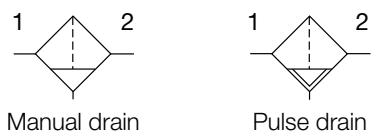


Mini Particulate Filter - P31

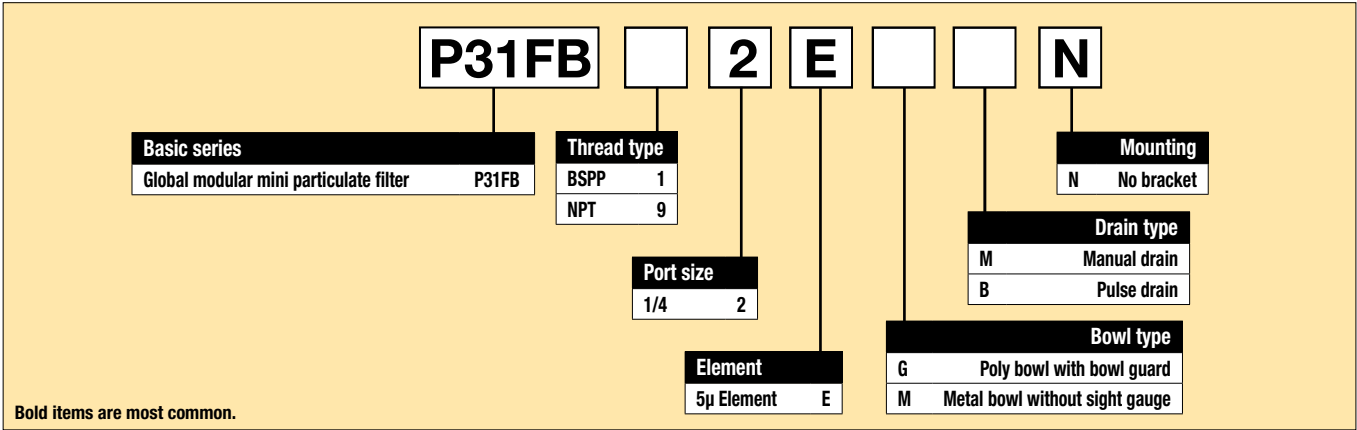


Symbols



- Integral 1/4" ports (NPT & BSPP)
- 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:



Port size	Description	Flow† dm³/s (scfm)	Max. bar (psig)	Height mm (inches)	Width mm (inches)	Depth mm (inches)	Part number†
1/4"	Poly bowl - manual drain	12 (25)	10 (150)	124.8 (4.91)	40 (1.58)	40 (1.58)	P31FB12EGMN
1/4"	Poly bowl - pulse drain	12 (25)	10 (150)	119.6 (4.71)	40 (1.58)	40 (1.58)	P31FB12EGBN
1/4"	Metal bowl - manual drain	12 (25)	17 (250)	124.8 (4.91)	40 (1.58)	40 (1.58)	P31FB12EMMN
1/4"	Metal bowl - pulse drain	12 (25)	17 (250)	119.6 (4.71)	40 (1.58)	40 (1.58)	P31FB12EMBN

† Standard part numbers shown in bold. For other models refer to Options chart above.
‡ 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 ³ /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 ³ (0.4 US oz.)
Port size	BSPP / 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)

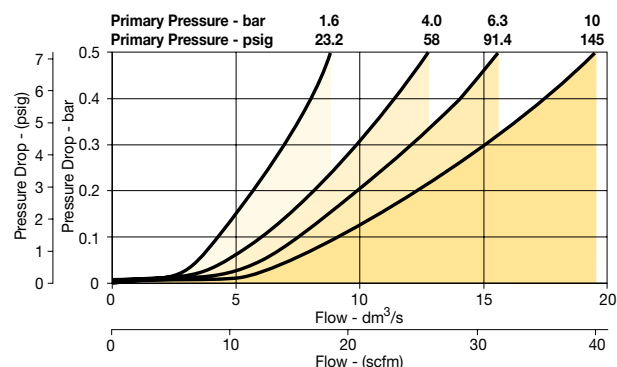
Within ISO 8573-1: 2001 Class 6 (Particulates)

Material Specifications

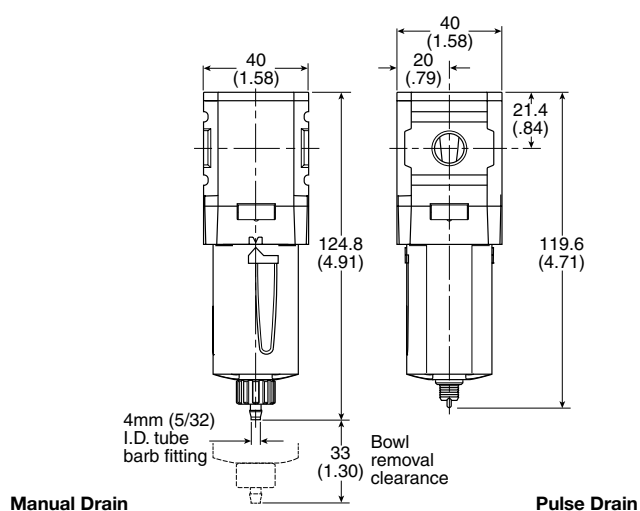
Body	Aluminum
Body cap	ABS
Bowl	Polycarbonate
Bowl guard	Nylon
Element retainer	Acetal
Baffle	Acetal
Filter element	Sintered polyethylene
Seals	Nitrile

Flow Charts

1/4 Filter



Dimensions mm (inches)



Repair and Service Kits

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