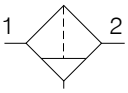
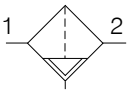
Mini Particulate Filter P31



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	
BSPP	1
NPT	9

Port size	
1/4	2

Element	
5µ Element	E

Bowl type	
Poly bowl with bowl guard	G
Metal bowl without sight glass	M

Drain type	
Pulse drain	B
Manual drain	M

Mounting	
No bracket	N

Port size	Description	Order Code	Flow dm^3/s *	Flow (scfm) *	Max bar	Max (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 0.34 (4.9 psig) pressure drop.

Specifications

Flow Capacity	1/4	12 dm³/s (25 scfm)
Max Operating Temperature	Plastic Bowl Metal Bowl	52°C (125°F) 65.5°C (150°F)
Max Supply Pressure	Plastic Bowl Metal Bowl	10 bar (150 psi) 17 bar (250 psi)
Standard Filtration		5 Micron
Useful Retention		12 cm³ (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).

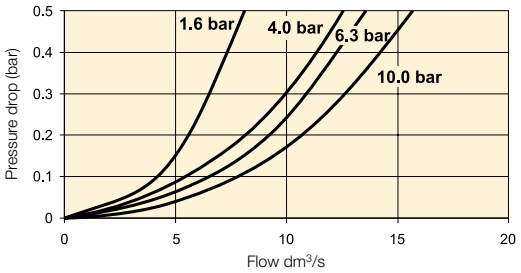
Air quality:
Within ISO 8573-1: 1991 Class 3 (Particulates)
Within ISO 8573-1: 2001 Class 6 (Particulates)

Materials of Construction

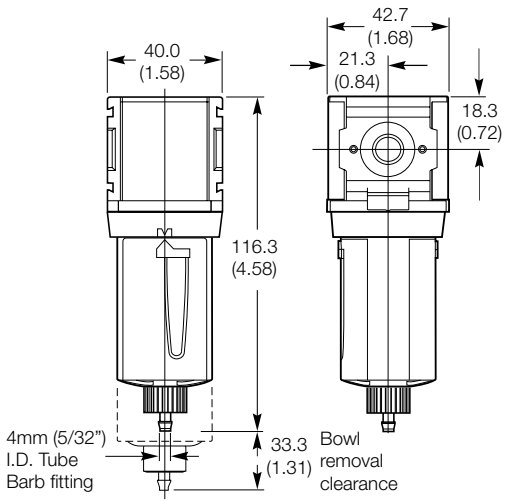
Body	Aluminium
Body Cap	ABS
Bowl	Polycarbonate
Bowl Guard	Nylon
Element Retainer	Acetal
Baffle	Acetal
Filter Element	Sintered Polyethylene
Seals	Nitrile

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**