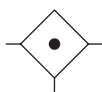


10F Coalescing Filters – Miniature

- Removes liquid aerosols and sub-micron particles.
- Liquids gravitate to the bottom of the element and will not re-enter the airstream.
- Oil free air for critical applications, such as air gauging and pneumatic instrumentation and controls.
- Interchangeable twist and automatic pulse drains.
- Grade 6 element, 99.97% DOP efficiency
- 1/8", 1/4" ports (NPT, BSPP, BSPT)

Note: To optimize the life of coalescing element, it is advisable to install a pre-filter with a 5 micron element upstream of the coalescing filter.

To optimize the life of an adsorber it is advisable to install a coalescing filter upstream of the adsorber. Adsorber element should be replaced approximately every 1000 hours of service.



Port Size	Description ‡	Part Number
1/8"	Poly Bowl, Twist Drain	10F01ED
1/8"	Metal Bowl, Twist Drain	10F03ED
1/8"	Poly Bowl, Auto Pulse Drain	10F05ED
1/8"	Metal Bowl, Auto Pulse Drain	10F07ED
1/4"	Poly Bowl, Twist Drain	10F11ED
1/4"	Metal Bowl, Twist Drain	10F15ED
1/4"	Poly Bowl, Auto Pulse Drain	10F13ED
1/4"	Metal Bowl, Auto Pulse Drain	10F17ED

Standard part numbers shown bold, with Grade 6 Elements (for Grade 10 Elements, replace "E" with "H" in the 6th position). For other models refer to ordering information below.

‡ For polycarbonate bowl, see caution in Engineering Section A.



Operating information

Supply pressure (max):

Plastic bowl	0 to 150 psig (0 to 10.3 bar)
Metal bowl	0 to 250 psig (0 to 17.2 bar)
Auto pulse drain	10 to 250 psig (0.7 to 17.2 bar)

Operating pressure drop:

Normal	2 psig (0.14 bar)
Max recommended (Element should be replaced)	10 psig (0.7 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)
Auto pulse drain	125°F (52°C) or less

Flow capacity†:

Grade 6	1/8"	17 scfm (8 dm³/s, ANR)
	1/4"	20 scfm (9.4 dm³/s, ANR)
Grade 10	1/8"	19 scfm (9 dm³/s, ANR)
	1/4"	24 scfm (11.3 dm³/s, ANR)

Bowl capacity:

1 oz.

Auto pulse drain tube barb

1/8 inch

Weight:

0.41 lb (0.18 kg)

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

Ordering information:

10F	1	1	E	D	
Port Size 1/8 inch 0 1/4 inch 1		Bowl Options Poly Bowl, Twist Drain 1 Poly Bowl, Auto Pulse Drain 5 Metal Bowl, Twist Drain 3 Metal Bowl, Auto Pulse Drain 7		Port Type Blank NPT 1 BSPP 2 BSPT	
		Engineering Level D Current		Element E Grade 6 H Grade 10	

Most popular.



For inventory, lead times, and kit

J12

Parker Hannifin Corporation
Pneumatic Division

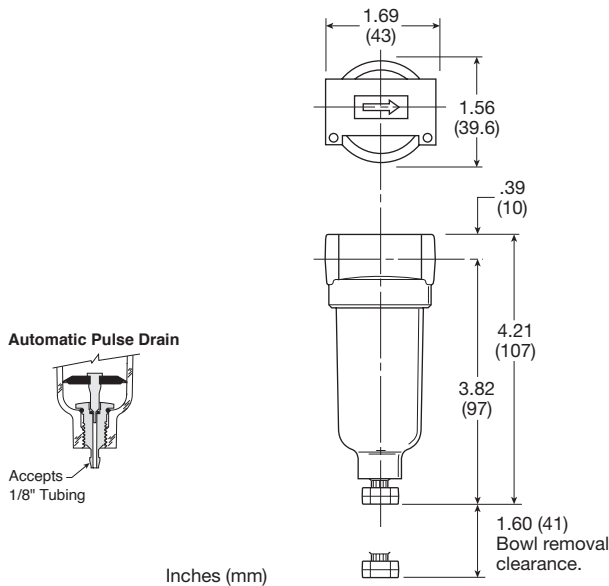
Miniature Coalescing Filters

Material Specifications

Body	Zinc
Transparent bowl	Polycarbonate
Metal bowl without sight gauge	Zinc
Twist drain, body & stem	Plastic
Twist drain, seals	Nitrile
Auto pulse drain, piston & seals	Nitrile
Auto pulse drain, stem, seat, adaptor & washers	Aluminum
Element holder	Plastic
Element	Borosilicate & felt glass fibers
Seals	Nitrile

Repair and Service Kits

Poly bowl / auto pulse drain kit	PS408BP
Poly bowl / twist drain kit	PS404P
Metal bowl / auto pulse drain kit	PS451BP
Metal bowl / twist drain kit	PS447BP
Grade 6 element (standard)	PS446P
Grade 10 element (optional)	PS456P
Mounting bracket kit	PS417BP

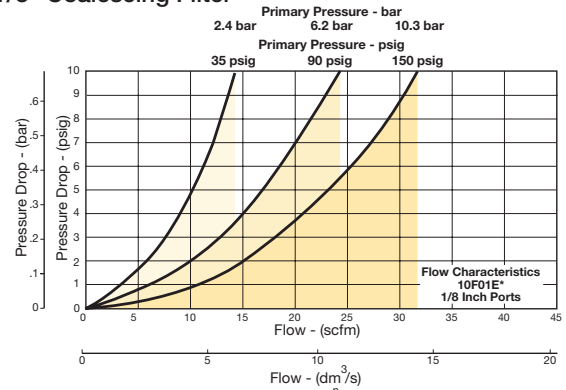


Miniature / Inline

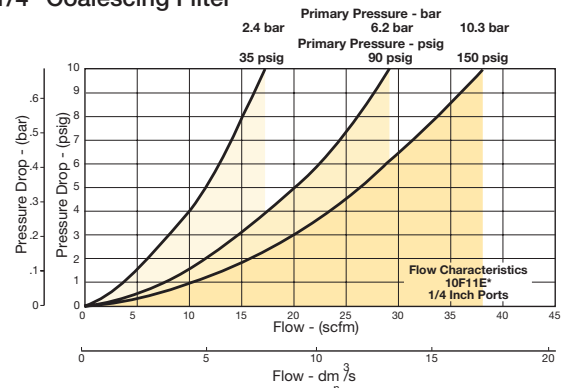
Flow Charts

Grade 6 Element

10F 1/8" Coalescing Filter

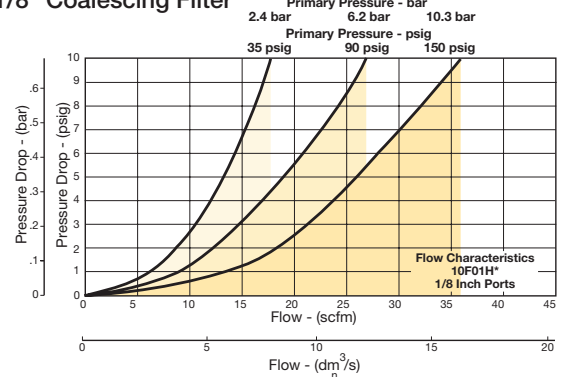


10F 1/4" Coalescing Filter

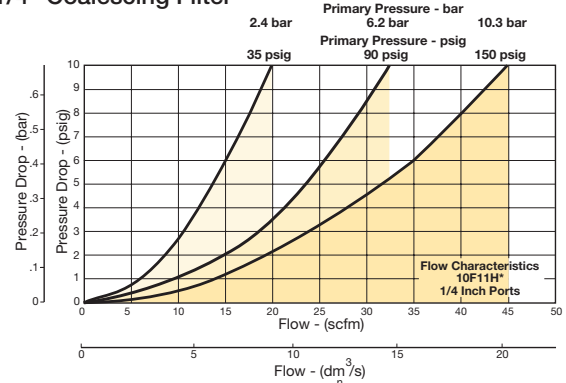


Grade 10 Element

10F 1/8" Coalescing Filter



10F 1/4" Coalescing Filter



Filters

Coalescers

Regulators

Filter /
Regulators

Lubricators

Miniature /Inline
Products



For inventory, lead times, and kit

J13

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