



Air Preparation Products Prep-Air® II Products

Particulate Filters

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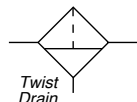
Accessories

Mounting Bracket Kits	E51
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05F Particulate Filters - Economy

- Excellent water removal efficiency
- Unique deflector plate and shroud creates a swirling of the air stream ensuring maximum water and dirt separation
- Large filter element surface guarantees low pressure drop and increased element life
- 40 micron filter element standard
- Shown with recommended metal bowl guard
- 1/4" & 3/8" ports (NPT)

**Operating information**

Supply pressure (max):		
Plastic bowl		0 to 150 psig (0 to 10.3 bar)
Auto pulse drain		10 to 150 psig (0.7 to 10.3 bar)
Operating temperature:		
Plastic bowl		32°F to 125°F (0°C to 52°C)
Flow capacity†:		
High flow	1/4"	54 scfm (25.5 dm³/s, ANR)
	3/8"	70 scfm (33 dm³/s, ANR)
Bowl capacity:		2.0 oz.
Sump capacity:		0.9 oz.
Weight:		1.2 lb (0.54 kg)

† scfm = Standard cubic feet per minute at 90 psig inlet and 5 psig pressure drop.

Ordering Information:

Port Size	Description †	Part Number
1/4"	Poly Bowl, Metal Bowl Guard, Twist Drain, 40 Micron	05F12AA
3/8"	Poly Bowl, Metal Bowl Guard, Twist Drain, 40 Micron	05F22AA

† For polycarbonate bowl and sight dome, see caution in Engineering Section A.

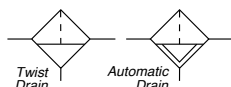
Most popular.



Compact Particulate Filters

06F Particulate Filters – Compact

- Excellent water removal efficiency
- Unique deflector plate and shroud creates a swirling of the air stream ensuring maximum water and dirt separation
- Large filter element surface guarantees low pressure drop and increased element life
- Optional automatic float drain available
- Shown with recommended metal bowl guard
- 1/4", 3/8", 1/2" ports – NPT



Operating information

Supply pressure (max):

Without DPI	
Plastic bowl	0 to 150 psig (0 to 10.3 bar)
Metal bowl	0 to 250 psig (0 to 17.2 bar)
With DPI	0 to 150 psig (0 to 10.3 bar)
Auto float drain	15 to 250 psig (1.0 to 17.2 bar)

Operating temperature:

Plastic bowl	32°F to 125°F (0°C to 52°C)
Metal bowl	32°F to 175°F (0°C to 80°C)
With DPI	32°F to 125°F (0°C to 52°C)

Flow capacity[†]:

High flow	1/4"	53 scfm (25 dm³/s, ANR)
	3/8"	80 scfm (37.8 dm³/s, ANR)
	1/2"	85 scfm (40.1 dm³/s, ANR)

Bowl capacity: 4.4 oz.

Sump capacity: 1.75 oz.

Weight: 1.4 lb (0.6 kg)

[†] scfm = Standard cubic feet per minute at 90 psig inlet and 5 psig pressure drop.

DPI = Differential pressure indicator

Ordering Information:

Port Size	Description †	Part Number
1/4"	Poly Bowl, Metal Bowl Guard, Twist Drain, 40 Micron	06F12AC
1/4"	Poly Bowl, Metal Bowl Guard, Twist Drain, 5 Micron	06F12BC
1/4"	Metal Bowl, Twist Drain, 40 Micron	06F13AC
1/4"	Metal Bowl, Sight Gauge, Twist Drain, 40 Micron	06F14AC
1/4"	Poly Bowl, Metal Bowl Guard, Auto Float Drain, 40 Micron	06F16AC
1/4"	Poly Bowl, Metal Bowl Guard, Auto Float Drain, 5 Micron	06F16BC
1/4"	Metal Bowl, Auto Float Drain, 40 Micron	06F17AC
1/4"	Metal Bowl, Auto Float Drain, 5 Micron	06F17BC
1/4"	Metal Bowl, Sight Gauge, Auto Float Drain, 40 Micron	06F18AC
1/4"	Metal Bowl, Sight Gauge, Auto Float Drain, 5 Micron	06F18BC
3/8"	Poly Bowl, Metal Bowl Guard, Twist Drain, 40 Micron	06F22AC
3/8"	Poly Bowl, Metal Bowl Guard, Twist Drain, 5 Micron	06F22BC

Continued on next page



Compact Particulate Filters

Air Preparation Products Prep-Air® II Series

Ordering Information cont.:

Port Size	Description †	Part Number
3/8"	Metal Bowl, Sight Gauge, Twist Drain, 5 Micron	06F24BC
3/8"	Poly Bowl, Metal Bowl Guard, Auto Float Drain, 40 Micron	06F26AC
3/8"	Poly Bowl, Metal Bowl Guard, Auto Float Drain, 5 Micron	06F26BC
3/8"	Metal Bowl, Auto Float Drain, 5 Micron	06F27BC
3/8"	Metal Bowl, Sight Gauge, Auto Float Drain, 5 Micron	06F28BC
1/2"	Poly Bowl, Metal Bowl Guard, Twist Drain, 40 Micron	06F32AC
1/2"	Poly Bowl, Metal Bowl Guard, Twist Drain, 5 Micron	06F32BC
1/2"	Metal Bowl, Twist Drain, 40 Micron	06F33AC
1/2"	Metal Bowl, Sight Gauge, Twist Drain, 40 Micron	06F34AC
1/2"	Metal Bowl, Sight Gauge, Twist Drain, 5 Micron	06F34BC
1/2"	Poly Bowl, Metal Bowl Guard, Auto Float Drain, 40 Micron	06F36AC
1/2"	Poly Bowl, Metal Bowl Guard, Auto Float Drain, 5 Micron	06F36BC
1/2"	Metal Bowl, Sight Gauge, Auto Float Drain, 40 Micron	06F38AC
1/2"	Metal Bowl, Sight Gauge, Auto Float Drain, 5 Micron	06F38BC
G3/8	Poly Bowl, Metal Bowl Guard, Twist Drain, 40 Micron	06F22AC1
G1/2"	Poly Bowl, Metal Bowl Guard, Twist Drain, 5 Micron	06F32BC1
G1/2"	Metal Bowl, Sight Gauge, Twist Drain, 5 Micron	06F34BC1

† For polycarbonate bowl and sight dome, see caution in Engineering Section A.

 Most popular.



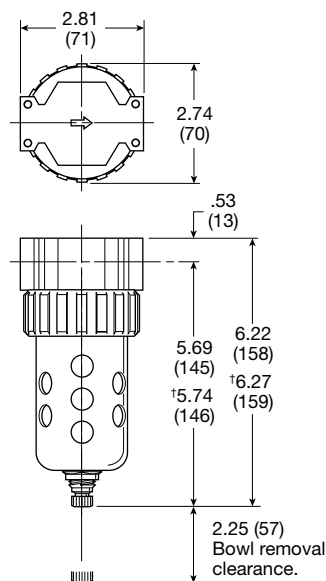
Compact Particulate Filters

Material Specifications

Body	Zinc
Transparent bowl	Polycarbonate
Metal bowl with or without sight gauge	Zinc
Bowl Guards	Steel
Collar	Plastic
Deflector, shroud & baffle	Plastic
Twist drain - body & nut	Plastic
Auto float drain - housing, float	Plastic
Auto float drain - seals	Nitrile
Auto float drain - springs, push rod	Stainless steel
Element	Plastic
Adsorber (optional)	Activated charcoal
Seals	Nitrile
Sight gauge	Polyamide

Repair and Service Kits

Bowl guard kit	PS705P
Poly bowl / auto float drain kit	PS722P
Poly bowl / twist drain kit	PS732P
Metal bowl / auto float drain kit	PS726P
Metal bowl / twist drain kit	PS734P
Metal bowl / sight gauge / auto float drain kit	PS723P
Metal bowl / sight gauge / twist drain kit	PS735P
Auto float drain kit	PS506P
Twist drain kit	PS512P
40 micron element	PS701P
5 micron element	PS702P
Adsorber element	PS731P
Mounting bracket kit	PS743P
Sight gauge kit	PS914P

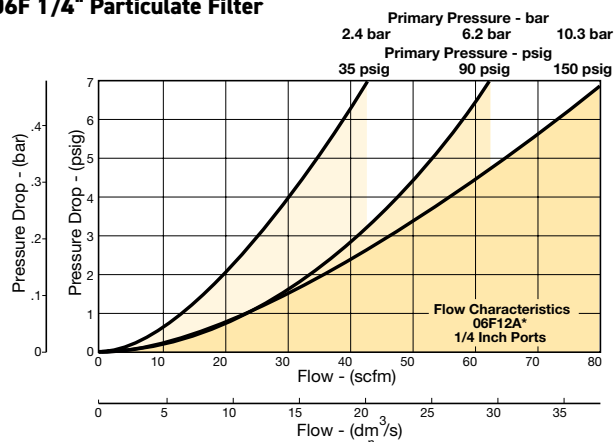


† With auto float drain
Inches (mm)

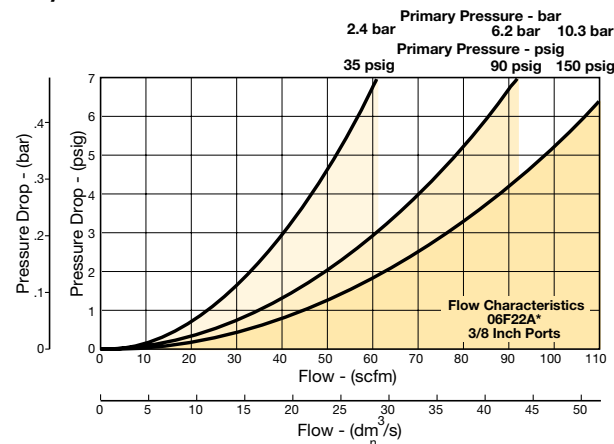
Air Preparation Products Prep-Air® II Series

Flow Charts

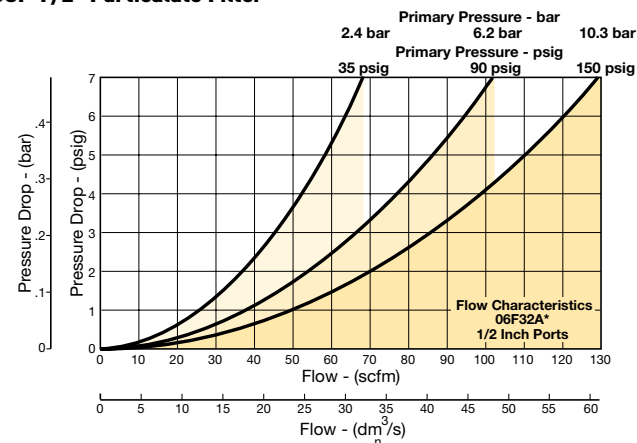
06F 1/4" Particulate Filter



06F 3/8" Particulate Filter

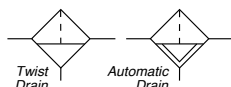


06F 1/2" Particulate Filter



07F Particulate Filters – Standard

- Excellent water removal efficiency
- Unique deflector plate and shroud creates a swirling of the air stream ensuring maximum water and dirt separation
- Large filter element surface guarantees low pressure drop and increased element life
- Optional automatic float drain available
- Shown with recommended metal bowl guard
- 1/2", 3/4" ports – NPT



Ordering Information:

Port Size	Description †	Part Number
1/2"	Poly Bowl, Metal Bowl Guard, Twist Drain, 40 Micron	07F32AC
1/2"	Poly Bowl, Metal Bowl Guard, Twist Drain, 5 Micron	07F32BC
1/2"	Metal Bowl, Twist Drain, 40 Micron	07F33AC
1/2"	Metal Bowl, Sight Gauge, Twist Drain, 40 Micron	07F34AC
1/2"	Metal Bowl, Sight Gauge, Twist Drain, 5 Micron	07F34BC
1/2"	Poly Bowl, Metal Bowl Guard, Auto Float Drain, 40 Micron	07F36AC
1/2"	Poly Bowl, Metal Bowl Guard, Auto Float Drain, 5 Micron	07F36BC
1/2"	Metal Bowl, Auto Float Drain, 40 Micron	07F37AC
1/2"	Metal Bowl, Sight Gauge, Auto Float Drain, 40 Micron	07F38AC
1/2"	Metal Bowl, Sight Gauge, Auto Float Drain, 5 Micron	07F38BC
3/4"	Poly Bowl, Metal Bowl Guard, Twist Drain, 40 Micron	07F42AC
3/4"	Poly Bowl, Metal Bowl Guard, Twist Drain, 5 Micron	07F42BC
3/4"	Metal Bowl, Sight Gauge, Twist Drain, 40 Micron	07F44AC
3/4"	Metal Bowl, Sight Gauge, Twist Drain, 5 Micron	07F44BC
3/4"	Poly Bowl, Metal Bowl Guard, Auto Float Drain, 40 Micron	07F46AC
3/4"	Poly Bowl, Metal Bowl Guard, Auto Float Drain, 5 Micron	07F46BC
3/4"	Metal Bowl, Auto Float Drain, 40 Micron	07F47AC
3/4"	Metal Bowl, Sight Gauge, Auto Float Drain, 40 Micron	07F48AC

†For polycarbonate bowl and sight dome, see caution in Engineering Section A.

Operating information

Supply pressure (max):

Without DPI

Plastic bowl 0 to 150 psig (0 to 10.3 bar)

Metal bowl 0 to 250 psig (0 to 17.2 bar)

With DPI

0 to 150 psig (0 to 10.3 bar)

Auto float drain 15 to 250 psig (1.0 to 17.2 bar)

Operating temperature:

Plastic bowl 32°F to 125°F (0°C to 52°C)

Metal bowl 32°F to 175°F (0°C to 80°C)

With DPI 32°F to 125°F (0°C to 52°C)

Flow capacity†:

High flow 1/2" 130 scfm (61.4 dm³/s, ANR)

3/4" 145 scfm (68.4 dm³/s, ANR)

Bowl capacity:

7.2 oz.

Sump capacity:

2.8 oz.

Weight:

2.2 lb (1.0 kg)

† scfm = Standard cubic feet per minute at 90 psig inlet and 5 psig pressure drop.

DPI = Differential pressure indicator

Most popular.



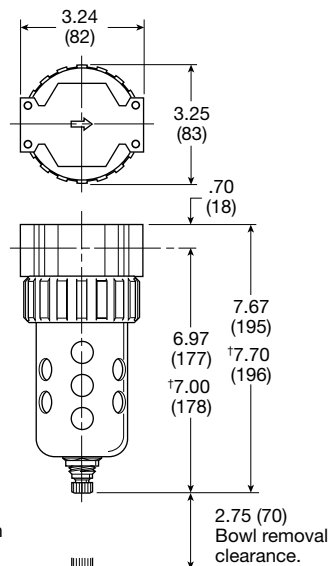
Standard Particulate Filters

Material Specifications

Body	Zinc
Transparent bowl	Polycarbonate
Metal bowl with or without sight gauge	Zinc
Bowl guards	Steel
Collar	Plastic or metal
Deflector, shroud & baffle	Plastic
Twist drain, body & nut	Plastic
Auto float drain – housing, float	Plastic
Auto float drain – seals	Nitrile
Auto float drain – springs, push rod	Stainless steel
Element	Plastic
Adsorber element (optional)	Activated charcoal
Seals	Nitrile
Sight gauge	Polyamide

Repair and Service Kits

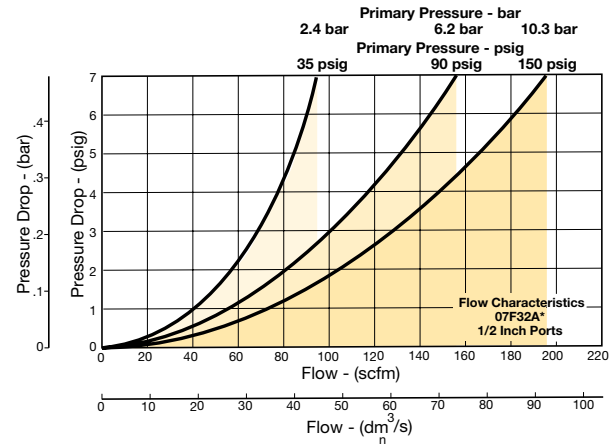
Bowl guard kit	PS805P
Poly bowl / auto float drain kit	PS822P
Poly bowl / twist drain kit	PS832P
Metal bowl / auto float drain kit	PS826P
Metal bowl / twist drain kit	PS834P
Metal bowl / sight gauge / auto drain kit	PS823P
Metal bowl / sight gauge / twist drain kit	PS835P
Auto float drain kit	PS506P
Twist drain kit	PS512P
40 micron element	PS801P
5 micron element	PS802P
Adsorber element	PS831P
Mounting bracket kit	PS843P
Sight gauge kit	PS914P



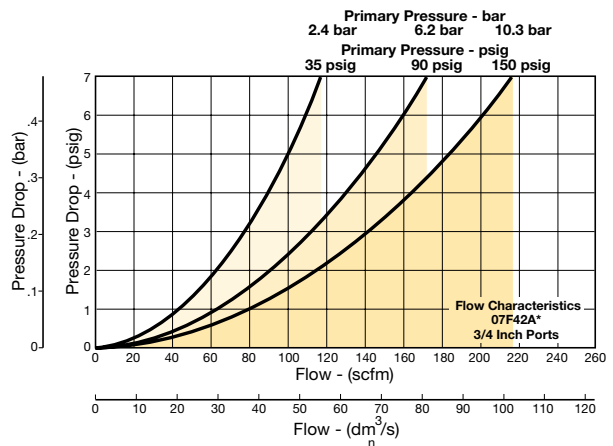
Air Preparation Products Prep-Air® II Series

Flow Charts

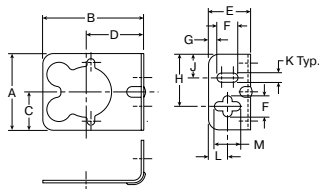
07F 1/2" Particulate Filter



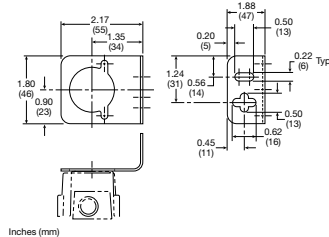
07F 3/4" Particulate Filter



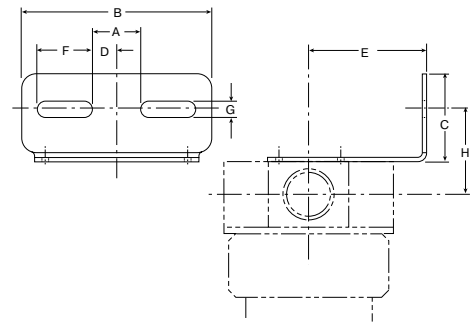
Mounting Bracket Kits



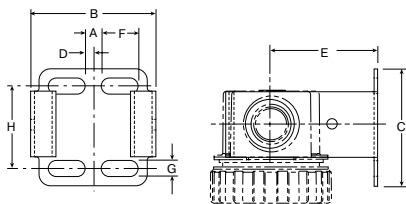
PS417BP
(Includes Panel Mount Nut)



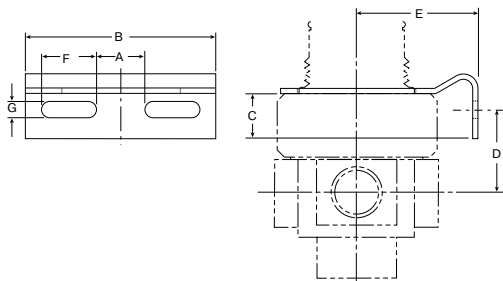
PS419
(Includes Panel Mount Nut)



PS743P, PS843P

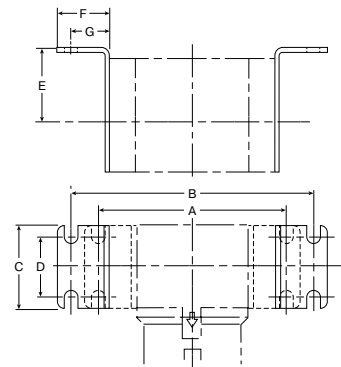


PS943P



PS707P & PS807P
(Includes Panel Mount Nut)

PS963P
(Includes Aluminum Panel Mount Nut)



P3NKA00MW

Dimensions

A	B	C	D	E	F	G	H	J	K	L	M	Kit
1.80 (46)	2.37 (60)	0.90 (23)	1.35 (34)	1.00 (25)	0.50 (13)	0.20 (5)	1.24 (31)	0.56 (14)	0.22 (6)	0.45 (11)	0.62 (16)	PS417BP (10F, 14F, P3A, 14R, 14E)
1.80 (46)	2.17 (55)	0.90 (23)	1.35 (34)	1.00 (25)	0.50 (13)	0.20 (5)	1.24 (31)	0.56 (14)	0.22 (6)	0.45 (11)	0.62 (16)	PS419 (04L)
0.84 (21)	3.25 (83)	1.50 (38)	0.42 (11)	2.00 (51)	0.94 (24)	0.28 (7)	1.44 (37)	—	—	—	—	PS743P (06F, 11F, 06L, 16L)
1.00 (25)	3.94 (100)	1.57 (40)	0.50 (13)	2.19 (56)	1.25 (32)	0.28 (7)	1.68 (43)	—	—	—	—	PS843P (07F, 12F, 07L, 17L)
0.28 (7)	2.12 (54)	2.00 (51)	0.14 (4)	1.85 (47)	0.63 (16)	0.28 (7)	1.41 (36)	—	—	—	—	PS943P (05F, 15F, 15L)
0.84 (21)	2.59 (66)	0.49 (12)	1.02 (26)	1.85 (47)	0.61 (15)	0.28 (7)	—	—	—	—	—	PS963P (05R, 10R, 05E, 27E)
0.84 (21)	3.26 (83)	0.77 (20)	1.46 (37)	2.00 (51)	0.94 (24)	0.28 (7)	—	—	—	—	—	PS707P (06R, 06E, 11R)
1.00 (25)	3.94 (100)	0.65 (17)	1.68 (43)	2.19 (56)	1.25 (32)	0.28 (7)	—	—	—	—	—	PS807P (07R, 07E, 12R)
6.22 (158)	8.19 (208)	2.75 (70)	1.97 (50)	2.36 (60)	1.77 (45)	1.30 (33)	—	—	—	—	—	P3NKA00MW (P3NF, P3NR, P3NE, P3NL)

inches (mm)

