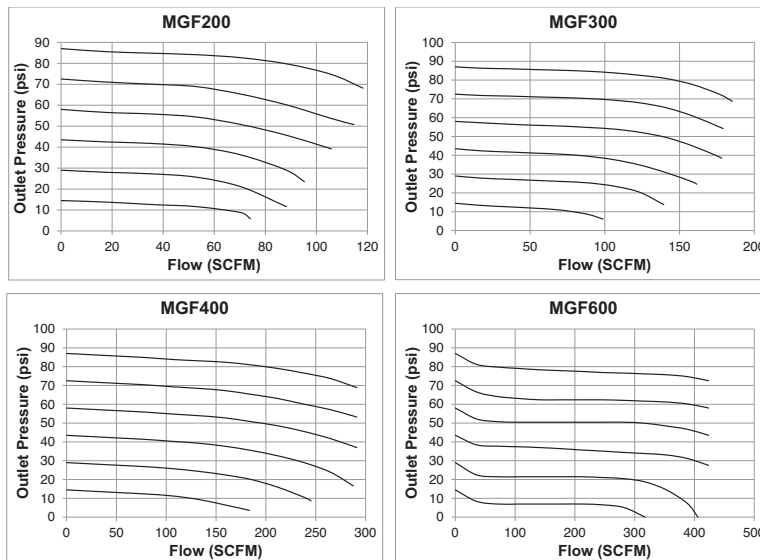


Model	A	B	C	D	E	F	G	H	J	K
MGF200-06	30	123	1/8 NPT	N/A	27	8.4	5.4	23	93	110
MGF200-08	30	123	1/4 NPT	N/A	27	8.4	5.4	23	93	110
MGF300-08	41	182	1/4 NPT	G 1/8	40	8	6.5	27	143	164
MGF300-10	41	182	3/8 NPT	G 1/8	40	8	6.5	27	143	164
MGF400-15	50	208	1/2 NPT	G 1/4	55	11	8.6	33.5	166.5	191.5
MGF600-20	70	280	3/4 NPT	G 1/4	66	13	11	50	219	256
MGF600-25	70	280	1 NPT	G 1/4	66	13	11	50	219	256

Model	MGF200	MGF300	MGF400	MGF600
Fluid	Air			
Pressure Range	20 to 130 PSI			
Proof Pressure	215 PSI			
Temperature Range	0 to 160 °F			
Polycarbonate Bowl Capacity	0.34 FL OZ	1.35 FL OZ	2.72 FL OZ	N/A
Metal Bowl Capacity	0.57 FL OZ	1.35 FL OZ	2.7 FL OZ	7.8 FL OZ
Bowl Material	Polycarbonate Bowl or Metal Bowl with Polycarbonate Level Indicator	Polycarbonate Bowl with Metal Bowl Guard or Metal Bowl with Polycarbonate Level Indicator		Metal Bowl with Polycarbonate Level Indicator
Body Material	Aluminum			
Mounting	Individual Bracket or Modular Kit			
Includes	Stamped Steel Bracket			

Performance Data

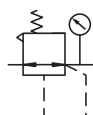
Flow Characteristics



MFD Air Preparation Equipment

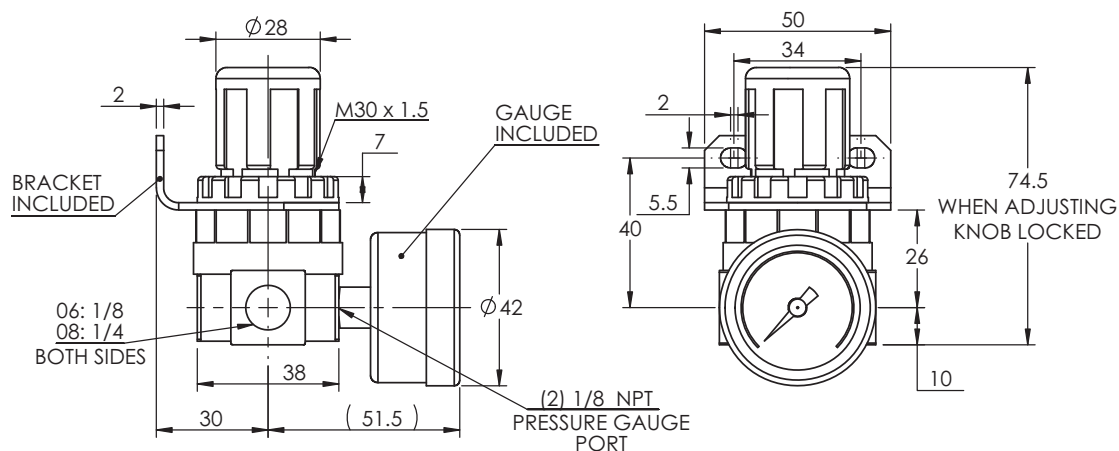
Mini Regulators

MSR Series



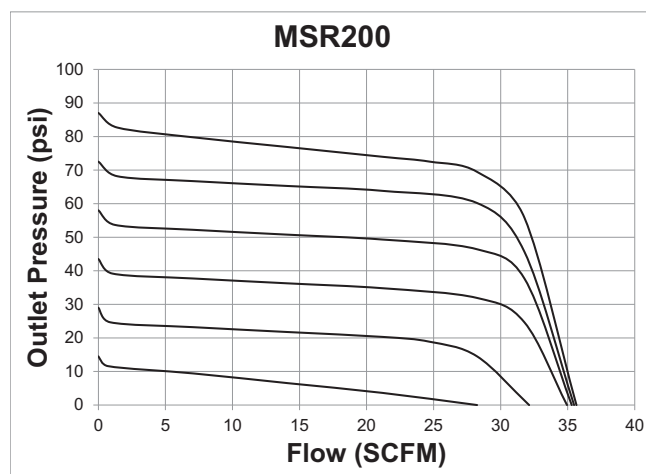
Model	MSR200-06	MSR200-08
Fluid	Air	
Port Size	1/8 NPT	1/4 NPT
Type	Relieving regulators with push to lock adjustment knobs	
Pressure Range	7 to 130 PSI	
Proof Pressure	215 PSI	
Temperature Range	0 to 160 °F	
Body Material	Aluminum	
Mounting	Individual Bracket	
Includes	Gauge / Stamped Steel Bracket / Nut / 2 Gauge locations	

Dimensions (mm, except where noted)

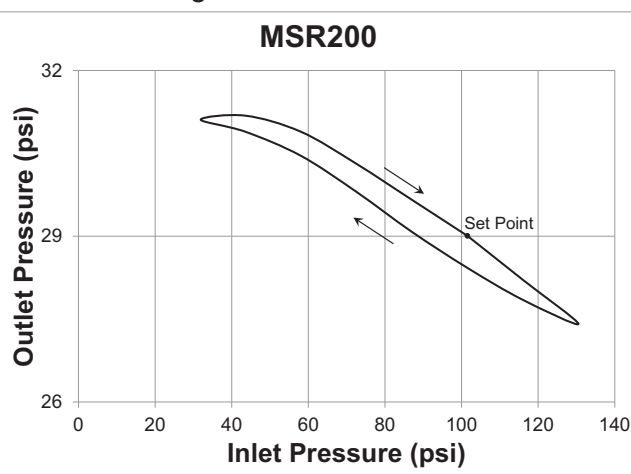


Performance Data

Flow Characteristics



Regulation Characteristics



MFD Air Preparation Equipment

General Purpose Regulators

MGR Series



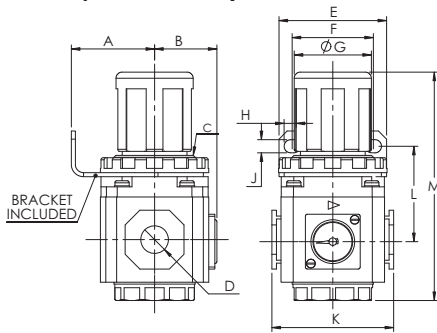
MGR300 - 08 - L - R

MODEL	PORT SIZE	PRESSURE RANGE	GAUGE TYPE
200	06 - 1/8 NPT (200 Series)	Blank - 7-130 PSI	Blank - Square/Flush
300	08 - 1/4 NPT (200, 300 Series)	L - 7-60 PSI ¹	R - Round/Port-Mounted ²
400	10 - 3/8 NPT (300 Series)		
600	15 - 1/2 NPT (400 Series)		
	20 - 3/4 NPT (600 Series)		
	25 - 1 NPT (600 Series)		

¹L only available with 200 and 300 series

²See page 13 for dimensions

Dimensions (mm, except where noted)

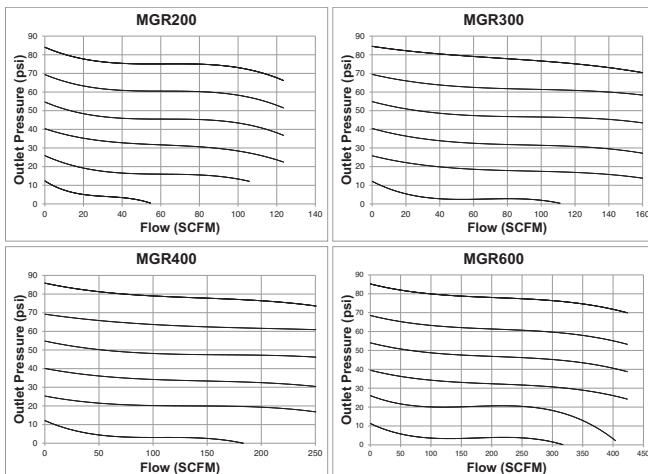


Model	A	B	C	D	E	F	G	H	J	K	L	M
MGR200-06	30	32	M30 x 1.5	1/8 NPT	55	34	28	15.5	5.5	47	43	89
MGR200-08	30	32	M30 x 1.5	1/4 NPT	55	34	28	15.5	5.5	47	43	89
MGR300-08	41	31	M40 x 1.5	1/4 NPT	53	40	38	8	6.5	60	46	112.5
MGR300-10	41	31	M40 x 1.5	3/8 NPT	53	40	38	8	6.5	60	46	112.5
MGR400-15	50	40	M55 x 2.0	1/2 NPT	72	55	52	11	8.5	80	53	140.5
MGR600-20	70	48	M68 x 1.5	3/4 NPT	90	66	64	13	11	99	73.5	191.5
MGR600-25	70	48	M68 x 1.5	1 NPT	90	66	64	13	11	99	73.5	191.5

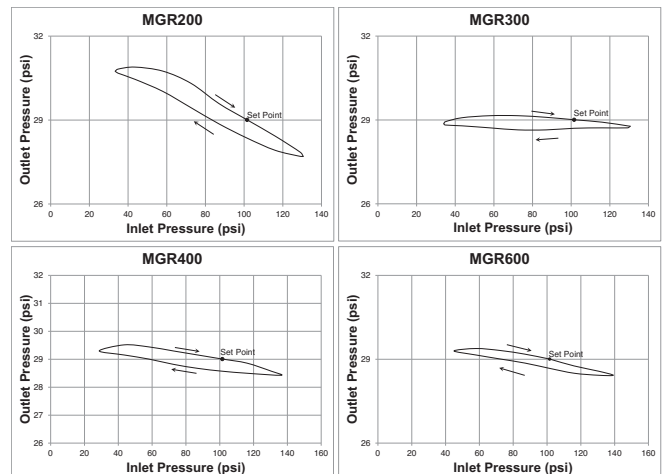
Model	MGR
Fluid	Air
Type	Relieving regulators with push to lock adjustment knobs
Proof Pressure	215 PSI
Temperature Range	0 to 160 °F
Body Material	Aluminum
Mounting	Individual Bracket or Modular Kit
Includes	Gauge / Stamped Steel Bracket / Nut / 2 Gauge locations

Performance Data

Flow Characteristics



Regulation Characteristics



MFD Air Preparation Equipment

General Purpose Lubricators

MGL Series

MGL300 - 08 - D

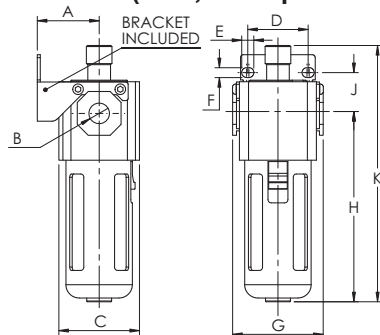


MODEL	PORT SIZE	BOWL TYPE
200	06 - 1/8 NPT (200 Series)	Blank - Polycarbonate with Metal Bowl Guard ¹ D - Metal Bowl ²
300	08 - 1/4 NPT (200, 300 Series)	
400	10 - 3/8 NPT (300 Series)	
600	15 - 1/2 NPT (400 Series)	
	20 - 3/4 NPT (600 Series)	
	25 - 1 NPT (600 Series)	

¹-200 series has polycarbonate bowl with no guard

²-600 series is only available with -D metal bowl

Dimensions (mm, except where noted)

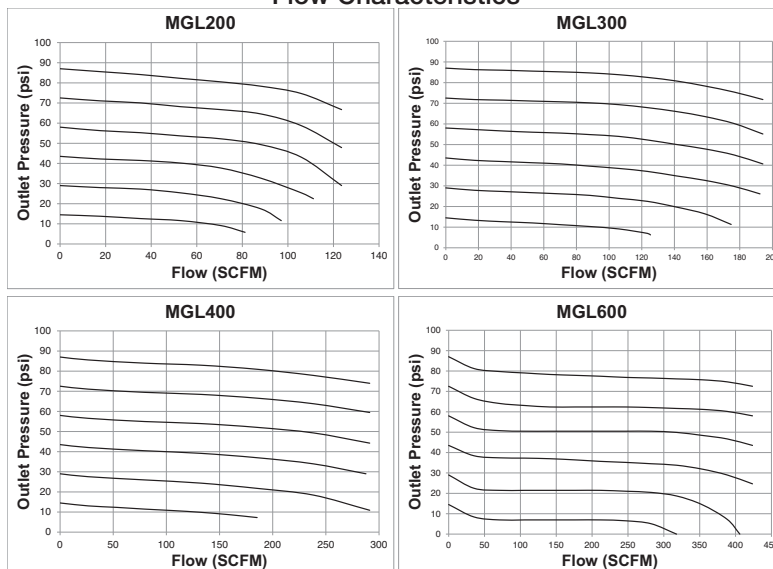


Model	A	B	C	D	E	F	G	H	J	K
MGL200-06	30	1/8 NPT	40	27	8.5	5.5	47	80	23	119
MGL200-08	30	1/4 NPT	40	27	8.5	5.5	47	80	23	119
MGL300-08	41	1/4 NPT	53.5	40	8	6.5	60	125	27	169
MGL300-10	41	3/8 NPT	53.5	40	8	6.5	60	125	27	169
MGL400-15	50	1/2 NPT	71	55	11	8.5	80	142	33.5	190
MGL600-20	70	3/4 NPT	89	66	13	11	99	194.5	50	256
MGL600-25	70	1 NPT	89	66	13	11	99	194.5	50	256

Model	MGL200	MGL300	MGL400	MGL600
Fluid	Air			
Type	Fine Oil Mist			
Pressure Range	7 to 130 PSI			
Proof Pressure	215 PSI			
Temperature Range	0 to 160°F			
Polycarbonate Oil Bowl Capacity	0.85 FL OZ	2.5 FL OZ	5.4 FL OZ	N/A
Metal Bowl Oil Capacity	1.08 FL OZ	2.5 FL OZ	5.4 FL OZ	12.8 FL OZ
Bowl Material	Polycarbonate Bowl or Metal Bowl with Polycarbonate Level Indicator	Polycarbonate Bowl with Metal Bowl Guard or Metal Bowl with Polycarbonate Level Indicator		Metal Bowl with Polycarbonate Level Indicator
Body Material	Aluminum			
Recommended Lubricant	Non-Detergent SAE10, ISO VG32, or equivalent			
Mounting	Individual Bracket or Modular Kit			
Includes	Stamped Steel Bracket			

Performance Data

Flow Characteristics



MFD Air Preparation Equipment

Filter - Regulators

MGFR Series



MODEL
200
300
400
600

MGFR300 - 08 - S - W - D - R

PORT SIZE	DRAIN	FILTERING	BOWL TYPE	GAUGE TYPE
06 - 1/8 NPT (200 Series)	Blank - Auto Drain ¹	Blank - 40µm	Blank - Polycarbonate with Metal Bowl Guard ²	Blank - Square/Flush
08 - 1/4 NPT (200, 300 Series)	M - Manual Drain	W - 5µm	D - Metal Bowl ³	R - Round/Port-Mounted ⁴
10 - 3/8 NPT (300 Series)	S - Semi-Auto Drain			
15 - 1/2 NPT (400 Series)				
20 - 3/4 NPT (600 Series)				
25 - 1 NPT (600 Series)				

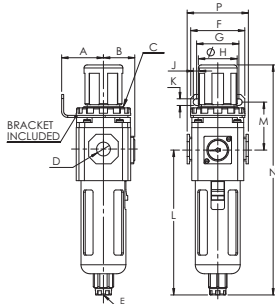
¹not available on the 200 series

²-200 series has polycarbonate bowl with no guard

³-600 series is only available with -D metal bowl

⁴See page 13 for dimensions

Dimensions (mm, except where noted)

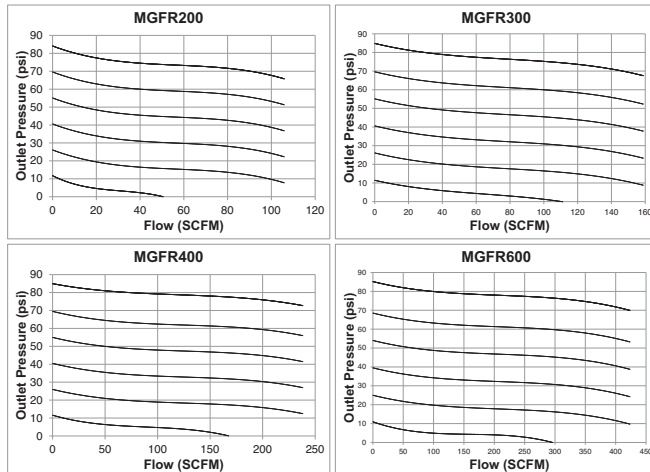


Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P
MGFR200-06	30	32	M30 x 1.5	1/8 NPT	N/A	55	34	28	15.5	5.5	93	48	161	47
MGFR200-08	30	32	M30 x 1.5	1/4 NPT	N/A	55	34	28	15.5	5.5	93	48	161	47
MGFR300-08	41	31	M40 x 1.5	1/4 NPT	G 1/8	53	40	38	8	6.5	143	46	225.5	60
MGFR300-10	41	31	M40 x 1.5	3/8 NPT	G 1/8	53	40	38	8	6.5	143	46	225.5	60
MGFR400-15	50	40	M55 x 2.0	1/2 NPT	G 1/4	72	52	52	11	8.5	166.5	53	270.5	80
MGFR600-20	70	47.7	M68 x 1.5	3/4 NPT	G 1/4	90	66	64	13	11	219	76	363	99
MGFR600-25	70	47.7	M68 x 1.5	1 NPT	G 1/4	90	66	64	13	11	219	76	363	99

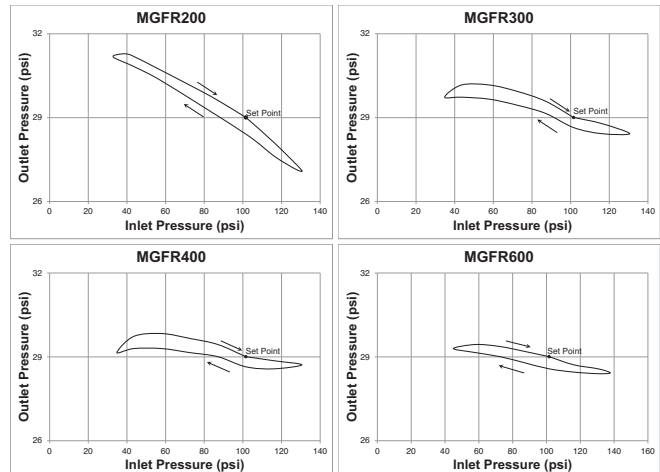
Model	MGFR200	MGFR300	MGFR400	MGFR600
Fluid	Air			
Type	Relieving regulators with push to lock adjustment knobs			
Pressure Range	20 to 130 PSI			
Proof Pressure	215 PSI			
Temperature Range	0 to 160°F			
Polycarbonate Bowl Capacity	0.34 FL OZ	1.35 FL OZ	2.7 FL OZ	N/A
Metal Bowl Capacity	0.57 FL OZ	1.35 FL OZ	2.7 FL OZ	7.8 FL OZ
Bowl Material	Polycarbonate Bowl or Metal Bowl with Polycarbonate Level Indicator	Polycarbonate Bowl with Metal Bowl Guard or Metal Bowl with Polycarbonate Level Indicator		Metal Bowl with Polycarbonate Level Indicator
Body Material	Aluminum			
Mounting	Individual Bracket or Modular Kit			
Includes	Stamped Steel Bracket / Nut			

Performance Data

Flow Characteristics



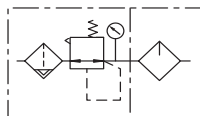
Regulation Characteristics



MFD Air Preparation Equipment

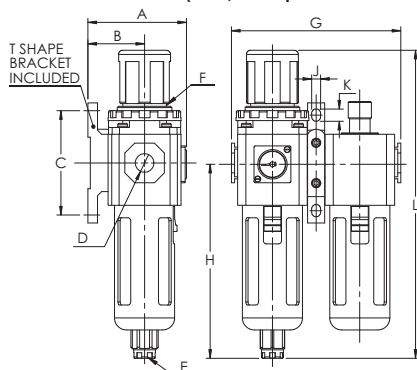
FRL Combination

MGFC Series



Model	MGFC200-06-S	MGFC200-08-S	MGFC300-08	MGFC300-10	MGFC400-15
Fluid	Air				
Port size	1/8 NPT	1/4 NPT	1/4 NPT	3/8 NPT	1/2 NPT
Type	Relieving regulators with push to lock adjustment knobs and fine oil mist lubricator				
Filtering	40µm standard (5µm optional)				
Pressure Range	20 to 130 PSI				
Proof Pressure	215 PSI				
Temperature Range	0 to 160°F				
Drain Bowl Capacity	0.34 FL OZ		1.35 FL OZ		2.7 FL OZ
Oil Bowl Capacity	0.85 FL OZ		2.5 FL OZ		5.4 FL OZ
Bowl Material	Polycarbonate bowl		Polycarbonate Bowl with Metal Bowl Guard		
Body Material	Aluminum				
Mounting	T-Bracket				
Recommended Lubricant	Non-Detergent SAE10, ISO VG32, or equivalent				
Drain	Semi-auto		Auto		
Includes	T-Bracket / Nut				

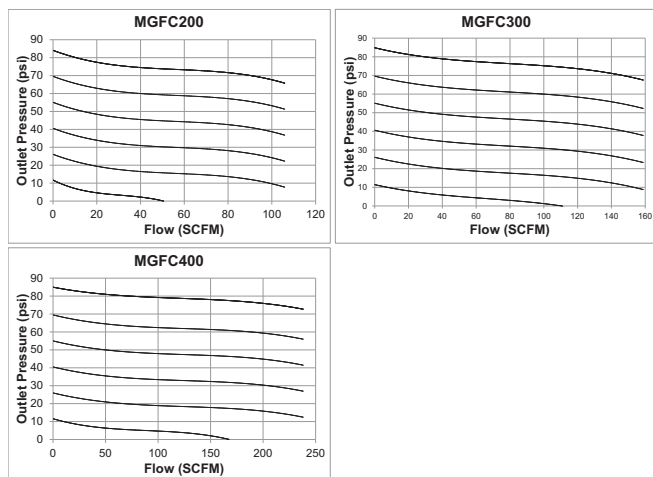
Dimensions (mm, except where noted)



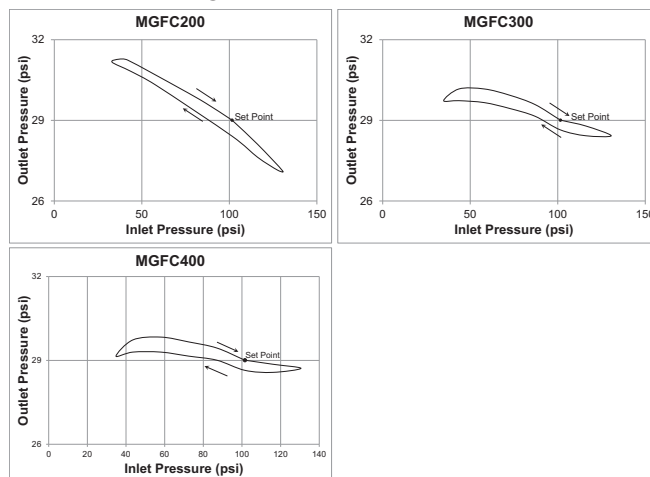
Model	A	B	C	D	E	F	G	H	J	K	L
MGFC200-06-S	62	30	50	1/8 NPT	N/A	M30 x 1.5	97	93	5.5	8.5	161
MGFC200-08-S	62	30	50	1/4 NPT	N/A	M30 x 1.5	97	93	5.5	8.5	161
MGFC300-08	72	41.5	70	1/4 NPT	G 1/8	M40 x 1.5	124	143	6.5	9	225.5
MGFC300-10	72	41.5	70	3/8 NPT	G 1/8	M40 x 1.5	124	143	6.5	9	225.5
MGFC400-15	89	50	80	1/2 NPT	G 1/4	M55 x 2.0	164	165.5	8.5	12	269.5

Performance Data

Flow Characteristics



Regulation Characteristics



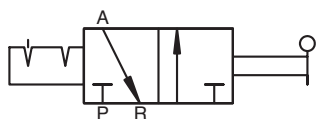
MFD Air Preparation Equipment

FRL Accessories

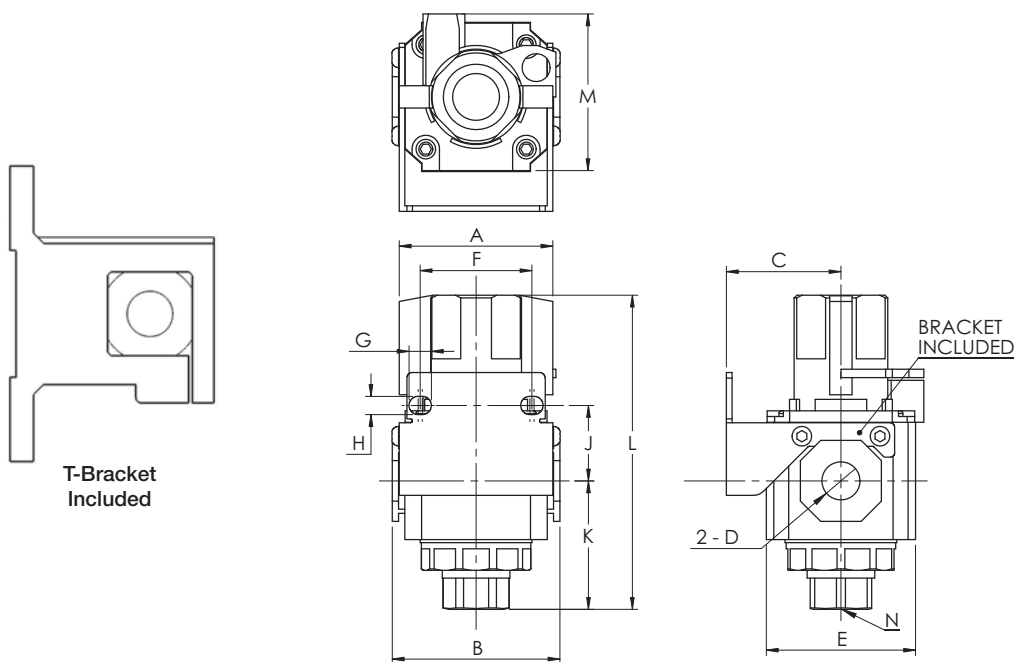
MGZ Series Pressure Relief Valve



Model	MGZ200-06-T	MGZ200-08-T	MGZ300-08-T	MGZ300-10-T	MGZ400-15-T
Fluid	Air				
Port Size	1/8 NPT	1/4 NPT	1/4 NPT	3/8 NPT	1/2 NPT
Acting Type	Manual				
Valve Type	3 ports - 2 position				
Pressure Range	0 to 130 PSI				
Proof Pressure	215 PSI				
Temperature Range	0 to 160°F				
Body Material	Aluminum				
Operating Angle	90° (Twist)				
Includes	T-Bracket / Stamped Steel Bracket / Lock				



Dimensions (mm, except where noted)

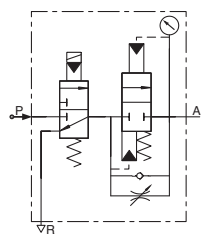


Model	A	B	C	D	E	F	G	H	J	K	L	M	N
MGZ200-06-T	42	47	30	1/8 NPT	40	27	8.5	5.5	23	36.5	89	42.5	1/4 NPT
MGZ200-08-T	42	47	30	1/4 NPT	40	27	8.5	5.5	23	36.5	89	42.5	1/4 NPT
MGZ300-08-T	55	60	41	1/4 NPT	53.4	40	8	6.5	27	46	112.5	56.5	3/8 NPT
MGZ300-10-T	55	60	41	3/8 NPT	53.4	40	8	6.5	27	46	112.5	56.5	3/8 NPT
MGZ400-15-T	65	75	50	1/2 NPT	64	55	11	8.5	33.5	58.5	134	66	1/2 NPT

MFD Air Preparation Equipment

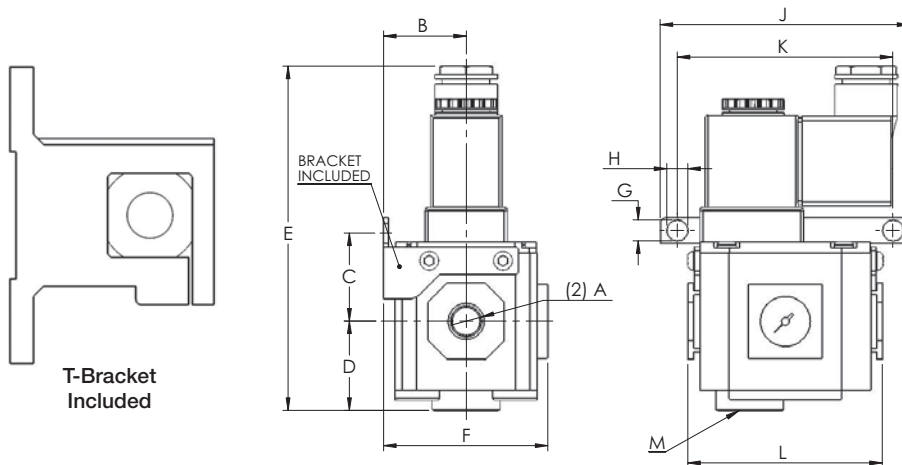
FRL Accessories

MGV Series Combination Soft-Start/Dump Valve



Model	MGV200-06-T-24VDC MGV200-06-T-110VAC	MGV200-08-T-24VDC MGV200-08-T-110VAC	MGV300-08-T-24VDC MGV300-08-T-110VAC	MGV300-10-T-24VDC MGV300-10-T-110VAC	MGV400-15-T-24VDC MGV400-15-T-110VAC
Fluid	Air				
Port Size	1/8 NPT	1/4 NPT	1/4 NPT	3/8 NPT	1/2 NPT
Exhaust Port Size	1/4 NPT		3/8 NPT		1/2 NPT
Acting Type	Solenoid Operated, 3/2 Soft-Start				
Pressure Range	35 to 130 PSI				
Proof Pressure	215 PSI				
Temperature Range	0 to 160°F				
Power Connection	DIN				
Voltage	110 VAC or 24 VDC				
Voltage Range	-15%~+10%				
Insulation	Class B				
Power Consumption	110 VAC: 3.5VA / 24 VDC: 2.5W				
Includes	T-Bracket / Stamped Steel Bracket				

Dimensions (mm, except where noted)



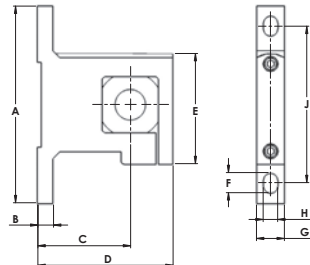
Model	A	B	C	D	E	F	G	H	J	K	L	M
MGV200-06	1/8 NPT	24.5	30.5	30	123.5	57	5.5	8	80	67	59	1/4 NPT
MGV200-08	1/4 NPT	24.5	30.5	30	123.5	57	5.5	8	80	67	59	1/4 NPT
MGV300-08	1/4 NPT	31.5	34.5	34	131	62.5	6.5	8	95	82	74	3/8 NPT
MGV300-10	3/8 NPT	31.5	34.5	34	131	62.5	6.5	8	95	82	74	3/8 NPT
MGV400-15	1/2 NPT	40.5	39	40.5	142.5	80	8.5	11	120	102	90	1/2 NPT

MFD Air Preparation Equipment

FRL Accessories

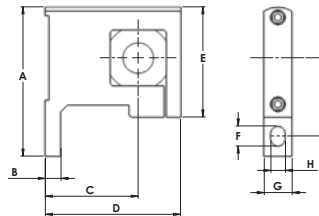
Dimensions (mm, except where noted)

T Bracket



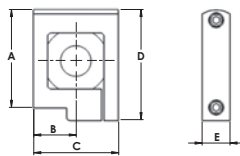
Model	A	B	C	D	E	F	G	H	J
MGA201-P1	66	5	30	45	38.3	8.5	11.5	8.5	50
MGA301-P1	88	7	41.5	60.5	49.3	9	12.5	6.5	70
MGA401-P1	104	7	50	76	58.5	12	15.5	8.6	80
MGA601-P1	128	10	70	104	79.5	16	19.5	11	100

L Bracket



Model	A	B	C	D	E	F	G	H	J
MGA202-P1	51.3	5	30	45	38.3	8.5	11.5	5.5	25
MGA302-P1	68.6	7	41.5	60.5	49.3	9	12.5	6.5	35
MGA402-P1	79.5	7	50	76	58.5	12	15.5	8.6	40
MGA602-P1	103.5	10	70	104	79.5	16	19.5	11	50

U Bracket



Model	A	B	C	D	E
MGA203-P1	35.5	15	30	38.3	11.5
MGA303-P1	43.8	19.5	38	49.3	12.5
MGA403-P1	52.5	26	52	58.5	15.5
MGA603-P1	76.5	34	68	79.5	19.5

Filter Elements



Model	Description	Material
MGF200-004-1	200 Series - 40 Micron Element Filter	Bronze
MGF200-004-2	200 Series - 5 Micron Element Filter	Plastic
MGF300-004-1	300 Series - 40 Micron Element Filter	Bronze
MGF300-004-2	300 Series - 5 Micron Element Filter	Plastic
MGF400-004-1	400 Series - 40 Micron Element Filter	Bronze
MGF400-004-2	400 Series - 5 Micron Element Filter	Plastic
MGF600-004-1	600 Series - 40 Micron Element Filter	Bronze
MGF600-004-2	600 Series - 5 Micron Element Filter	Bronze

MFD Air Preparation Equipment

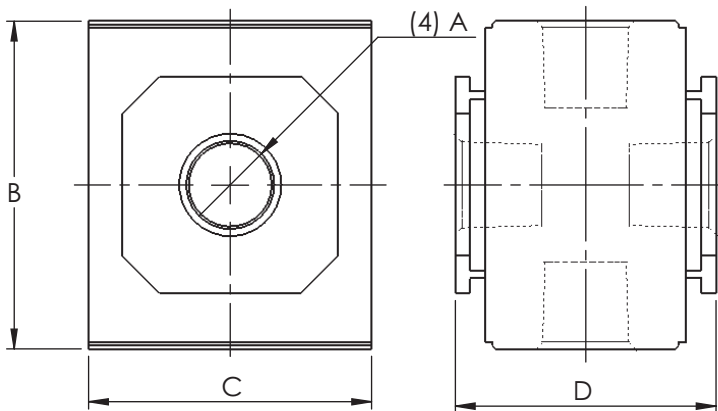
FRL Accessories

MGA Series Air Distribution Block

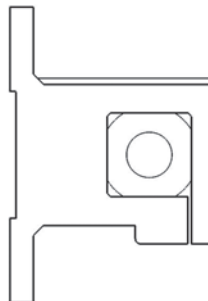


Model	MGA214-06-T	MGA214-08-T	MGA314-08-T	MGA314-10-T	MGA414-15-T
Fluid	Air				
Port Size	1/8 NPT	1/4 NPT	1/4 NPT	3/8 NPT	1/2 NPT
# of Auxiliary Ports	2				
Pressure Range	0 to 130 PSI				
Proof Pressure	215 PSI				
Temperature Range	0 to 160°F				
Includes	T-Bracket				

Dimensions (mm, except where noted)



Model	A	B	C	D
MGA214-06-T	1/8 NPT	36	30	28.5
MGA214-08-T	1/4 NPT	36	30	28.5
MGA314-08-T	1/4 NPT	44	38	35
MGA314-10-T	3/8 NPT	44	38	35
MGA414-15-T	1/2 NPT	52	52	42



T-Bracket
Included

MFD Air Preparation Equipment

FRL Accessories

Round Gauges / Adaptor Plates



- Round NPT gauges offer more precise readouts than square/flush gauges, allowing for pressure fine-tuning
- Gauges include both English and S.I. units for international machine requirements
- Round gauges are more visible/legible at greater distances than square/flush types

MGFR300 - 08 - S - W - D - R

TYPE	MODEL	PORT SIZE	DRAIN (MGFR only)	FILTERING (MGFR only)	BOWL TYPE (MGFR only)	GAUGE TYPE
MGFR	200	06 - 1/8 NPT (200 Series)	Blank - Auto Drain ¹	Blank - 40µm	Blank - Polycarbonate with Metal Bowl Guard ²	Blank - Square/Flush
MGR	300	08 - 1/4 NPT (200, 300 Series)	M - Manual Drain	W - 5µm	D - Metal Bowl ³	R - Round/Port-Mounted ⁴
	400	10 - 3/8 NPT (300 Series)	S - Semi-Auto Drain			
	600	15 - 1/2 NPT (400 Series)				
		20 - 3/4 NPT (600 Series)				
		25 - 1 NPT (600 Series)				

¹not available on the 200 series

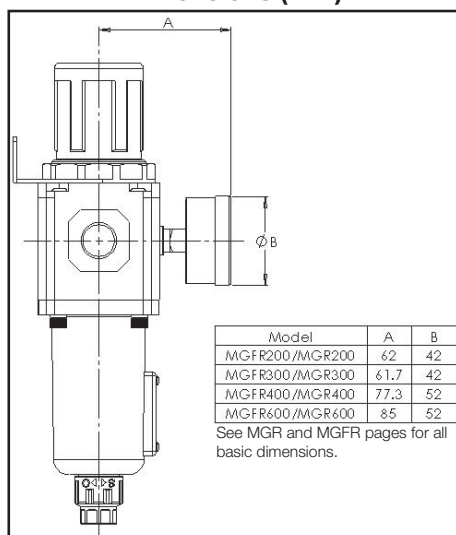
²-200 series has polycarbonate bowl with no guard

³-600 series comes standard with metal bowl

⁴See page 13 for dimensions

Part No.	Description
RGK-40	1/8 NPT, 40mm round gauge kit, with adaptor plate, 2 screws, and o-ring, 0-140 PSI, for use with 200 and 300 series regulators/filters-regulators
RGK-40-L	1/8 NPT, 40mm round gauge kit with adaptor plate, 2 screws, and o-ring, 0-60 PSI, for use with 200 and 300 series regulators/filters-regulators
RGK-50	1/4 NPT, 50mm round gauge kit with adaptor plate, 2 screws, and o-ring, 0-140 PSI, for use with 400 and 600 series regulators/filters-regulators
RG-40	1/8 NPT, 40mm round gauge, 0-140 PSI, for use with 200 and 300 series regulators/filters-regulators
RG-40-L	1/8 NPT, 40mm round gauge, 0-60 PSI, for use with 200 and 300 series regulators/filters-regulators
RG-50	1/4 NPT, 50mm round gauge, 0-140 PSI, for use with 400 and 600 series regulators/filters-regulators
RK-40	1/8 NPT, adaptor plate kit with 2 screws and o-ring, 0-140 PSI, for use with 200 and 300 series regulators/filters-regulators
RK-50	1/4 NPT, adaptor plate kit with 2 screws and o-ring, 0-140 PSI, for use with 400 and 600 series regulators/filters-regulators

Dimensions (mm)



Ordered as an Option

Specify "R" for NPT gauge in regulator or filter/ regulator part number.

Note: to prevent shipment damage, units ship as base model with flush plate gauge assembled, along with kit components for NPT gauge.



Ordered as a Kit

-RKG Includes gauge with both English and SI units, adapter plates, (2) assembly screws, o-ring

-RG includes gauge with both English and SI Units

-RK includes adaptor plate, (2) assembly screws, o-ring



Notes

Your stocking distributor is:



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