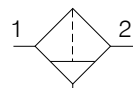


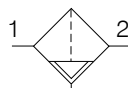
Mini Particulate Filter P31



Symbols



Manual drain



Pulse drain

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

Options:

P 3 1	F A			E			N
Thread type		Port size		Bowl type		Mounting	
BSPP	1	1/4	2	Poly bowl with bowl guard	G	No bracket	N
NPT	9			Metal bowl without sight glass	M		
		Element		Drain type			
		5µ Element	E	Pulse drain	B		
				Manual drain	M		

Port size	Description	Order Code	Flow dm ³ /s (scfm) *	Max bar (psi)	Height mm (Inches)	Width mm (Inches)	Depth mm (Inches)
1/4"	Poly bowl - Manual drain	P31FA12EGMN	12 (25)	10 (150)	116.3 (4.58)	40 (1.58)	42.7 (1.68)
1/4"	Poly bowl - Pulse drain	P31FA12EGBN	12 (25)	10 (150)	116.3 (4.58)	40 (1.58)	42.7 (1.68)
1/4"	Metal bowl - Manual drain	P31FA12EMMN	12 (25)	17 (250)	116.3 (4.58)	40 (1.58)	42.7 (1.68)
1/4"	Metal bowl - Pulse drain	P31FA12EMBN	12 (25)	17 (250)	116.3 (4.58)	40 (1.58)	42.7 (1.68)

* flow with 6.3 bar (91.3 psig) inlet pressure and 0.5 (7.2 psig) pressure drop.

Specifications

Flow Capacity	1/4	12 dm ³ /s (25 scfm)
Operating Temperature	Plastic Bowl	-10°C (14°F) to 52°C (125°F)
	Metal Bowl	-10°C (14°F) to 65.5°C (150°F)
Max Supply Pressure	Plastic Bowl	10 bar (150 psi)
	Metal Bowl	17 bar (250 psi)
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 0.5 bar (7.2 psig).

Air quality:

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

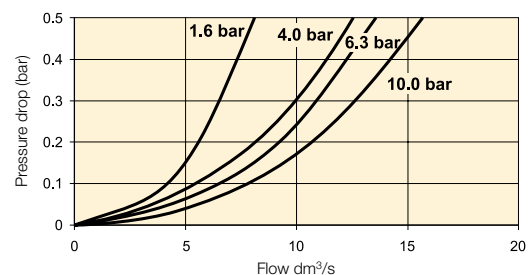
Within ISO 8573-1: 2001 Class 6 (Particulates)

Materials of Construction

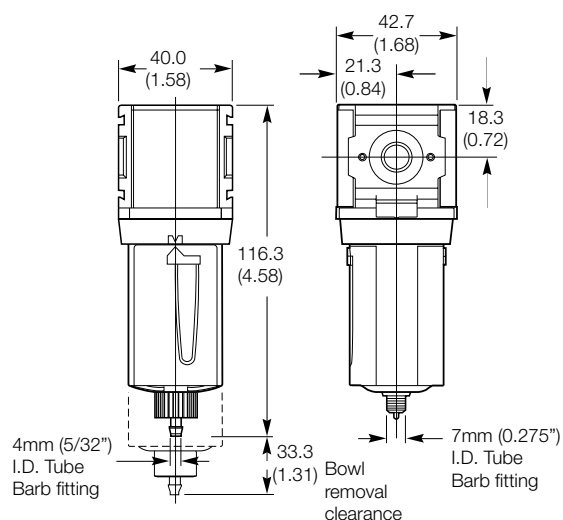
Body	Aluminium
Body Cap	ABS
Bowl	Polycarbonate
Bowl Guard	Nylon
Element Retainer	Acetal
Baffle	Acetal
Filter Element	Sintered Polyethylene
Seals	Nitrile

Flow Charts

1/4 Filter



Dimensions



Repair and Service Kits

Plastic bowl / Bowl guard manual drain	P31KA00BGM
Metal bowl / w/o sight gauge manual drain	P31KA00BMM
Plastic bowl / Bowl guard pulse drain	P31KA00BGB
Metal bowl / w/o sight gauge pulse drain	P31KA00BMB
5μ particle filter element	P31KA00ESE
C-Bracket (fits to body)	P31KA00MW
T-Bracket with body connector	P31KA00MT
Body connector	P31KA00CB