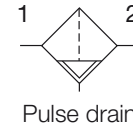
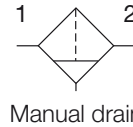


**Mini Particulate Filter - P31**



**Symbols**



- Integral 1/4" ports (NPT, BSPP & BSPT)
- High efficiency 5 micron element as standard
- Excellent water removal efficiency
- Robust but lightweight aluminum construction
- One hand operation for easy element cartridge removal
- Positive bayonet latch to ensure correct & safe fitting

**Options:**

**P31FB 9 2 E G M N**

<b>Basic series</b> Global modular mini particulate filter	<b>P31FB</b>	<b>Thread type</b> BSPP 1 BSPT 2 NPT 9	<b>Port size</b> 1/4 2	<b>Element</b> 5µ Element E	<b>Drain type</b> M Manual drain B Pulse drain	<b>Mounting</b> N No bracket	<b>Bowl type</b> G Poly bowl with bowl guard M Metal bowl without sight gauge
---	--------------	---	---------------------------	--------------------------------	--	---------------------------------	---

**Bold items are most common.**

Port size	Description	Flow <sup>†</sup> dm <sup>3</sup> /s (scfm)	Max. bar (psig)	Height mm (inches)	Width mm (inches)	Depth mm (inches)	Part number <sup>†</sup>
1/4"	Poly bowl - manual drain	12 (25)	10 (150)	124.8 (4.91)	40 (1.58)	40 (1.58)	<b>P31FB92EGMN</b>
1/4"	Poly bowl - pulse drain	12 (25)	10 (150)	119.6 (4.71)	40 (1.58)	40 (1.58)	<b>P31FB92EGBN</b>
1/4"	Metal bowl - manual drain	12 (25)	17 (250)	124.8 (4.91)	40 (1.58)	40 (1.58)	<b>P31FB92EMMN</b>
1/4"	Metal bowl - pulse drain	12 (25)	17 (250)	119.6 (4.71)	40 (1.58)	40 (1.58)	<b>P31FB92EMBN</b>

<sup>†</sup> Standard part numbers shown in bold. For other models refer to Options chart above.  
<sup>‡</sup> Flow with 6.3 bar (91.3 psig) inlet pressure and 0.34 (4.9 psig) pressure drop.

**Specifications**

Flow capacity*	1/4	12 dm <sup>3</sup> /s (25 scfm)
Operating temperature	Plastic bowl	-10°C to 52°C (14°F to 125°F)
	Metal bowl	-10°C to 65.5°C (14°F to 150°F)
Max. supply pressure	Plastic bowl	10 bar (150 psig)
	Metal bowl	17 bar (250 psig)
Standard filtration		5 micron
Useful retention†		12 cm <sup>3</sup> (0.4 US oz.)
Port size	BSPP / BSPT / NPT	1/4
Weight		0.11 kg (0.24 lbs)

\* Inlet pressure 6.3 bar (91.3 psig). Pressure drop 0.34 bar (4.9 psig).  
 † Useful retention refers to volume below the quiet zone baffle.

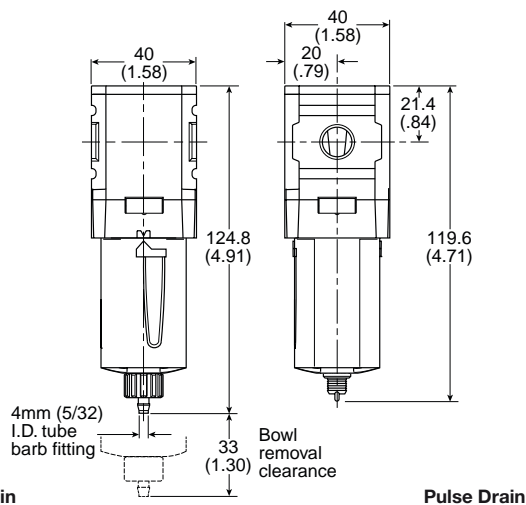
**Air quality:**

Within ISO 8573-1: 1991 Class 3 (Particulates)  
 Within ISO 8573-1: 2001 Class 6 (Particulates)

**Material Specifications**

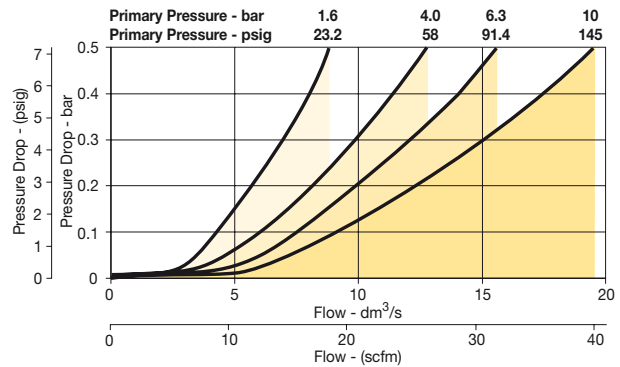
Body	Aluminum
Body cap	ABS
Bowl	Polycarbonate
Bowl guard	Nylon
Element retainer	Acetal
Baffle	Acetal
Filter element	Sintered polyethylene
Seals	Nitrile

**Dimensions mm (inches)**



**Flow Charts**

**1/4 Filter**



**Repair and Service Kits**

Plastic bowl / Bowl guard manual drain	<b>P31KB00BGM</b>
Metal bowl / w/o sight gauge manual drain	<b>P31KB00BMM</b>
Plastic bowl / Bowl guard pulse drain	<b>P31KB00BGB</b>
Metal bowl / w/o sight gauge pulse drain	<b>P31KB00BMB</b>
5µ particle filter element	<b>P31KA00ESE</b>
C-bracket (fits to body)	<b>P31KA00MW</b>
T-bracket with body connector	<b>P31KA00MT</b>
Body connector	<b>P31KA00CB</b>