



บริษัท ฟลูเทค จำกัด
Flu-tech co.,ltd

AIR PREPARATION FILTERS



ROSS CONTROLS

FILTERS – KEY FEATURES

- Filters – 5- and 40-micron filtration levels
- Coalescing Filters – 0.3- and 0.01-micron filtration levels
- Oil Vapor Removal (Adsorbing) Filters – removes oil and hydrocarbon vapors
- Filter Drains – manual, automatic, internal float, and automatic external drains
- Modular and in-line mounting options
- Metal and High Strength polycarbonate bowl options
- Several Differential Gauge options available

FILTER TYPE/SERIES	AVAILABLE PORT SIZES										MOUNTING	FLOW	OPTIONS				FILTRATION						Page
	1/8	1/4	3/8	1/2	3/4	1	1¼	1½	2	IN-LINE	MODULAR	MAX FLOW (scfm)	POLYCARBONATE BOWL	METAL BOWL	AUTOMATIC DRAIN	MANUAL DRAIN	0.01 µm	0.3 µm	5 µm	20 µm	40 µm	ACTIVATED CARBON	
FILTERS																							
BANTAM												30											G1.3
MINIATURE												23											G1.4
MID-SIZE												75											G1.5
MD3™												92											G1.6
FULL-SIZE												155											G1.7
MD4™												205											G1.8
HIGH-CAPACITY												1000											G1.9 G1.11
COALESCING FILTERS																							
BANTAM												11											G1.12
MINIATURE												10											G1.13
MID-SIZE												100											G1.14
MD3™												125											G1.15
FULL-SIZE												100											G1.16
MD4™												158											G1.17
HIGH-CAPACITY												840											G1.18- G1.22
OIL VAPOR REMOVAL (ADSORBING) FILTERS																							
MD3™												125											G1.23
MD4™												165											G1.24
CLEAN AIR PACKAGES																							
MD3™												125											G1.25 - G1.26
MD4™												158											G1.27 -G1.28
IN-LINE SILENCERS / RECLASSIFIERS																							
																							G1.29
DRIP LEG DRAINS																							
																							G1.30

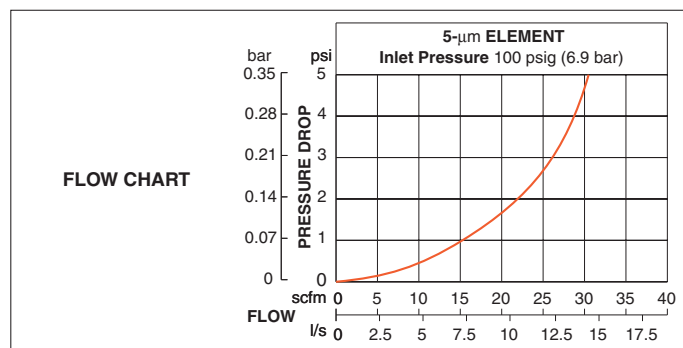
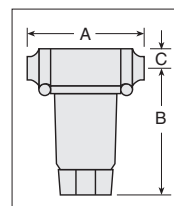
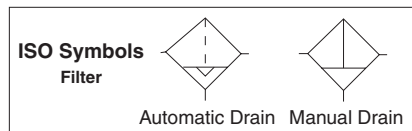
Port Sizes: 1/8 to 1/4 – Flow to 30 scfm

Port Size	Automatic Drain		Manual Drain	
	Polycarbonate Bowl	Metal Bowl	Polycarbonate Bowl	Metal Bowl
	Model Number	Model Number	Model Number	Model Number
With THREADED PORTS				
1/8 NPTF	5B01B0100	5B01B0200	5B01B0300	5B01B0400
1/8 G	C5B01B0100	C5B01B0200	C5B01B0300	C5B01B0400
1/4 NPTF	5B02B0100	5B02B0200	5B02B0300	5B02B0400
1/4 G	C5B02B0100	C5B02B0200	C5B02B0300	C5B02B0400
With Quick-Connect TUBE FITTINGS				
1/4	5B03B0100	5B03B0200	5B03B0300	5B03B0400
3/8	5B04B0100	5B04B0200	5B04B0300	5B04B0400
4mm	5B05B0100	5B05B0200	5B05B0300	5B05B0400
6mm	5B06B0100	5B06B0200	5B06B0300	5B06B0400
8mm	5B07B0100	5B07B0200	5B07B0300	5B07B0400
10mm	5B08B0100	5B08B0200	5B08B0300	5B08B0400

Port Size	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
		A	B**	C	Depth	
No Port	2-oz (60-ml)	1.7 (43)	3.9 (99)	0.5 (13)	1.8 (45)	0.27 (0.12)
1/8, 1/4 (NPT OR BSPP)	2-oz (60-ml)	3.0 (76)	3.9 (99)	0.5 (13)	1.8 (45)	0.49 (0.22)
Models below have quick-connect tube fittings.						
1/4	2-oz (60-ml)	3.4 (86)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
3/8	2-oz (60-ml)	3.9 (99)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
4 mm	2-oz (60-ml)	3.4 (86)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
6 mm	2-oz (60-ml)	3.4 (86)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
8 mm	2-oz (60-ml)	3.4 (86)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
10 mm	2-oz (60-ml)	3.9 (99)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)

** Dimension for polycarbonate bowl; metal bowl is 3.8 (97).

REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Model Number
5-µm - Standard	Polyethylene	933K77
5-µm - Optional	Sintered Bronze	R-KA130-27E5
20-µm - Optional	Sintered Bronze	R-KA130-27E4
40-µm - Optional	Sintered Bronze	R-KA130-27E3



Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Operating Pressure	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 150°F (4° to 66°C)	Construction Material	Filter Element: 5-micron rated polyethylene Body: Acetal Bowl: Polycarbonate or Aluminum Seals: Nitrile
Fluid Media	Compressed air		
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: Up to 150 psig (up to 10 bar) Metal Bowl: Up to 200 psig (up to 14 bar)		

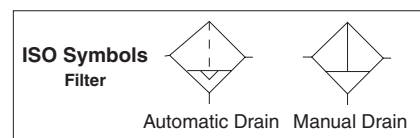
IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Port Sizes: 1/8 & 1/4 – Flow to 23 scfm

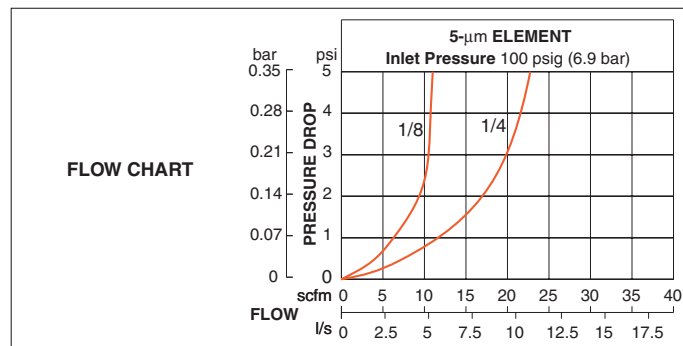
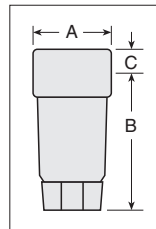
Port Size	Port Threads	Automatic Drain		Manual Drain	
		Polycarbonate Bowl	Metal Bowl	Polycarbonate Bowl	Metal Bowl
		Model Number	Model Number	Model Number	Model Number
1/8	NPTF	5021B1010	5022B1010	5011B1010	5012B1010
	G	C5021B1010	C5022B1010	C5011B1010	C5012B1010
1/4	NPTF	5021B2010	5022B2010	5011B2010	5012B2010
	G	C5021B2010	C5022B2010	C5011B2010	C5012B2010



Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
1/8, 1/4	Polycarbonate	2-oz (60-ml)	1.6 (41)	3.9 (99)	0.4 (9.5)	1.6 (41)	0.33 (0.15)
	Aluminum	2-oz (60-ml)	1.6 (41)	4.3 (109)	0.4 (9.5)	1.6 (41)	0.35 (0.16)



REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Model Number
5-µm - Standard	Polyethylene	933K77
5-µm - Optional	Sintered Bronze	R-KA130-27E5
20-µm - Optional	Sintered Bronze	R-KA130-27E4
40-µm - Optional	Sintered Bronze	R-KA130-27E3



Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Operating Pressure	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 150°F (4° to 66°C)		
Fluid Media	Compressed air	Construction Material	Filter Element: 5-micron rated polyethylene
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: Up to 150 psig (up to 10 bar) Metal Bowl: Up to 200 psig (up to 14 bar)		Body: Aluminum
			Bowl: Polycarbonate or Aluminum Seals: Nitrile

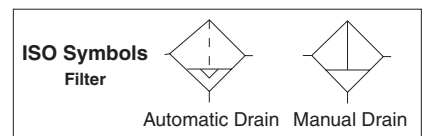
IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Port Sizes: 1/4, 3/8 & 1/2 – Flow to 75 scfm

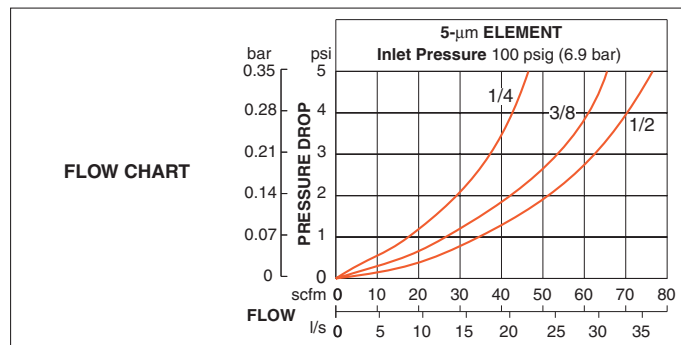
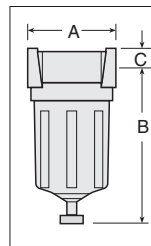


Port Size	Port Threads	Automatic Drain		Manual Drain	
		Polycarbonate Bowl	Metal Bowl	Polycarbonate Bowl	Metal Bowl
		Model Number	Model Number	Model Number	Model Number
1/4	NPTF	5021B2007	5022B2007	5011B2007	5012B2007
	G	C5021B2007	C5022B2007	C5011B2007	C5012B2007
3/8	NPTF	5021B3027	5022B3027	5011B3026	5012B3026
	G	C5021B3027	C5022B3027	C5011B3026	C5012B3026
1/2	NPTF	5021B4007	5022B4007	5011B4007	5012B4007
	G	C5021B4007	C5022B4007	C5011B4007	C5012B4007

Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
1/4, 3/8, 1/2	Polycarbonate	4-oz (120-ml)	2.7 (67)	4.8 (122)	0.6 (16)	2.4 (60)	1.13 (0.51)
	Zinc	4-oz (120-ml)	2.7 (67)	4.9 (123)	0.6 (16)	2.4 (60)	1.50 (0.68)



REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Model Number
5-µm - Standard	Polyethylene	936K77
5-µm - Optional	Sintered Bronze	R-KA60F-03E5
20-µm - Optional	Sintered Bronze	R-KA60F-03E4
40-µm - Optional	Sintered Bronze	R-KA60F-03E3



Options: Internal Float Drain, consult ROSS.
Accessories ordered separately, refer to page G6.3-4, G6.7.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Operating Pressure	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C)		Filter Element: 5-micron rated polyethylene
Fluid Media	Compressed air	Construction Material	Body: Zinc Bowl: Polycarbonate bowl with zinc shatterguard, or Zinc bowl Seals: Nitrile
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: Up to 150 psig (up to 10 bar) Metal Bowl: Up to 200 psig (up to 14 bar)		

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Port Sizes: 1/4, 3/8 & 1/2 – Flow to 92 scfm

HOW TO ORDER

Choose your options (in red) to configure your model number.

MD3 **50P** **A** **M** **C** **2** **2** **A**

BOWL MATERIAL/SIZE	
Polycarbonate Bowl 5.1-oz (151-ml)	50P
Metal Bowl 6-oz (177-ml)	50M

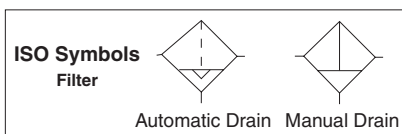
FILTER ELEMENT TYPE	
40-µm Sintered Bronze	A
5-µm Polyethylene	B
5-µm Sintered Bronze	E
20-µm Sintered Bronze	F

BOWL DRAIN	
Manual Drain	M
Float Drain	F
Less Drain Fitting (1/4 NPT female instead)	L

PIPE SIZE	
1/4 NPTF	2
3/8 NPTF	3
1/2 NPTF	4
1/4 G	B
3/8 G	C
1/2 G	D

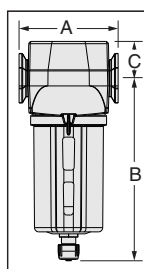
CAP COLOR	
Black	2
Yellow	Y

DIFFERENTIAL PRESSURE GAUGE	
Without Gauge	A
Small Slide Gauge	S

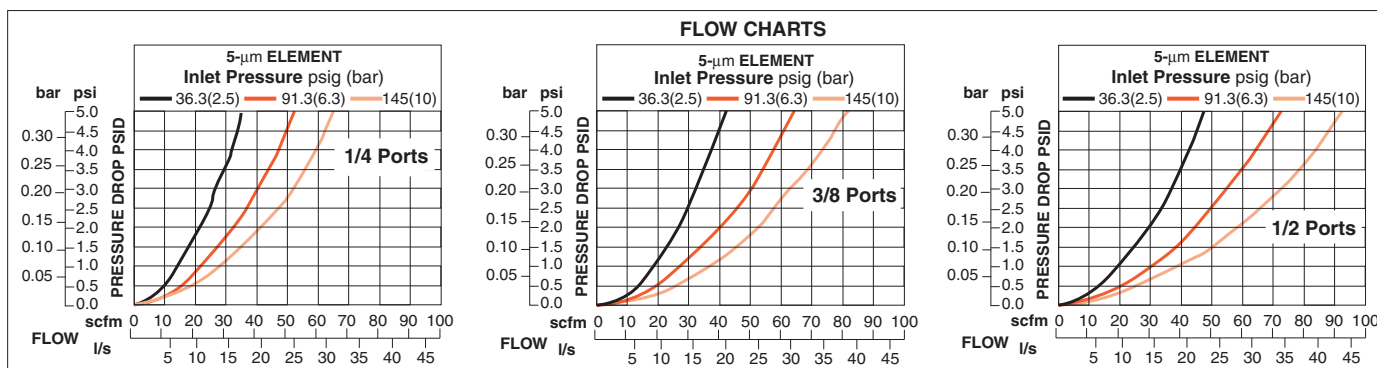


Port Size	Bowl Type	Dimensions inches (mm)				Weight lb (kg)
		A	B*	C	Depth	
1/4,	Polycarbonate	3.0 (76.2)	5.54 (140.6)	1.12 (28.3)	2.51 (63.8)	1.29 (0.59)
3/8, 1/2	Aluminum	5.0 (127)	6.42 (163.1)	1.12 (28.3)	2.76 (70.1)	1.41 (0.64)

* With small differential gauge, add 1.21 (31) to dimension C.
Bowl removal clearance: add 3.1 (79).



REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Model Number
5-µm	Polyethylene	R-A60F-03PE5
5-µm	Sintered Bronze	R-A60F-03E5
20-µm	Sintered Bronze	R-A60F-03E4
40-µm	Sintered Bronze	R-A60F-03E3



Options: Differential Pressure Gauge, for additional information refer to page G6.6.

Options: External Bowl Drains, refer to page G6.7.

Accessories ordered separately, refer to page G6.3-5.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Sintered or Fiber	Operating Pressure	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 250 psig (0 to 17 bar)
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C)		
Fluid Media	Compressed air	Construction Material	Filter Element: 5-micron polyethylene, or 5-, 20-, 40-µm sintered bronze
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: 30 to 150 psig (2 to 10 bar) Metal Bowl: 30 to 200 psig (2 to 14 bar)		Body: Cast Zinc
			Bowl: Polycarbonate bowl with nylon shatterguard, or aluminum bowl with clear nylon sight glass
		Seals: Nitrile	

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Modular Filters

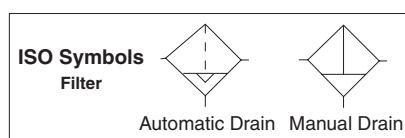
FULL-SIZE Series

Port Sizes: 1/4, 3/8, 1/2 & 3/4 – Flow to 155 scfm

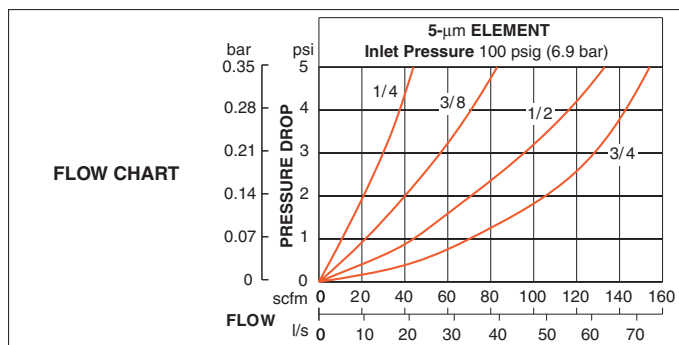
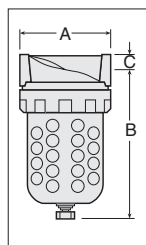
Port Size	Port Threads	Automatic Drain		Manual Drain	
		Polycarbonate Bowl	Metal Bowl	Polycarbonate Bowl	Metal Bowl
		Model Number	Model Number	Model Number	Model Number
1/4	NPTF	5021B2008	5022B2005	5011B2008	5012B2006
	G	C5021B2008	C5022B2005	C5011B2008	C5012B2006
3/8	NPTF	5021B3008	5022B3005	5011B3008	5012B3006
	G	C5021B3008	C5022B3005	C5011B3008	C5012B3006
1/2	NPTF	5021B4008	5022B4005	5011B4008	5012B4006
	G	C5021B4008	C5022B4005	C5011B4008	C5012B4006
3/4	NPTF	5021B5018	5022B5015	5011B5018	5012B5016
	G	C5021B5018	C5022B5015	C5011B5018	C5012B5016



Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
1/4, 3/8, 1/2, 3/4	Polycarbonate	8-oz (240-ml)	3.5 (89)	5.8 (146)	0.6 (16)	3.5 (89)	1.93 (0.88)
	Zinc	8-oz (240-ml)	3.5 (89)	6.4 (163)	0.6 (16)	3.5 (89)	2.90 (1.32)



REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Model Number
5-µm - Standard	Polyethylene	939K77
5-µm - Optional	Sintered Bronze	R-KA103-03E5
20-µm - Optional	Sintered Bronze	R-KA103-03E4
40-µm - Optional	Sintered Bronze	R-KA103-03E3



Options: Automatic External Drain, refer to page G6.7.
Internal Float Drain, consult ROSS.
Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Construction Material	Filter Element: 5-micron polyethylene
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C)		Body: Zinc
Fluid Media	Compressed air		Bowl: Polycarbonate bowl with steel shatterguard, or zinc bowl with clear nylon sight glass
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: Up to 150 psig (up to 10 bar) Metal Bowl: Up to 200 psig (up to 14 bar)		Bowl Ring: Aluminum
Operating Pressure	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Port Sizes: 3/8, 1/2 & 3/4 – Flow to 205 scfm

HOW TO ORDER

Choose your options (in red) to configure your model number.

MD4 **50P** **B** **A** **B** **5** **2** **L**

BOWL MATERIAL/SIZE	
Polycarbonate Bowl 9-oz (266-ml)	50P
Metal Bowl 9-oz (266-ml)	50M

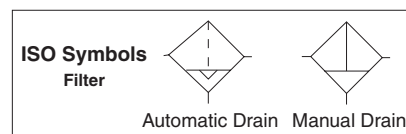
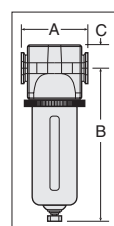
FILTER ELEMENT TYPE	
40-µm Sintered Bronze	A
5-µm Polyethylene	B

BOWL DRAIN	
Automatic Drain	A
Manual Drain	M
Less Drain Fitting - 1/4 NPT female instead	L
Internal Float Drain	F

PIPE SIZE	
3/8 NPTF	3
1/2 NPTF	4
3/4 NPTF	5
3/8 G	C
1/2 G	D
3/4 G	E

CAP COLOR	
Black	2
Yellow	Y

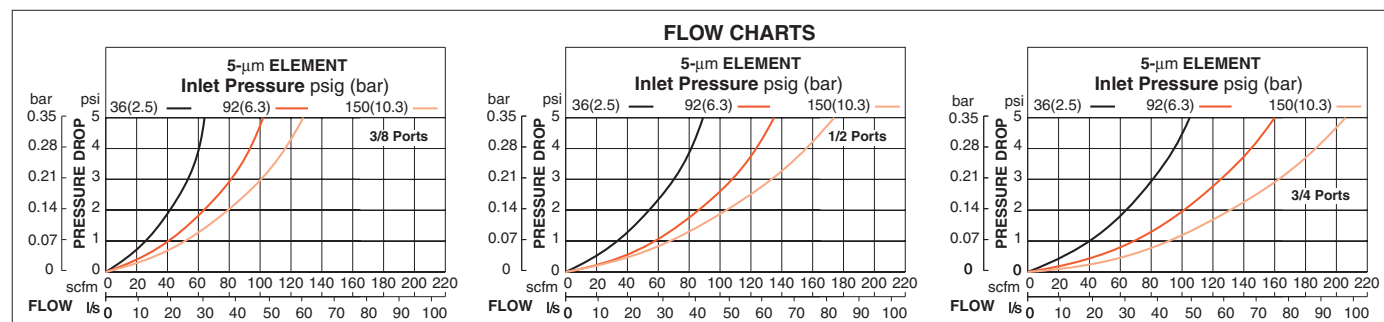
DIFFERENTIAL PRESSURE GAUGE	
Without Gauge	A
Large Dual Face Gauge	L
Small Slide Gauge	S
Large Dual Face Gauge, with Normally Open Reed Switch	E
Large Dual Face Gauge, with Normally Closed Reed Switch	C



Port Size	Bowl Type	Dimensions inches (mm)				Weight lb (kg)
		A	B**	C	Depth	
3/8, 1/2, 3/4	Polycarbonate	3.0 (76.2)	7.7 (195)	1.1 (28)	2.9 (73)	2.13 (0.97)
	Aluminum	3.5 (76.2)	7.6 (193)	1.1 (28)	3.1 (79)	2.13 (0.97)

**With small differential gauge, add 1.21 (31) to dimension C.
Bowl removal clearance: add 3.1 (79).

REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Element Number
5-µm - Standard	Polyethylene	R-A115-106PE5
40-µm - Standard	Sintered Bronze	R-A115-106E3
5-µm - Optional	Sintered Bronze	R-A115-106E5
20-µm - Optional	Sintered Bronze	R-A115-106E4



Options: Differential Pressure Gauge, for additional information refer to page G6.6.

Options: External Bowl Drains, refer to page G6.7.

Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Sintered or Fiber	Construction Material	Filter Element: 5-micron rated polyethylene, or 40-micron rated sintered bronze
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C)		Body: Cast Zinc
Fluid Media	Compressed air		Bowl: Polycarbonate bowl with steel shatterguard, or aluminum bowl with clear nylon sight glass
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: Up to 150 psig (up to 10 bar) Metal Bowl: Up to 200 psig (up to 14 bar)		Bowl Ring: Nylon
Operating Pressure	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

In-line Filters

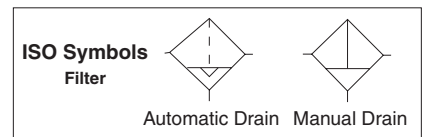
HIGH-CAPACITY Series

Port Sizes: 3/4 & 1 – Flow to 275 scfm

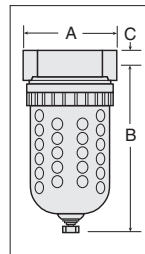
Port Size	Port Threads	Automatic Drain		Manual Drain	
		Polycarbonate Bowl	Metal Bowl	Polycarbonate Bowl	Metal Bowl
		Model Number	Model Number	Model Number	Model Number
3/4	NPTF	5021B5008	5022B5005	5011B5008	5012B5006
	G	C5021B5008	C5022B5005	C5011B5008	C5012B5006
1	NPTF	5021B6008	5022B6005	5011B6008	5012B6006
	G	C5021B6008	C5022B6005	C5011B6008	C5012B6006



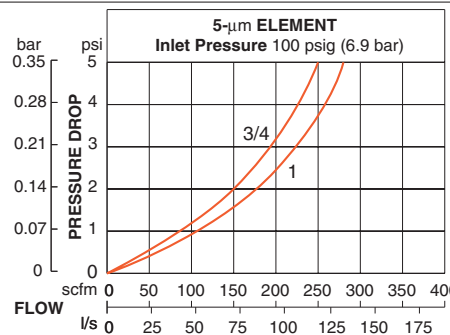
Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
3/4	Polycarbonate	16-oz (480-ml)	4.5 (114)	8.0 (203)	0.8 (21)	4.2 (106)	2.44 (1.11)
1	Aluminum	16-oz (480-ml)	4.5 (114)	8.3 (210)	0.8 (21)	4.2 (106)	3.25 (1.48)



REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Model Number
5-µm - Standard	Polyethylene	1010K77
5-µm - Optional	Sintered Bronze	R-KA109-03E5
20-µm - Optional	Sintered Bronze	R-KA109-03E4
40-µm - Optional	Sintered Bronze	R-KA109-03E3



FLOW CHART



Options: Automatic External Drain, refer to page G6.7.
Internal float drain, consult ROSS.
Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Sintered or Fiber	Construction Material	Filter Element: 5-micron rated polyethylene
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C)		Body: Cast Zinc
Fluid Media	Compressed air		Bowl: Polycarbonate bowl with steel shatterguard, or aluminum bowl with clear nylon sight glass
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: Up to 150 psig (up to 10 bar) Metal Bowl: Up to 200 psig (up to 14 bar)		Bowl Ring: Aluminum
Operating Pressure	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

In-line Filters

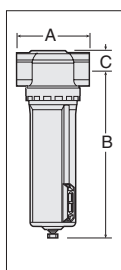
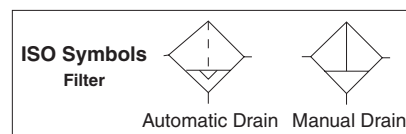
HIGH-CAPACITY Series

Port Sizes: 1¼ & 1½ – Flow to 660 scfm

Port Size	Filter Element Rating	Automatic Drain		Manual Drain	
		Metal Bowl		Metal Bowl	
		Model Number		Model Number	
		NPTF Threads	G Threads	NPTF Threads	G Threads
1¼	5-µm	5022B7019	C5022B7019	5012B7019	C5012B7019
	40-µm	5X00B7051	C5X00B7051	5X00B7052	C5X00B7052
1½	5-µm	5022B8019	C5022B8019	5012B8019	C5012B8019
	40-µm	5X00B8037	C5X00B8037	5X00B8051	C5X00B8051

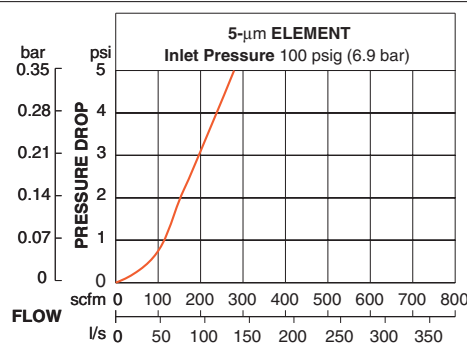
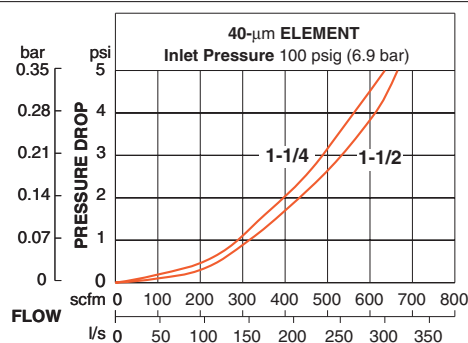


Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
1¼, 1½	Aluminum	35-oz (1000-ml)	5.5 (140)	10.7 (271)	1.4(36)	4.2 (106)	1.93 (0.88)



REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Model Number
5-µm	Sintered Bronze	1656K77
40-µm	Sintered Bronze	R-A114-106E3

FLOW CHARTS



Options: External Automatic Drain, refer to page G6.7.

Internal float drain, consult ROSS.

Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Sintered	Construction Material	Filter Element: 5-micron rated, or 40-micron rated sintered bronze
Temperature	Ambient/Media: 40° to 175°F (4° to 79°C)		Body: Aluminum
Fluid Media	Compressed air		Bowl: Aluminum bowl with clear nylon sight glass
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: Up to 200 psig (up to 14 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)		Bowl Ring: Aluminum
Operating Pressure	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

In-line Filters

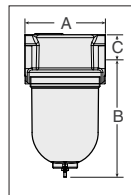
HIGH-CAPACITY Series

Port Sizes: 1¼, 1½ & 2 – Flow to 1000 scfm

Port Size	Filter Element Rating	Automatic Internal Float Drain		Manual Drain	
		Metal Bowl		Metal Bowl	
		Model Number		Model Number	
		NPTF Threads	G Threads	NPTF Threads	G Threads
1¼	5-µm	5022B7018	C5022B7018	5012B7018	C5012B7018
1¼	40-µm	5X00B7025	C5X00B7025	5X00B7054	C5X00B7054
1½	5-µm	5022B8018	C5022B8018	5012B8018	C5012B8018
1½	40-µm	5X00B8018	C5X00B8018	5X00B8019	C5X00B8019
2	5-µm	5022B9018	C5022B9018	5012B9018	C5012B9018
2	40-µm	5X00B9004	C5X00B9004	5X00B9003	C5X00B9003

Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
1¼, 1½, 2	Aluminum	123-oz (3700-ml)	8.1 (204)	12.0 (305)	2.4 (60.3)	8.0 (203.2)	14.3 (6.59)

REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Model Number
5-µm	Sintered Bronze	942K77
40-µm	Sintered Bronze	944K77

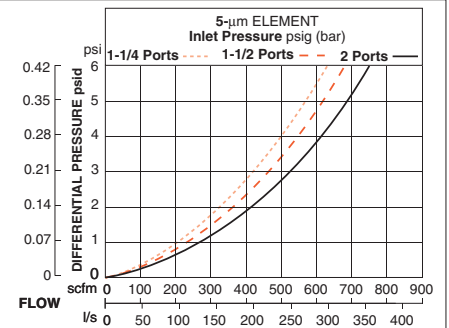
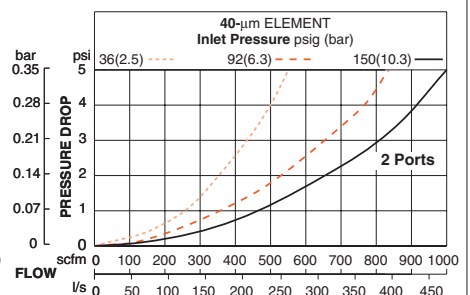
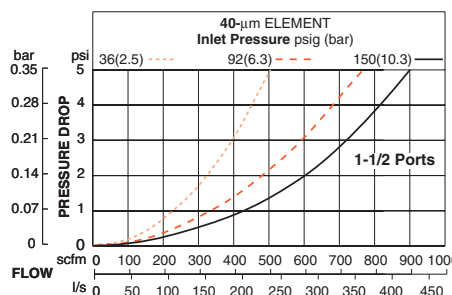
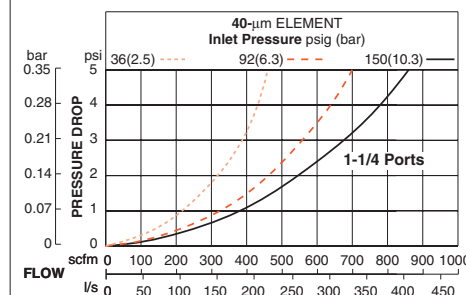


ISO Symbols
Filter



Automatic Drain Manual Drain

FLOW CHARTS



Options: External Automatic Drain, refer to page G6.7.
Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Sintered or Fiber	Construction Material	Filter Element: 5-micron rated, or 40-micron rated sintered bronze
Temperature	Ambient/Media: 40° to 175°F (4° to 79°C)		Body: Aluminum
Fluid Media	Compressed air		Bowl: Aluminum
Operating Pressure	Internal Float Drain Models: 30 to 200 psig (2.1 to 14 bar) Manual Drain Models: 0 to 200 psig (0 to 14 bar)		Seals: Nitrile

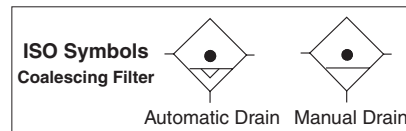
IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Modular Coalescing Filters

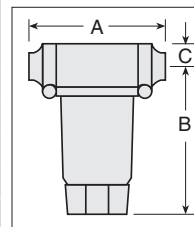
BANTAM Series

Port Sizes: 1/8 & 1/4 – Flow to 11 scfm

Port Size	Automatic Drain		Manual Drain	
	Polycarbonate Bowl	Metal Bowl	Polycarbonate Bowl	Metal Bowl
	Model Number	Model Number	Model Number	Model Number
With THREADED PORTS				
1/8 NPTF	5B01B0700	5B01B0800	5B01B0500	5B01B0600
1/8 G	C5B01B0700	C5B01B0800	C5B01B0500	C5B01B0600
1/4 NPTF	5B02B0700	5B02B0800	5B02B0500	5B02B0600
1/4 G	C5B02B0700	C5B02B0800	C5B02B0500	C5B02B0600
With Quick-Connect TUBE FITTINGS				
1/4	5B03B0700	5B03B0800	5B03B0500	5B03B0600
3/8	5B04B0700	5B04B0800	5B04B0500	5B04B0600
4mm	5B05B0700	5B05B0800	5B05B0500	5B05B0600
6mm	5B06B0700	5B06B0800	5B06B0500	5B06B0600
8mm	5B07B0700	5B07B0800	5B07B0500	5B07B0600
10mm	5B08B0700	5B08B0800	5B08B0500	5B08B0600



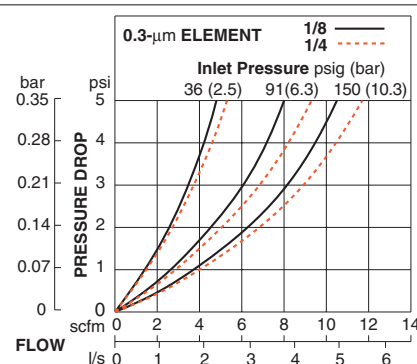
Port Size	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
		A	B**	C	Depth	
No Ports	2-oz (60-ml)	1.7 (43)	3.9 (99)	0.5 (13)	1.8 (45)	0.27 (0.12)
1/8, 1/4 (NPTF or BSPP)	2-oz (60-ml)	3.0 (76)	3.9 (99)	0.5 (13)	1.8 (45)	0.49 (0.22)
Models below have quick-connect tube fittings.						
1/4	2-oz (60-ml)	3.4 (86)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
3/8	2-oz (60-ml)	3.9 (99)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
4 mm	2-oz (60-ml)	3.4 (86)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
6 mm	2-oz (60-ml)	3.4 (86)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
8 mm	2-oz (60-ml)	3.4 (86)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
10 mm	2-oz (60-ml)	3.9 (99)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)



** Dimension for polycarbonate bowl; aluminum bowl is 3.8 (97).

REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Model Number
0.3- μ m - Standard	Borosilicate-glass-fiber	945K77
0.01- μ m - Optional	Borosilicate-glass-fiber	R-A-10F-16E8

FLOW CHART



Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Operating Pressure	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 150°F (4° to 66°C)		
Fluid Media	Compressed air	Construction Material	Filter Element: 0.3-micron rated borosilicate-glass-fiber coalescing element
Operating Pressure	Automatic Drain Models		Body: Acetal
	Polycarbonate Bowl: Up to 150 psig (up to 10 bar) Metal Bowl: Up to 200 psig (up to 14 bar)		Bowl: Polycarbonate or Aluminum Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

In-line Coalescing Filters

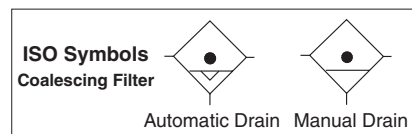
MINIATURE Series

Port Sizes: 1/8 & 1/4 – Flow to 10 scfm

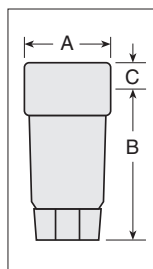
Port Size	Port Threads	Automatic Drain		Manual Drain	
		Polycarbonate Bowl	Metal Bowl	Polycarbonate Bowl	Metal Bowl
		Model Number	Model Number	Model Number	Model Number
1/8	NPTF	5031B1128	5032B1118	5031B1028	5032B1028
	G	C5031B1128	C5032B1118	C5031B1028	C5032B1028
1/4	NPTF	5031B2128	5032B2128	5031B2028	5032B2028
	G	C5031B2128	C5032B2128	C5031B2028	C5032B2028



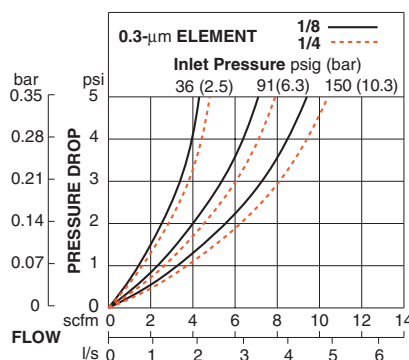
Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
1/8, 1/4	Polycarbonate	2-oz (60-ml)	1.6 (41)	3.6 (92)	0.4 (9.5)	1.6 (41)	0.33 (0.15)
	Aluminum	2-oz (60-ml)	1.6 (41)	4.3 (109)	0.4 (9.5)	1.6 (41)	0.35 (0.16)



REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Model Number
0.3- μ m - Standard	Borosilicate-glass-fiber	945K77
0.01- μ m - Optional	Borosilicate-glass-fiber	R-A-10F-16E8



FLOW CHART



Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Operating Pressure	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 150°F (4° to 66°C)		Filter Element: 0.3-micron rated borosilicate-glass-fiber coalescing element
Fluid Media	Compressed air	Construction Material	Body: Aluminum Bowl: Polycarbonate or Aluminum Seals: Nitrile
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: Up to 150 psig (up to 10 bar) Metal Bowl: Up to 200 psig (up to 14 bar)		

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Modular Coalescing Filters

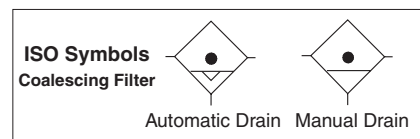
MID-SIZE Series

Port Sizes: 1/4, 3/8 & 1/2 – Flow to 85 scfm

Port Size	Filter Element Rating	Automatic Drain				Manual Drain			
		Metal Bowl		Extended Metal Bowl		Metal Bowl		Extended Metal Bowl	
		Model Number		Model Number		Model Number		Model Number	
		NPTF Threads	G Threads	NPTF Threads	G Threads	NPTF Threads	G Threads	NPTF Threads	G Threads
1/4	0.3-µm	5032B2138	C5032B2138	5032B2148	C5032B2148	5032B2038	C5032B2038	5032B2048	C5032B2048
	0.01-µm	5032B2239	C5032B2239	5032B2249	C5032B2249	5032B2238	C5032B2238	5032B2248	C5032B2248
3/8	0.3-µm	5032B3138	C5032B3138	5032B3148	C5032B3148	5032B3038	C5032B3038	5032B3048	C5032B3048
	0.01-µm	5032B3239	C5032B3239	5032B3249	C5032B3249	5032B3238	C5032B3238	5032B3248	C5032B3248
1/2	0.3-µm	5032B4138	C5032B4138	5032B4148	C5032B4148	5032B4038	C5032B4038	5032B4048	C5032B4048
	0.01-µm	5032B4239	C5032B4239	5032B4249	C5032B4249	5032B4238	C5032B4238	5032B4248	C5032B4248

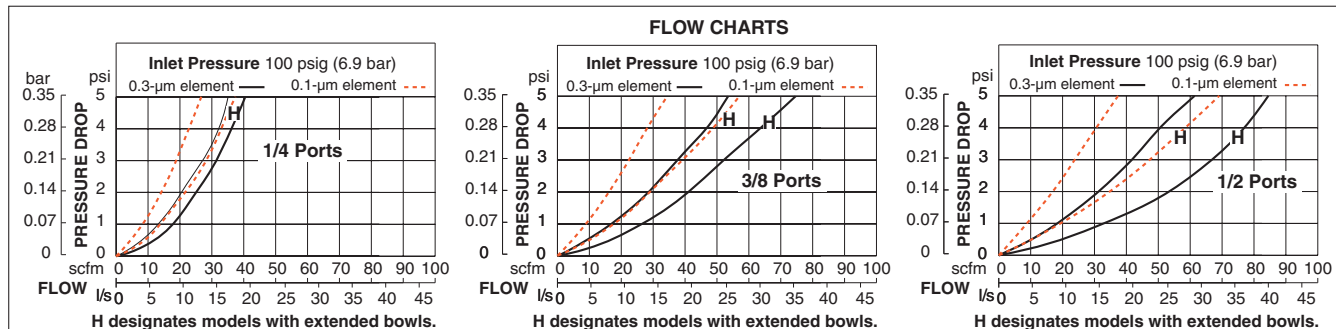
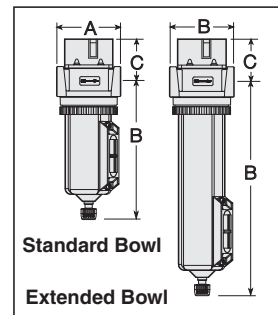


Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
1/4, 3/8, 1/2	Standard	6-oz (180-ml)	2.7 (67)	6.5 (165)	1.8 (45)	2.4 (60)	1.75 (0.80)
1/4, 3/8, 1/2	Extended	10-oz (300-ml)	2.7 (67)	9.5 (241)	1.8 (45)	2.4 (60)	2.00 (0.91)



REPLACEMENT FILTER ELEMENTS			
Element Rating	Bowl Type	Element Material	Model Number
0.3-µm	Standard	Borosilicate-glass-fiber	R-A60F-29
	Extended	Borosilicate-glass-fiber	R-A60F-32
0.01-µm	Standard	Borosilicate-glass-fiber	R-A60F-29E8
	Extended	Borosilicate-glass-fiber	R-A60F-32E8

40° to 175°F (4° to 79°C)



Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Construction Material	Filter Element: 0.3-micron rated or 0.01-micron rated borosilicate-glass-fiber coalescing element
Temperature	Ambient/Media: 40° to 175°F (4° to 79°C)		Body: Zinc
Fluid Media	Compressed air		Bowl: Aluminum bowl with clear nylon sight glass, or extended aluminum bowl with clear nylon sight glass
Operating Pressure	Automatic Drain Models: Up to 150 psig (up to 10 bar)		Bowl Ring: Nylon
	Manual Drain Models: 0 to 150 psig (0 to 10 bar)		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Modular Coalescing Filters

MD3™ Series

Port Sizes: 1/4, 3/8 & 1/2 – Flow to 125 scfm

HOW TO ORDER

Choose your options (in red) to configure your model number.

MD3 **50P** **C** **M** **C** **4** **2** **A**

BOWL MATERIAL/SIZE	
Polycarbonate Bowl 5.1-oz (151-ml)	50P
Metal Bowl 6-oz (177-ml)	50M
Extended Metal Bowl 10-oz (295-ml)	50E

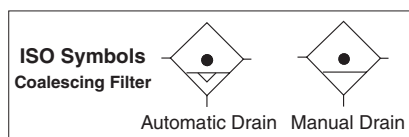
FILTER ELEMENT TYPE	
0.3-µm Borosilicate Glass	C
0.01-µm Borosilicate Glass	D

BOWL DRAIN	
Manual Drain	M
Float Drain	F
Less Drain Fitting (1/4 NPT female instead)	L

PIPE SIZE	
1/4 NPTF	2
3/8 NPTF	3
1/2 NPTF	4
1/4 G	B
3/8 G	C
1/2 G	D

DIFFERENTIAL PRESSURE GAUGE	
Without Gauge	A
Small Slide Gauge	S

CAP COLOR	
Black	2
Yellow	Y

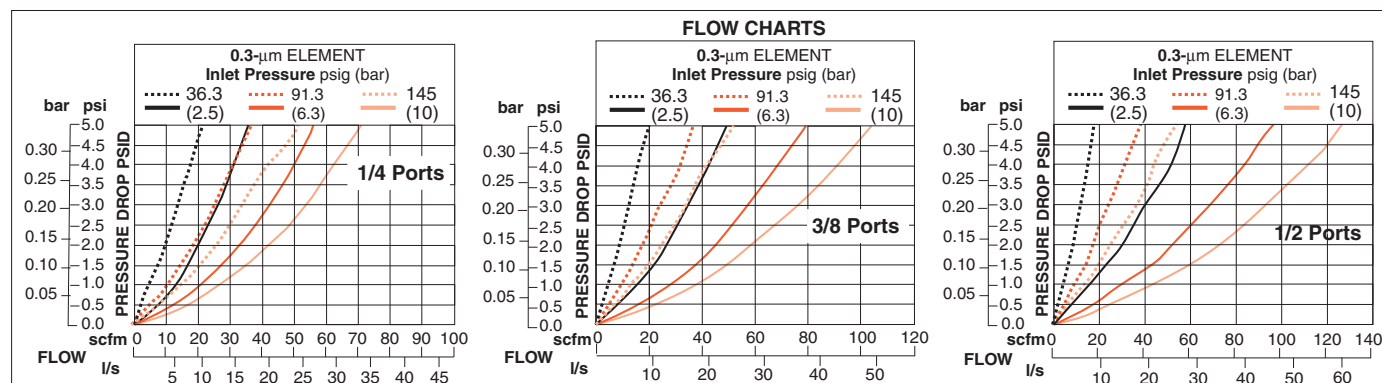
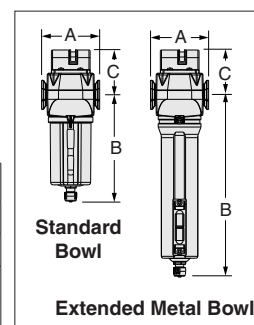


Port Size	Bowl Type	Dimensions inches (mm)				Weight lb (kg)
		A	B*	C	Depth	
1/4, 3/8, 1/2	Polycarbonate	3.0 (76.2)	5.54 (140.6)	2.33 (59.3)	2.51 (63.8)	1.30 (0.59)
	Aluminum	3.0 (76.2)	6.42 (163.1)	2.33 (59.3)	2.76 (70.1)	1.41 (0.64)
	Extended Aluminum	3.0 (76.2)	9.51 (241.6)	2.33 (59.3)	2.76 (70.1)	1.54 (0.70)

* Bowl removal clearance: add 3.1 (79). Extended Bowl removal clearance: add 6.1 (155).

REPLACEMENT FILTER ELEMENTS

Element Rating	Bowl Type	Model Number	Element Rating	Bowl Type	Model Number
0.3-µm	Polycarbonate	R-A60F-23	0.01-µm	Polycarbonate	R-A60F-23E8
	Metal	R-A60F-29		Metal	R-A60F-29E8
	Extended Metal	R-A60F-32		Extended Metal	R-A60F-32E8



Options: External Bowl Drains, for additional information refer to page G6.7.
Accessories ordered separately, refer to page G6.3-5.

STANDARD SPECIFICATIONS (for filters on this page):

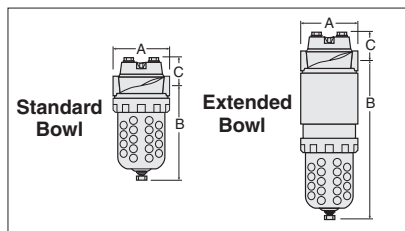
Construction Design	Fiber	Operating Pressure	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 250 psig (0 to 17 bar)
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C)		Filter Element: 0.3-micron rated or 0.01-micron rated borosilicate glass-fiber coalescing element
Fluid Media	Compressed air	Construction Material	Body: Cast Zinc
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: 30 to 150 psig (2 to 10 bar) Metal Bowl: 30 to 200 psig (2 to 14 bar)		Bowl: Polycarbonate bowl with nylon shatterguard, or aluminum bowl with clear nylon sight glass
			Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

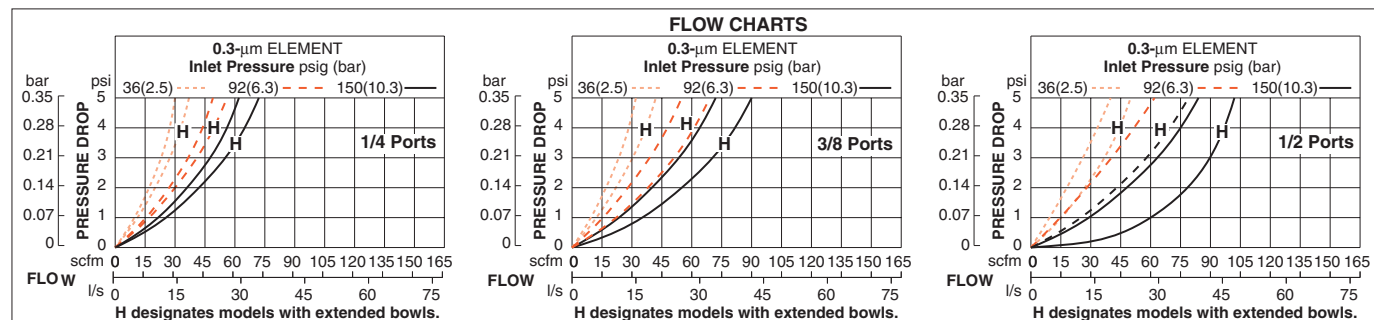
Port Sizes: 1/4, 3/8 & 1/2 – Flow to 100 scfm

Port Size	Bowl Type	Filter Element Rating	Automatic Drain				Manual Drain			
			Polycarbonate Bowl		Metal Bowl		Polycarbonate Bowl		Metal Bowl	
			Model Number		Model Number		Model Number		Model Number	
			NPTF Threads	G Threads	NPTF Threads	G Threads	NPTF Threads	G Threads	NPTF Threads	G Threads
1/4	Standard	0.3-µm	5031B2108	C5031B2108	5032B2118	C5032B2118	5031B2008	C5031B2008	5032B2018	C5032B2018
		0.01-µm	5031B2209	C5031B2209	5032B2219	C5032B2219	5031B2208	C5031B2208	5032B2218	C5032B2218
3/8	Standard	0.3-µm	5031B3108	C5031B3108	5032B3118	C5032B3118	5031B3008	C5031B3008	5032B3018	C5032B3018
		0.01-µm	5031B3209	C5031B3209	5032B3219	C5032B3219	5031B3208	C5031B3208	5032B3218	C5032B3218
1/2	Standard	0.3-µm	5031B4108	C5031B4108	5032B4118	C5032B4118	5031B4008	C5031B4008	5032B4018	C5032B4018
		0.01-µm	5031B4209	C5031B4209	5032B4219	C5032B4219	5031B4208	C5031B4208	5032B4218	C5032B4218
	Extended	0.3-µm	5031B4128	C5031B4128	5032B4128	C5032B4128	5031B4028	C5031B4028	5032B4028	C5032B4028
		0.01-µm	5031B4229	C5031B4229	5032B4229	C5032B4229	5031B4228	C5031B4228	5032B4228	C5032B4228

Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
1/4, 3/8, 1/2	Standard	8-oz (240-ml)	3.5 (89)	5.8 (146)	1.8 (45)	3.5 (89)	2.13 (0.95)
	Extended	20-oz (600-ml)	3.5 (89)	10.3 (260)	1.8 (45)	3.5 (89)	3.25 (1.54)



REPLACEMENT FILTER ELEMENTS			
Element Rating	Bowl Type	Element Material	Model Number
0.3-µm	Standard	Borosilicate-glass-fiber	947K77
	Extended	Borosilicate-glass-fiber	R-A103-160L
0.01-µm	Standard	Borosilicate-glass-fiber	948K77
	Extended	Borosilicate-glass-fiber	R-A103-160LE8



Small slide differential Pressure Gauge included.

Options: Differential Pressure Gauges: Large Dual Face, Large Dual Face with Reed Switch (NO-NC), refer to page G6.6.

Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Construction Material	Filter Element: 0.3-micron rated or 0.01-micron rated borosilicate-glass-fiber coalescing element
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C)		Body: Zinc
Fluid Media	Compressed air		Bowl: Polycarbonate bowl with steel shatterguard, or zinc bowl with clear nylon sight glass
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: Up to 150 psig (up to 10 bar) Metal Bowl: Up to 200 psig (up to 14 bar)		Bowl Ring: Aluminum
	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Modular Coalescing Filters

MD4™ Series

Port Sizes: 3/8, 1/2 & 3/4 – Flow to 158 scfm

HOW TO ORDER

Choose your options (in red) to configure your model number.

MD4 **50P** **C** **A** **B** **5** **2** **L**

BOWL MATERIAL/SIZE	
Polycarbonate Bowl 9-oz (266-ml)	50P
Metal Bowl 9-oz (266-ml)	50M
Extended Metal Bowl 15-oz (443-ml)	50E

FILTER ELEMENT TYPE	
0.3-µm Borosilicate Glass	C
0.01-µm Borosilicate Glass	D

PIPE SIZE	
3/8 NPTF	3
1/2 NPTF	4
3/4 NPTF	5
3/8 G	C
1/2 G	D
3/4 G	E

CAP COLOR	
Black	2
Yellow	Y

DIFFERENTIAL PRESSURE GAUGE	
Without Gauge	A
Large Dual Face Gauge	L
Small Slide Gauge	S
Large Dual Face Gauge, with Normally Open Reed Switch	E
Large Dual Face Gauge, with Normally Closed Reed Switch	C

BOWL DRAIN	
Automatic Drain	A
Manual Drain	M
Less Drain Fitting - 1/4 NPT female instead	L
Internal Float Drain	F

ISO Symbols
Coalescing Filter



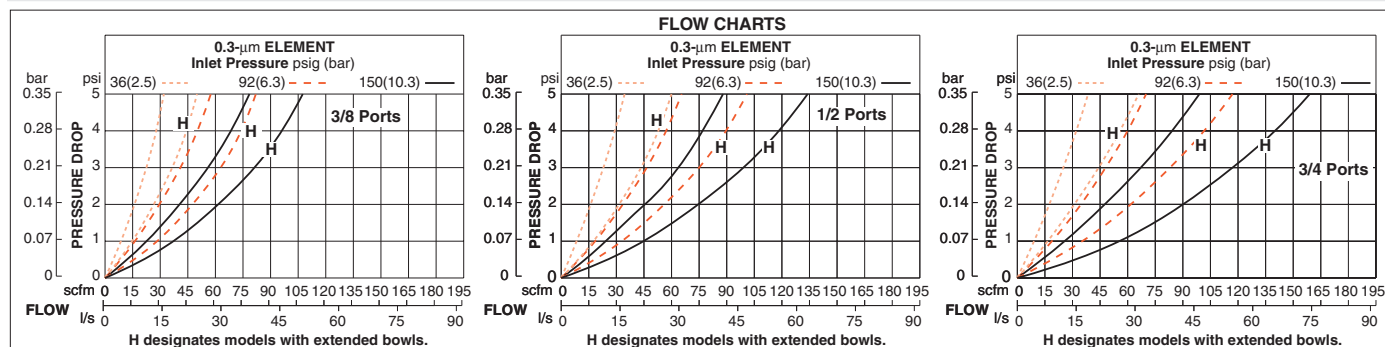
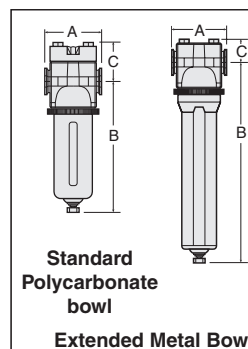
Automatic Drain Manual Drain

Bowl Type	Bowl Type	Dimensions inches (mm)				Weight lb (kg)
		A	B*	C	Depth	
3/8, 1/2, 3/4	Polycarbonate	3.5 (88)	7.7 (195)	2.2 (55)	2.9 (73)	2.13 (0.97)
	Aluminum	3.5 (88)	7.6 (193)	2.2 (55)	3.1 (79)	2.13 (0.97)
	Extended Aluminum	3.5 (88)	11.2 (284)	2.2 (55)	3.1 (79)	2.31 (1.05)

* Bowl removal clearance: add 3.1 (79). Extended Bowl removal clearance: add 6.1 (155).

REPLACEMENT FILTER ELEMENTS

Element Rating	Bowl Type	Model Number	Element Rating	Bowl Type	Model Number
0.3-µm	Standard	R-A115-117	0.01-µm	Standard	R-A115-117E8
	Extended	R-A115-118		Extended	R-A115-118E8



Options: Differential Pressure Gauges: Large Dual Face, Large Dual Face with Reed Switch (NO-NC), refer to page G6.6.

Options: External Bowl Drains, for additional information refer to page G6.7.

Accessories ordered separately, refer to page G6.3-5.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Construction Material	Filter Element: 0.3-micron rated or 0.01-micron rated borosilicate-glass-fiber coalescing element
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C)		Body: Cast Zinc
Fluid Media	Compressed air		Bowl: Polycarbonate bowl with steel shatterguard, or aluminum bowl with clear nylon sight glass
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: Up to 150 psig (up to 10 bar) Metal Bowl: Up to 200 psig (up to 14 bar)		Bowl Ring: Nylon
	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

In-line Coalescing Filters

HIGH-CAPACITY Series

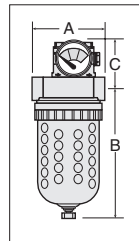
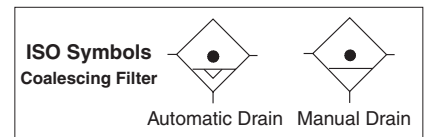
Port Sizes: 3/4 & 1 – Flow to 220 scfm

Port Size	Port Threads	Automatic Drain		Manual Drain	
		Polycarbonate Bowl	Metal Bowl	Polycarbonate Bowl	Metal Bowl
		Model Number	Model Number	Model Number	Model Number
3/4	NPTF	5X00B5099	5X00B5076	5031B5008	5032B5018
	G	C5X00B5099	C5X00B5076	C5031B5008	C5032B5018
1	NPTF	5X00B6027	5X00B6054	5031C6008	5032B6117
	G	C5X00B6027	C5X00B6054	C5031C6008	C5032B6117

* Models include 0.3-micron rated filter element.



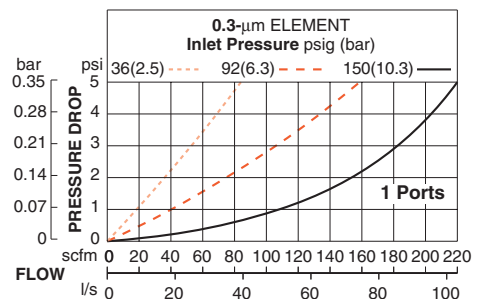
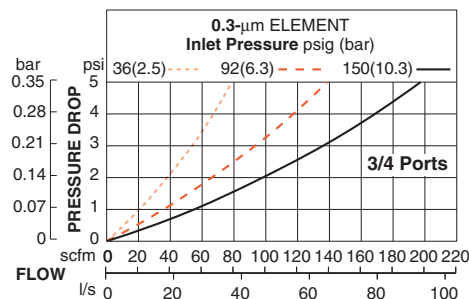
Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
3/4, 1	Polycarbonate	16-oz (480-ml)	4.5 (114)	8.0 (203)	3.1 (78)	4.5 (114)	2.38 (1.09)
3/4, 1	Aluminum	16-oz (480-ml)	4.5 (114)	8.3 (210)	3.1 (78)	4.5 (114)	3.20 (1.46)



REPLACEMENT FILTER ELEMENTS

Element Rating	Element Material	Model Number
0.3- μ m - Standard	Borosilicate-glass-fiber	949K77
0.01- μ m - Optional	Borosilicate-glass-fiber	R-A109-106E8

FLOW CHARTS



Large dual face differential Pressure Gauge included.

Options: Differential Pressure Gauges: Small Slide, Large Dual Face with Reed Switch (NO-NC), refer to page G6.6.

Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Construction Material	Filter Element: 0.3-micron rated borosilicate-glass-fiber coalescing element
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C)		Body: Aluminum
Fluid Media	Compressed air		Bowl: Polycarbonate bowl with steel shatterguard, or aluminum bowl with clear nylon sight glass
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: Up to 150 psig (up to 10 bar) Metal Bowl: Up to 200 psig (up to 14 bar)		Bowl Ring: Aluminum
Operating Pressure	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

In-line Coalescing Filters

HIGH-CAPACITY Series

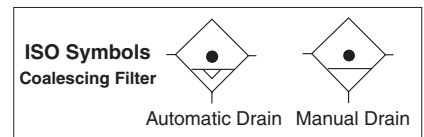
Port Sizes: 3/4 & 1 – Flow to 295 scfm

Port Size	Port Threads	Automatic Drain		Manual Drain	
		Metal Bowl	Extended Metal Bowl	Metal Bowl	Extended Metal Bowl
		Model Number	Model Number	Model Number	Model Number
3/4	NPTF	5X00B5086	5X00B5087	5032B5019	5032B5029
	G	C5X00B5086	C5X00B5087	C5032B5019	C5032B5029
1	NPTF	5X00B6064	5X00B6065	5032B6019	5032C6028
	G	C5X00B6064	C5X00B6065	C5032B6019	C5032C6028

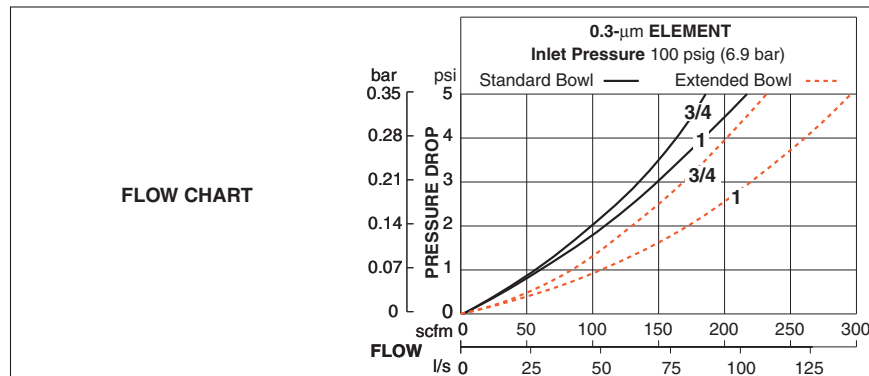
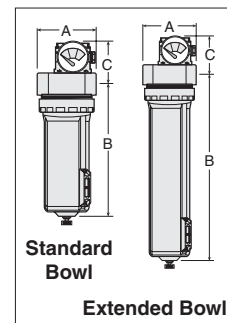
* Models include 0.3-micron rated filter element.



Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
3/4, 1	Standard	35-oz (1050-ml)	4.5 (114)	10.1 (257)	3.3 (83)	4.2 (106)	3.50 (1.59)
3/4, 1	Extended	62-oz (1860-ml)	4.5 (114)	15.7 (399)	3.3 (83)	4.2 (106)	4.25 (1.91)



REPLACEMENT FILTER ELEMENTS			
Element Rating	Bowl Type	Element Material	Model Number
0.3-µm - Standard	Standard	Borosilicate-glass-fiber	R-A114-112
	Extended	Borosilicate-glass-fiber	R-A114-113
0.01-µm - Optional	Standard	Borosilicate-glass-fiber	R-A114-112E8
	Extended	Borosilicate-glass-fiber	R-A114-113E8



Large dual face differential Pressure Gauge included.

Options: Differential Pressure Gauges: Small Slide, Large Dual Face with Reed Switch (NO-NC), refer to page G6.6.

Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Construction Material	Filter Element: 0.3-micron rated borosilicate-glass-fiber coalescing element
Temperature	Ambient/Media: 40° to 175°F (4° to 79°C)		Body: Aluminum
Fluid Media	Compressed air		Bowl: Aluminum bowl, or extended aluminum bowl
Operating Pressure	Automatic Drain Models: Up to 200 psig (up to 14 bar)		Bowl Ring: Aluminum
	Manual Drain Models: 0 to 200 psig (0 to 14 bar)		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

In-line Coalescing Filters

HIGH-CAPACITY Series

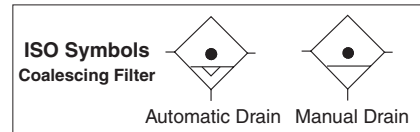
Port Sizes: 1¼ & 1½ – Flow to 450 scfm

Port Size	Port Threads	Automatic Drain		Manual Drain	
		Metal Bowl	Extended Metal Bowl	Metal Bowl	Extended Metal Bowl
		Model Number	Model Number	Model Number	Model Number
1¼	NPTF	5X00B7034	5X00B7036	5032B7019	5032B7029
	G	C5X00B7034	C5X00B7036	C5032B7019	C5032B7029
1½	NPTF	5X00B8035	5X00B8036	5032B8019	5032B8029
	G	C5X00B8035	C5X00B8036	C5032B8019	C5032B8029

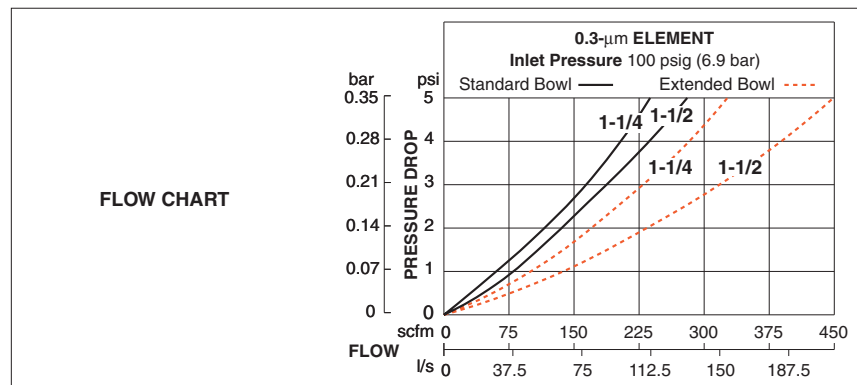
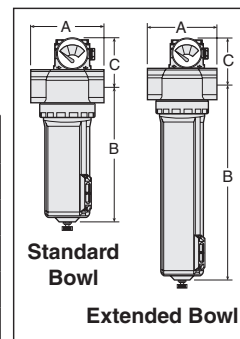
* Models include 0.3-micron rated filter element.



Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
1¼, 1½	Standard	35-oz (1050-ml)	5.5 (140)	10.6 (270)	3.7 (94)	4.2 (106)	4.31 (1.94)
	Extended	62-oz (1860-ml)	5.5 (140)	16.2 (412)	3.7 (94)	4.2 (106)	5.00 (2.27)



REPLACEMENT FILTER ELEMENTS			
Element Rating	Bowl Type	Element Material	Model Number
0.3-µm - Standard	Standard	Borosilicate-glass-fiber	R-A114-112
	Extended	Borosilicate-glass-fiber	R-A114-113
0.01-µm - Optional	Standard	Borosilicate-glass-fiber	R-A114-112E8
	Extended	Borosilicate-glass-fiber	R-A114-113E8



Large dual face differential Pressure Gauge included.

Options: Differential Pressure Gauges: Small Slide, Large Dual Face with Reed Switch (NO-NC), refer to page G6.6.

Bowl Drain - Internal Float Drain (on polycarbonate bowl only), consult ROSS.

Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Construction Material	Filter Element: 0.3-micron rated borosilicate-glass-fiber coalescing element
Temperature	Ambient/Media: 40° to 175°F (4° to 79°C)		Body: Aluminum
Fluid Media	Compressed air		Bowl: Aluminum bowl, or extended aluminum bowl
Operating Pressure	Automatic Drain Models: Up to 200 psig (up to 14 bar)		Bowl Ring: Aluminum
	Manual Drain Models: 0 to 200 psig (0 to 14 bar)		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

In-line Coalescing Filters

HIGH-CAPACITY Series

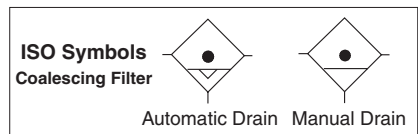
Port Sizes: 1¼ & 1½ – Flow to 465 scfm

Port Size	Port Threads	Internal Float Drain	Manual Drain	
		Metal Bowl	Metal Bowl	Extended Metal Bowl
		Model Number	Model Number	Model Number
1¼	NPTF	5X00B7019	5032B7018	5032B7028
	G	C5X00B7019	C5032B7018	C5032B7028
1½	NPTF	5X00B8008	5032B8018	5032B8028
	G	C5X00B8008	C5032B8018	C5032B8028

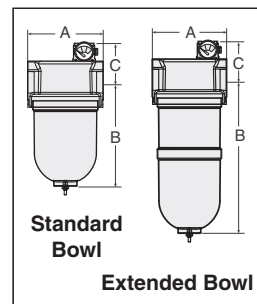
* Models include 0.3-micron rated filter element.



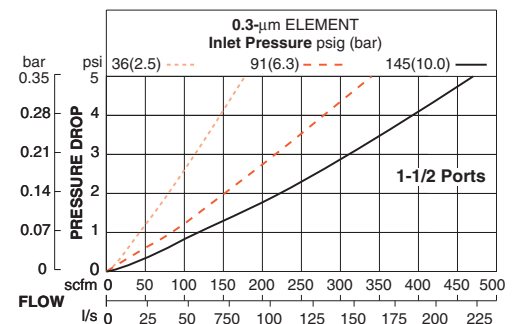
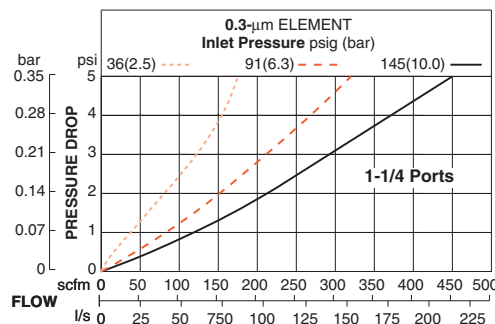
Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
1¼, 1½	Standard	123-oz (3700-ml)	8.1 (204.7)	12.0 (305.1)	4.6 (117.4)	8.0 (203.2)	17.0 (7.8)
1¼, 1½	Extended	233-oz (7000-ml)	8.1 (204.7)	18.3 (465.1)	4.6 (117.4)	8.0 (203.2)	26.0 (11.8)



REPLACEMENT FILTER ELEMENTS			
Element Rating	Bowl Type	Element Material	Model Number
0.3-µm - Standard	Standard	Borosilicate-glass-fiber	952K77
	Extended	Borosilicate-glass-fiber	953K77
0.01-µm - Optional	Standard	Borosilicate-glass-fiber	R-A106-24E8
	Extended	Borosilicate-glass-fiber	R-A106-24LE8



FLOW CHARTS



Large dual face differential Pressure Gauge included.

Options: Differential Pressure Gauges: Small Slide, Large Dual Face with Reed Switch (NO-NC), refer to page G6.6.

Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Construction Material	Filter Element: 0.3-micron rated borosilicate-glass-fiber coalescing element
Temperature	Ambient/Media: 40° to 175°F (4° to 79°C)		Body: Aluminum
Fluid Media	Compressed air		Bowl: Aluminum bowl, or extended aluminum bowl
Operating Pressure	Internal Float Drain Models: 30 to 200 psig (2 to 14 bar)		V-Band: Stainless Steel
	Manual Drain Models: 0 to 200 psig (0 to 14 bar)		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

In-line Coalescing Filters

HIGH-CAPACITY Series

Port Sizes: 2 – Flow to 840 scfm

Port Size	Internal Float Drain		Manual Drain	
	Metal Bowl		Metal Bowl	
	Model Number*		Model Number*	
	NPTF Threads	G Threads	NPTF Threads	G Threads
2	5X00B9009	C5X00B9009	5032B9018	C5032B9018

* Models include 0.3-micron rated filter element.

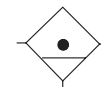


Port Size	Bowl Type	Bowl Capacity	Dimensions inches (mm)				Weight lb (kg)
			A	B	C	Depth	
2	Aluminum	233-oz (7000-ml)	8.1 (204.7)	18.3 (465.1)	4.6 (117.4)	8.0 (203.2)	26.0 (11.8)

ISO Symbols
Coalescing Filter

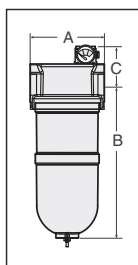


Automatic Drain

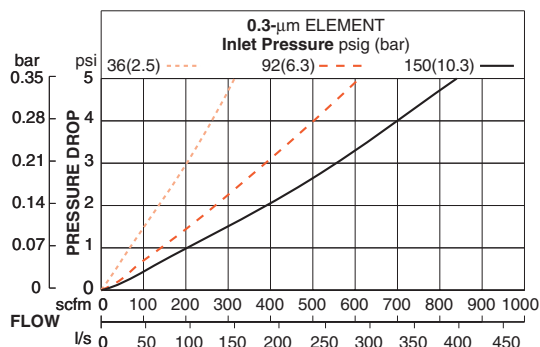


Manual Drain

REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Model Number
0.3- μ m - Standard	Borosilicate-glass-fiber	953K77
0.01- μ m - Optional	Borosilicate-glass-fiber	R-A106-24LE8



FLOW CHART



Large dual face differential Pressure Gauge included.

Options: Differential Pressure Gauges: Small Slide, Large Dual Face with Reed Switch (NO-NC), refer to page G6.6.

Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Construction Material	Filter Element: 0.3-micron rated borosilicate-glass-fiber coalescing element
Temperature	Ambient/Media: 40° to 175°F (4° to 79°C)		Body: Aluminum
Fluid Media	Compressed air		Bowl: Aluminum bowl
Operating Pressure	Internal Float Drain Models: 30 to 200 psig (2 to 14 bar)		V-Band: Stainless Steel
	Manual Drain Models: 0 to 200 psig (0 to 14 bar)		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Modular Oil Vapor Removal (Adsorbing) Filters

MD3™ Series

Port Sizes: 1/4, 3/8 & 1/2 – Flow to 125 scfm

HOW TO ORDER

Choose your options (in red) to configure your model number.

MD3 **50P** C 4 2

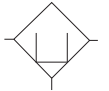
BOWL MATERIAL/SIZE	
Polycarbonate Bowl 5.1-oz (151-ml)	50P
Metal Bowl 6-oz (177-ml)	50M
Extended Metal Bowl 10-oz (295-ml)	50E

PIPE SIZE	
1/4 NPTF	2
3/8 NPTF	3
1/2 NPTF	4
1/4 G	B
3/8 G	C
1/2 G	D

CAP COLOR	
Black	2
Yellow	Y



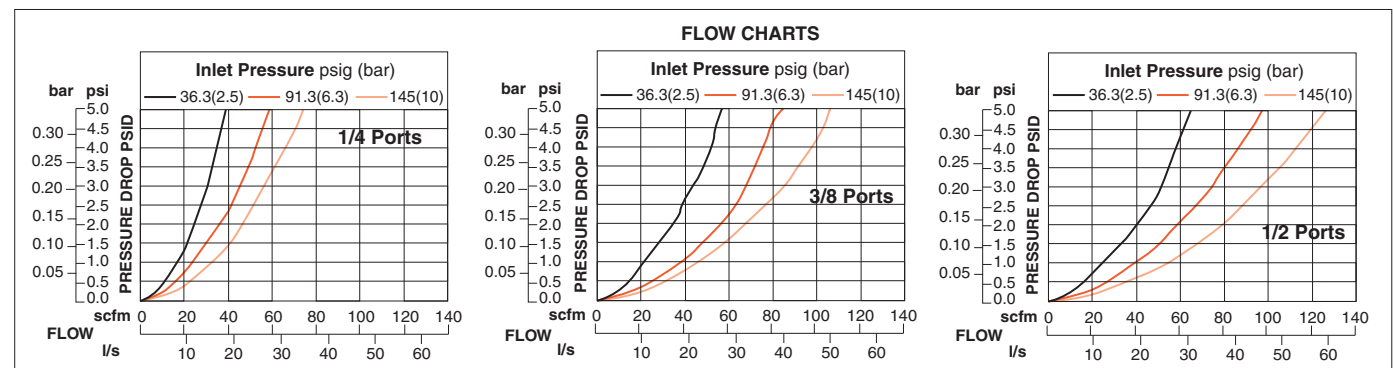
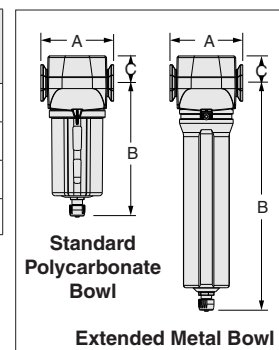
ISO Symbols
Adsorbing Filter
Manual Drain



Bowl Size	Bowl Type	Dimensions inches (mm)				Weight lb (kg)
		A	B*	C	Depth	
1/4, 3/8, 1/2	Polycarbonate	3.0 (76.2)	5.54 (140.6)	1.12 (28.3)	2.51 (63.8)	1.29 (0.59)
	Aluminum	3.0 (76.2)	6.42 (163.1)	1.12 (28.3)	2.76 (70.1)	1.41 (0.64)
	Extended Aluminum	3.0 (76.2)	9.51 (241.6)	1.12 (28.3)	2.76 (70.1)	1.54 (0.70)

* Bowl removal clearance: add 3.1 (79). Extended Bowl removal clearance: add 6.1 (155).

REPLACEMENT FILTER ELEMENTS	
Bowl Type	Model Number
Polycarbonate	R-A60F-29E9
Metal	R-A60F-29E9
Extended Metal	R-A60F-32E9



Accessories ordered separately, refer to page G6.3-5.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Construction Material	Activated carbon with urethane seals
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C)		Body: Cast Zinc
Fluid Media	Compressed air		Bowl: Polycarbonate with nylon shatterguard, aluminum bowl with clear nylon sight glass, or extended aluminum bowl with clear nylon sight glass
Operating Pressure	Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 250 psig (0 to 17 bar)		Seals: Nitrile
Bowl Drain	Manual		

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Modular Oil Vapor Removal (Adsorbing) Filters

Series MD4™

Port Sizes: 3/8, 1/2 & 3/4 – Flow to 165 scfm

HOW TO ORDER

Choose your options (in red) to configure your model number.

MD4 **50P** B **5** **2**

BOWL MATERIAL/SIZE

Polycarbonate Bowl 9-oz (270-ml)	50P
Metal Bowl 9-oz (270-ml)	50M
Extended Metal Bowl 15-oz (450-ml)	50E

CAP COLOR

Black	2
Yellow	Y

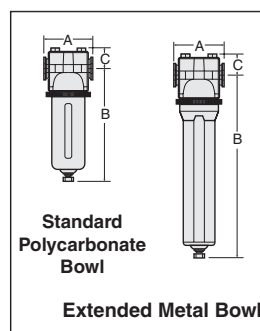
PIPE SIZE

3/8 NPTF	3
1/2 NPTF	4
3/4 NPTF	5
3/8 G	C
1/2 G	D
3/4 G	E



Bowl Size	Bowl Type	Dimensions inches (mm)				Weight lb (kg)
		A	B*	C	Depth	
3/8, 1/2, 3/4	Polycarbonate	3.5 (88)	7.7 (195)	1.1 (28)	2.9 (73)	2.13 (0.97)
	Aluminum	3.5 (88)	7.6 (193)	1.1 (28)	3.1 (79)	2.13 (0.97)
	Extended Aluminum	3.5 (88)	11.2 (284)	1.1 (28)	3.1 (79)	2.31 (1.05)

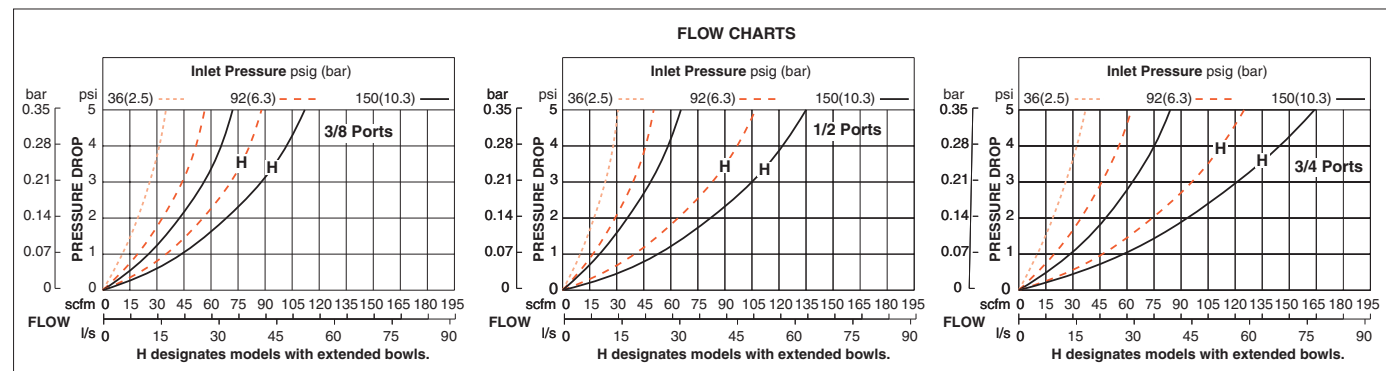
* Bowl removal clearance: add 3.1 (79). Extended Bowl removal clearance: add 6.1 (155).



ISO Symbols
Adsorbing Filter
Manual Drain



REPLACEMENT FILTER CARTRIDGE		
Filter Rating	Bowl Type	Model Number
0.01-µm	Standard	R-A115-117E9
	Extended	R-A115-118E9



Accessories ordered separately, refer to page G6.3-5.

STANDARD SPECIFICATIONS (for filters on this page):

Construction Design	Fiber	Construction Material	Filter Cartridge: Activated carbon with urethane seals
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C)		Body: Zinc
Fluid Media	Compressed air		Bowl: Polycarbonate bowl with steel shatterguard, aluminum bowl, or extended aluminum bowl
Operating Pressure	Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)		Bowl Ring: Nylon
Bowl Drain	Manual		Seals: Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Modular Clean Air Package

MD3™ Series

Port Sizes: 1/4, 3/8 & 1/2 – Flow to 125 scfm

HOW TO ORDER

Choose your options (in red) to configure your model number.

MD3 CAP 1 A C 1 2 2 A 1

BOWLS MATERIAL/SIZE	
Polycarbonate Bowls 5.1-oz (151-ml)	1
Metal Bowls 6-oz (177-ml)	2
Extended Metal Bowls 10-oz (295-ml)	3

COALESCING FILTER ELEMENT TYPE	
0.3-µm Borosilicate Glass	A
0.01-µm Borosilicate Glass	B

BOWL DRAIN	
Manual Drain	1
Float Drain	F

PIPE SIZE	
1/4 NPTF	2
3/8 NPTF	3
1/2 NPTF	4
1/4 G	B
3/8 G	C
1/2 G	D

CAP COLOR	
Black	2
Yellow	Y

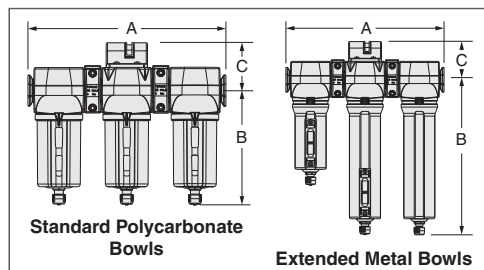
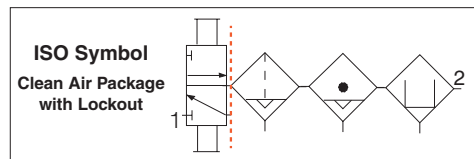
DIFFERENTIAL PRESSURE GAUGE	
Without Gauge	A
Small Slide Gauge	S

LOCKOUT VALVE	
L-O-X® on outlet side	1
L-O-X® on the inlet side	2
L-O-X® with EEZ-ON® on outlet side	3
L-O-X® with EEZ-ON® on inlet side	4
Without Valve	Leave Blank

Bowl Size	Bowl Type	Dimensions inches (mm)				Weight lb (kg)
		A*	B*	C	Depth	
1/4, 3/8, 1/2	Polycarbonate	9.58 (243.3)	5.54 (140.6)	2.38 (59.3)	2.51 (63.8)	4.3 (2.0)
	Aluminum	9.58 (243.3)	6.42 (163.1)	2.38 (59.3)	2.76 (70.1)	4.6 (2.1)
	Extended Aluminum	9.58 (243.3)	9.51 (241.6)	2.38 (59.3)	2.76 (70.1)	4.9 (2.2)
* Lockout: With the lockout valve, add 2.3 (58) to dimension A. Bowl removal clearance: add 3.1 (79). Extended Bowl removal clearance: add 6.1 (155).						

REPLACEMENT COALESCING ELEMENTS		
Element Rating	Bowl Type	Model Number
0.3-µm	Polycarbonate	R-A60F-23
	Metal	R-A60F-29
	Extended Metal	R-A60F-32
0.01-µm	Polycarbonate	R-A60F-23E8
	Metal	R-A60F-29E8
	Extended Metal	R-A60F-32E8

REPLACEMENT ADSORBING ELEMENTS	
Bowl Type	Model Number
Polycarbonate	R-A60F-29E9
Metal	R-A60F-29E9
Extended Metal	R-A60F-29



REPLACEMENT FILTER ELEMENTS		
Element Rating	Element Material	Model Number
5-µm	Polyethylene	R-A60F-03PE5

Accessories ordered separately, refer to page G6.3-5.

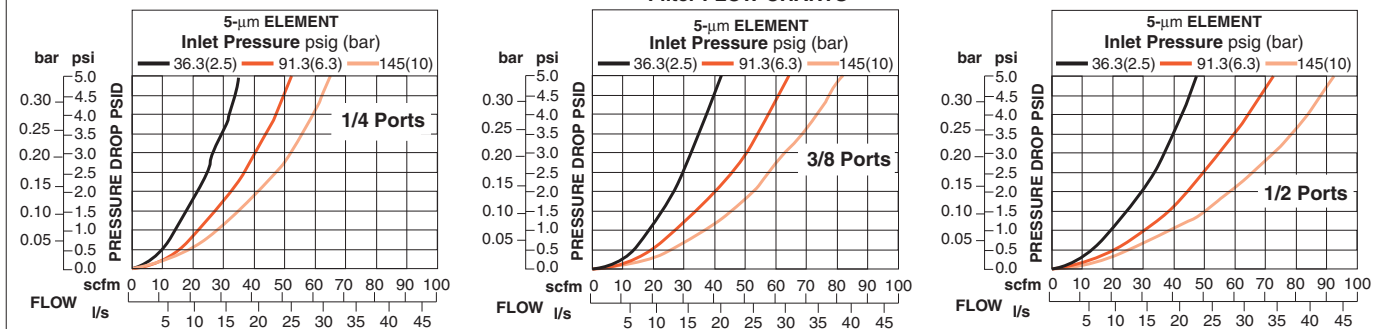
STANDARD SPECIFICATIONS (for units on this page):

Construction Design	Filter, Coalescing Filter - Fiber	Bowl Drain	Filter and Coalescing Filter: Internal float drain or manual drain. Adsorber Filter: Manual drain only.
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C) Metal Bowl & Float Drain: 40° to 175°F (4° to 79°C)	Construction Material	Filter Element: 5-µm-rated polyethylene Coalescing Filter Element: 0.3-micron rated or 0.01-micron rated borosilicate-glass-fiber Adsorbing Filter Element: Activated carbon with urethane seals Bowls: Polycarbonate bowl with nylon shatterguard; aluminum bowl with clear nylon sight glass; extended aluminum bowl with clear nylon sight glass and higher flow filter element (for coalescing and adsorber filter only) Seals: Nitrile
Fluid Media	Compressed air		
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: 30 to 150 psig (2 to 10 bar) Metal Bowl: 30 to 200 psig (2 to 14 bar) Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 250 psig (0 to 17 bar)		

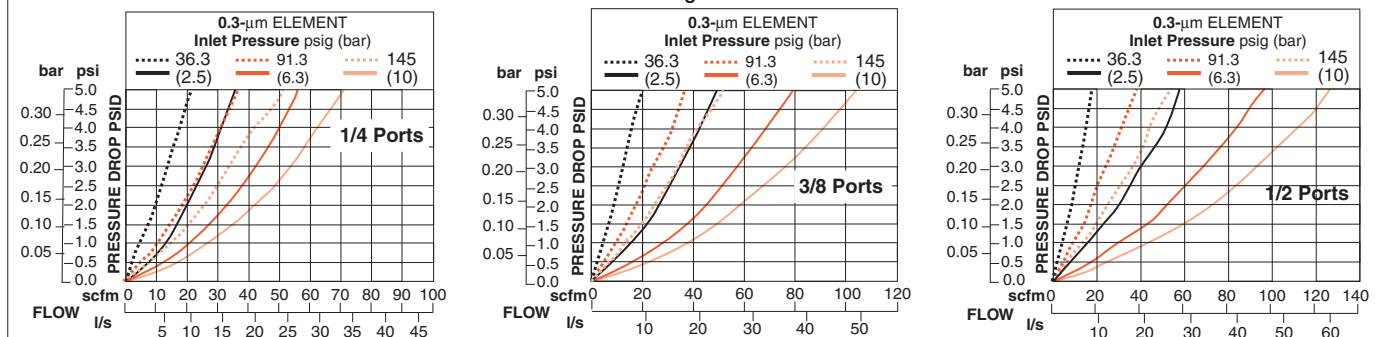
IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

AIR FLOW and CONSTRUCTION DATA

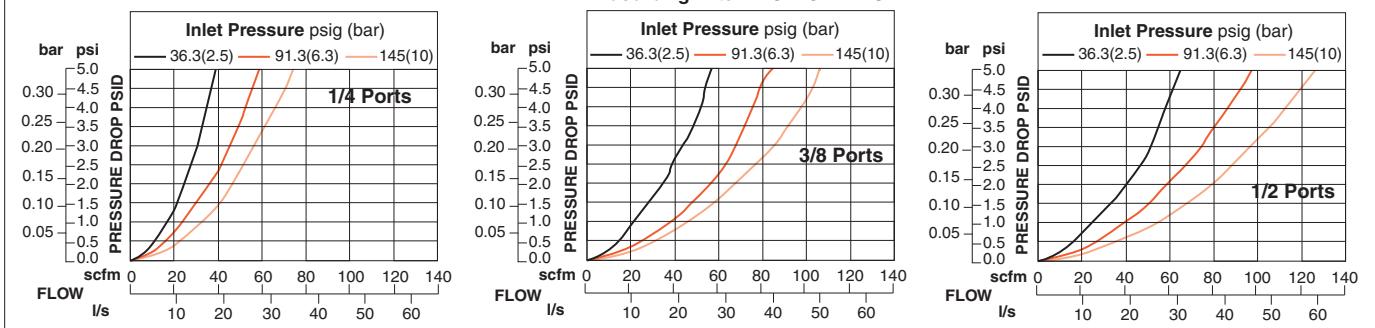
Filter FLOW CHARTS



Coalescing Filter FLOW CHARTS



Adsorbing Filter FLOW CHARTS



Modular Clean Air Package

Series MD4™

Port Sizes: 3/8, 1/2 & 3/4

HOW TO ORDER

Choose your options (in red) to configure your model number.

MD4 CAP 1 A B 1 5 2 L 1

BOWLS MATERIAL/SIZE	
Polycarbonate Bowls 9-oz (266-ml) - on all units	1
Metal Bowls 9-oz (266-ml) - on all units	2
Metal Bowl 9 oz (266-ml) - on Filter	
Metal Bowls 15-oz (443-ml) - on Coalescing and Adsorbing Filter	3

COALESCING FILTER ELEMENT TYPE	
0.3-µm Borosilicate Glass	A
0.01-µm Borosilicate Glass	B

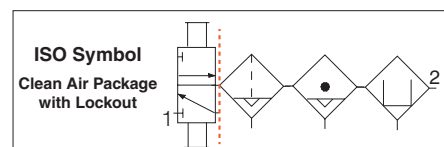
BOWL DRAIN	
Manual	1
Internal Automatic (not available on adsorber)	2
Internal Float drain	F

PIPE SIZE	
3/8 NPTF	3
1/2 NPTF	4
3/4 NPTF	5
3/8 G	C
1/2 G	D
3/4 G	E

CAP COLOR	
Black	2
Yellow	Y

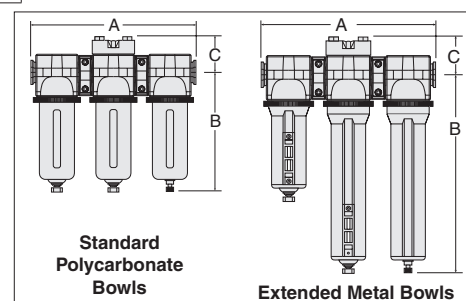
LOCKOUT VALVE	
L-O-X® on outlet side	1
L-O-X® on the inlet side	2
L-O-X® with EEZ-ON® on outlet side	3
L-O-X® with EEZ-ON® on inlet side	4
Without Valve	Leave Blank

DIFFERENTIAL PRESSURE GAUGE	
Without Gauge	A
Large Dual Face Gauge	L
Small Slide Gauge	S
Large Dual Face Gauge, with Normally Open Reed Switch	E
Large Dual Face Gauge, with Normally Closed Reed Switch	C



Port Size	Bowl Type	Dimensions inches (mm)				Weight lb (kg)
		A**	B**	C	Depth	
3/8, 1/2, 3/4	Polycarbonate	10.9 (276)	7.7 (195)	2.2 (55)	2.9 (73)	6.63 (3.01)
	Aluminum	3.5 (88)	7.7 (195)	2.2 (55)	2.9 (73)	6.63 (3.01)
	Extended Aluminum	3.5 (88)	11.2 (284)	2.2 (55)	2.9 (73)	7.00 (3.18)

** Lockout: With the lockout valve, add 2.3 (58) to dimension A.
Bowl removal clearance: add 3.1 (79). Extended Bowl removal clearance: add 6.1 (155).



REPLACEMENT FILTER ELEMENTS				
Filter Type	Element Rating	Bowl Type	Element Material	Model Number
Filter	5-µm	Standard	Polyethylene	R-A115-106PE5
Coalescing	0.3-µm	Standard	Borosilicate-glass-fiber	R-A115-117
	0.3-µm	Extended	Borosilicate-glass-fiber	R-A115-118
	0.01-µm	Standard	Borosilicate-glass-fiber	R-A115-117E8
	0.01-µm	Extended	Borosilicate-glass-fiber	R-A115-118E8
Adsorbing	Standard Cartridge	Standard	Activated Carbon	R-A115-117E9
	Extended Standard Cartridge	Extended	Activated Carbon	R-A115-118E9

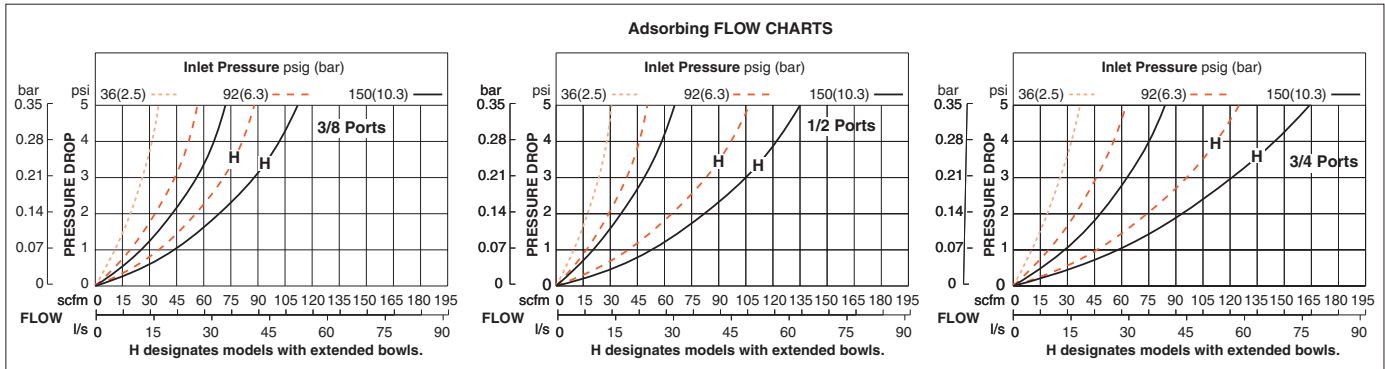
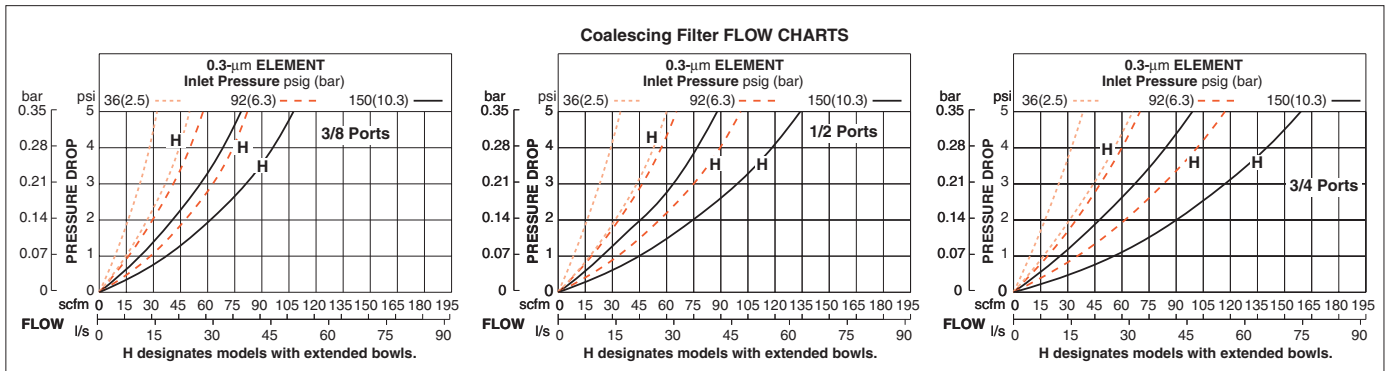
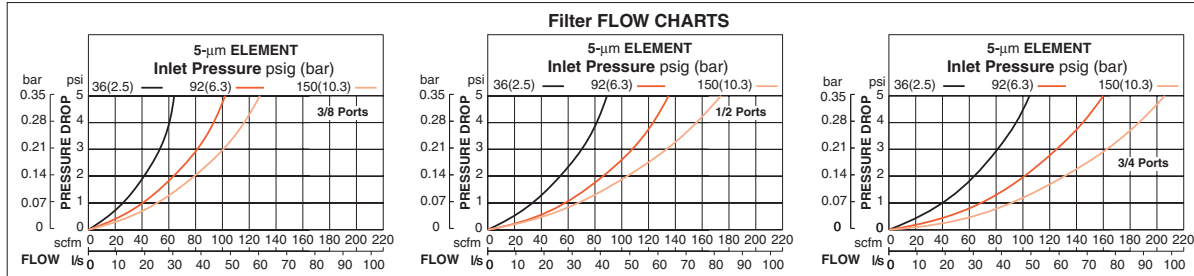
Accessories ordered separately, refer to page G6.3-5.

STANDARD SPECIFICATIONS (for units on this page):

Construction Design	Filter, Coalescing Filter - Fiber	Filter Drain	Internal automatic drains for general purpose and coalescing filters; manual drain for adsorbing filter. Optional internal float drain on polycarbonate bowl only, consult ROSS.
Temperature	Ambient/Media: Polycarbonate Bowl: 40° to 125°F (4° to 52°C) Metal Bowl: 40° to 175°F (4° to 79°C)	Construction Material	Filter Element: 5-µm-rated polyethylene Coalescing Filter Element: 0.3-micron rated or 0.01-micron rated borosilicate-glass-fiber Adsorbing Filter Element: Activated carbon with urethane seals Bowls: Polycarbonate bowls with steel shatterguard; aluminum bowl with clear nylon sight glasses on general purpose and coalescing units, or extended aluminum bowls for coalescing and adsorbing filters Seals: Nitrile
Fluid Media	Compressed air		
Operating Pressure	Automatic Drain Models Polycarbonate Bowl: 15 to 150 psig (1 to 10 bar) Metal Bowl: 15 to 200 psig (1 to 14 bar)		
	Internal Float Drain Models Polycarbonate Bowl: 30 to 150 psig (2 to 10 bar) Metal Bowl: 30 to 200 psig (2 to 14 bar)		
	Manual Drain Models Polycarbonate Bowl: 0 to 150 psig (0 to 10 bar) Metal Bowl: 0 to 200 psig (0 to 14 bar)		

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

AIR FLOW and CONSTRUCTION DATA

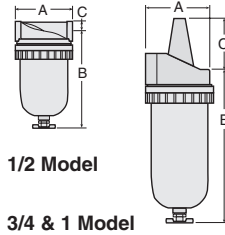


In-line Silencers/Reclassifiers

Port Sizes: 1/2, 3/4 & 1

Port Size	Bowl Type	Model Number	
		NPTF Threads	G Threads
1/2	Polycarbonate	5055B4009	C5055B4009
3/4	Polycarbonate	5055B5009	C5055B5009
1	Polycarbonate	5055B6009	C5055B6009

Port Size	Dimensions inches (mm)				Weight lb (kg)
	A	B	C	Depth	
1/2	3.5 (89)	5.5 (140)	0.7 (18)	3.5 (89)	1.3 (0.59)
3/4	4.2 (107)	8.4 (213)	2.7 (69)	4.2 (107)	2.8 (1.27)
1	4.2 (107)	8.4 (213)	2.7 (69)	4.2 (107)	2.8 (1.27)



1/2 Model



3/4 & 1 Model

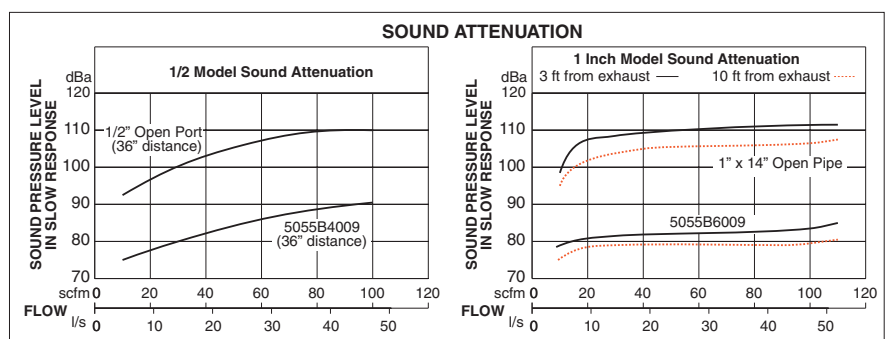
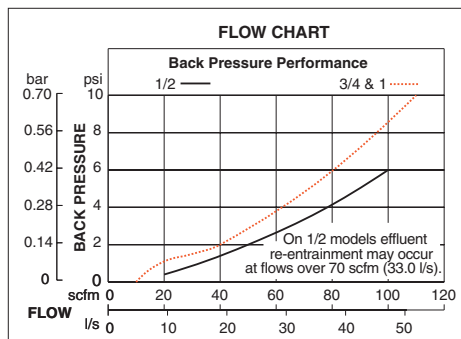
REPLACEMENT FILTER ELEMENTS

Port Size	Element Rating	Element Material	Model Number
1/2	20-µm	Sintered Bronze	940K77
3/4, 1	100-µm	Sintered Bronze	981K77

SOUND ATTENUATION DATA

Constant-flow tests - conducted in a 14' x 22' room with a 14' ceiling.

Sound pressure levels - recorded using a B & K precision impulse sound meter (model 22045), a 1-inch microphone (DB0375), a flexible extension rod (UA0196), and a random incidence corrector (UA0055). Test system was mounted on the 14-foot wall with exhaust port 4 feet from the 14-foot wall.



Accessories ordered separately, refer to page E6.3-4.

STANDARD SPECIFICATIONS (for silencers/reclassifiers on this page):

Construction Design	Sintered	Operating Pressure	5 to 150 psig (0.3 to 10 bar)
Temperature	Ambient/Media: 40° to 125°F (4° to 52°C)	Filter Element	20- or 100-µm-rated sintered bronze
Fluid Media	Compressed air	Bowl	Polycarbonate
		Seals	Nitrile

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

In-line Drip Leg

Drains

Port Sizes: 3/4, 1, 1¼, 1½ & 2

Port Size	Port Threads	With Drain-Cock		With Ball Valve				
		Bowl Capacity ounce (ml)		Bowl Capacity ounce (ml)				
		35 (1035)	62 (1833)	35 (1035)	62 (1833)	120 (3548)	230 (6801)	340 (10055)
		Model Number	Model Number	Model Number	Model Number	Model Number	Model Number	Model Number
3/4	NPTF	RC012-01	RC012-01-64	RC012-01-BV	RC012-01-64-BV	—	—	—
	G	RC012-01D	RC012-01-64D	RC012-01-BVD	RC012-01-64-BVD	—	—	—
1	NPTF	RC013-01	RC013-01-64	RC013-01-BV	RC013-01-64-BV	—	—	—
	G	RC013-01D	RC013-01-64D	RC013-01-BVD	RC013-01-64-BVD	—	—	—
1¼	NPTF	RC014-01	RC014-01-42	RC014-01-BV	RC014-01-64-BV	—	—	—
	G	RC014-01D	RC014-01-64D	RC014-01-BVD	RC014-01-64-BVD	—	—	—
1½	NPTF	RC015-01	RC015-01-64	RC015-01-BV	RC015-01-64-BV	—	—	—
	G	RC015-01D	RC015-01-64D	RC015-01-BVD	RC015-01-64-BVD	—	—	—
2	NPTF	—	—	—	—	RC016-01-120	RC016-01-225	RC016-01
	G	—	—	—	—	RC016-01-120D	RC016-01-225D	RC016-01D

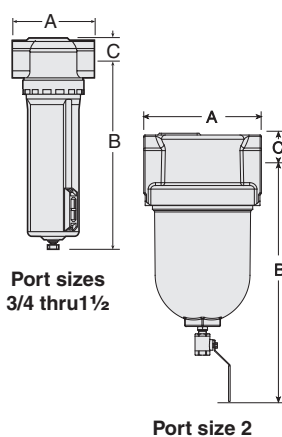


Port sizes
3/4 thru 1½



Port size 2

Port Size	Bowl Capacity ounce (ml)	Dimensions inches (mm)				Weight lb (kg)
		A	B*	C	Depth	
3/4	35 (1035)	4.5 (114)	10.6 (269)	0.81 (21)	4.2 (106)	4.25 (1.93)
	62 (1833)	4.5 (114)	16.2 (412)	0.81 (21)	4.2 (106)	5.00 (2.25)
1	35 (1035)	5.5 (140)	10.6 (269)	1.4 (36)	4.2 (106)	4.25 (1.93)
	62 (1833)	5.5 (140)	16.2 (412)	1.4 (36)	4.2 (106)	5.00 (2.25)
1¼	35 (1035)	5.5 (140)	11.2 (285)	1.4 (36)	4.2 (106)	4.50 (2.04)
	62 (1833)	5.5 (140)	16.7 (424)	1.4 (36)	4.2 (106)	5.81 (2.37)
1½	35 (1035)	5.5 (140)	11.2 (285)	1.4 (36)	4.2 (106)	4.50 (2.04)
	62 (1833)	5.5 (140)	16.7 (424)	1.4 (36)	4.2 (106)	5.81 (2.37)
2	120 (3548)	8.1 (206)	15.5 (394)	4.6 (117)	8.0 (203)	17.00 (7.72)
	230 (6801)	8.1 (206)	22.5 (572)	4.6 (117)	8.0 (203)	21.9 (9.82)
	340 (10055)	8.1 (206)	29.5 (749)	4.6 (117)	8.0 (203)	26.8 (11.92)



* Add 3.5 inches (89 mm) to Dimension "B" and 0.29 lb (0.13 kg) to weight for units with Ball valves (BV option).

The ROSS Drip Leg Drain replaces conventional welded drip legs through improvements in both performance and serviceability resulting in increased machine productivity.

The ROSS Drip Leg Drain has a baffling device that increases the contamination removal efficiency by requiring the air to make more direction changes than a standard drip leg drain. This efficiency gain puts less contamination at the point of filtration, allowing the filter to function longer before maintenance is necessary.

Accessories ordered separately, refer to page G6.3-4.

STANDARD SPECIFICATIONS (for products on this page):

Temperature	Ambient/Media: 40° to 175°F (4° to 79°C)	Construction Material	Filter Drain: Drain-cock or Ball valve Heads: Aluminum Bowl Rings: Aluminum Seals: Nitrile
Fluid Media	Compressed air		
Operating Pressure	5 to 200 psig (0.3 to 14 bar)		

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.



บริษัท ฟลูเทค จำกัด
FLU-TECH CO.,LTD

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