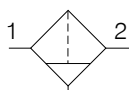


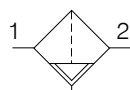
Mini Particulate Filter P31



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				Pulse drain			
				Manual drain			
				B			
				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 0.34 (4.9 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	BSP / 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:

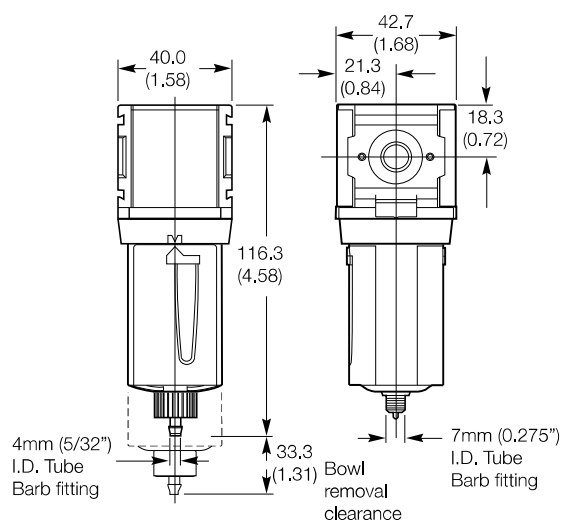
Within ISO 8573-1: 1991 Class 3 (Particulates)

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

Materials of Construction

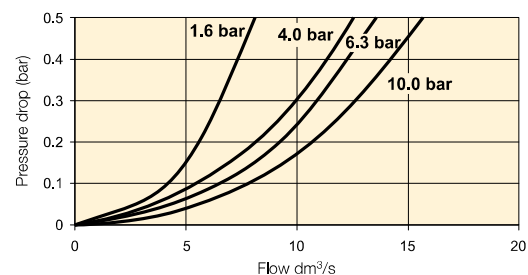
Body	Aluminium
Body Cap	ABS
Bowl	Polycarbonate
Bowl Guard	Nylon
Element Retainer	Acetal
Baffle	Acetal
Filter Element	Sintered Polyethylene
Seals	Nitrile

Dimensions



Flow Charts

1/4 Filter



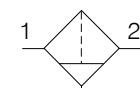
Repair and Service Kits

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

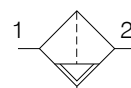
Compact Particulate Filter P32



Symbols



Manual drain



Auto drain

- Integral 1/4, 3/8 or 1/2 ports (BSPP & NPT)
- High efficiency 5 micron element as standard
- Excellent water removal efficiency
- Robust but lightweight aluminium construction
- Positive bayonet latch to ensure correct & safe fitting

Options:

P 32	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	3/8	3	Metal bowl with sight glass	S		
		1/2	4				
		Element		Drain type			
		5µ Element	E	Manual drain	M		
				Auto drain	A		

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	P32FA12EGMN	18	(38)	10 (150)	188 (7.4)	60 (2.36)	60 (2.36)
1/4	Poly bowl - Auto drain	P32FA12EGAN	18	(38)	10 (150)	182 (7.2)	60 (2.36)	60 (2.36)
1/4	Metal bowl sight glass - Manual drain	P32FA12ESMN	18	(38)	17 (250)	188 (7.4)	60 (2.36)	60 (2.36)
1/4	Metal bowl sight glass - Auto drain	P32FA12ESAN	18	(38)	17 (250)	182 (7.2)	60 (2.36)	60 (2.36)
3/8	Poly bowl - Manual drain	P32FA13EGMN	30	(64)	10 (150)	188 (7.4)	60 (2.36)	60 (2.36)
3/8	Poly bowl - Auto drain	P32FA13EGAN	30	(64)	10 (150)	182 (7.2)	60 (2.36)	60 (2.36)
3/8	Metal bowl sight glass - Manual drain	P32FA13ESMN	30	(64)	17 (250)	188 (7.4)	60 (2.36)	60 (2.36)
3/8	Metal bowl sight glass - Auto drain	P32FA13ESAN	30	(64)	17 (250)	182 (7.2)	60 (2.36)	60 (2.36)
1/2	Poly bowl - Manual drain	P32FA14EGMN	38	(80)	10 (150)	188 (7.4)	60 (2.36)	60 (2.36)
1/2	Poly bowl - Auto drain	P32FA14EGAN	38	(80)	10 (150)	182 (7.2)	60 (2.36)	60 (2.36)
1/2	Metal bowl sight glass - Manual drain	P32FA14ESMN	38	(80)	17 (250)	188 (7.4)	60 (2.36)	60 (2.36)
1/2	Metal bowl sight glass - Auto drain	P32FA14ESAN	38	(80)	17 (250)	182 (7.2)	60 (2.36)	60 (2.36)

* flow with 6.3 bar (91.3 psig) inlet pressure and 0.34 (4.9 psig) pressure drop.

Specifications

Flow Capacity*	1/4	18 dm ³ /s (38 scfm)
	3/8	30 dm ³ /s (64 scfm)
	1/2	38 dm ³ /s (80 scfm)
Operating Temperature	Plastic Bowl	-25°C (-13°F) to 52°C (125°F)
	Metal Bowl	-25°C (-13°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**	51 cm ³ (1.7 US oz.)	
Port Size	BSPP / NPT	1/4, 3/8, 1/2
Weight	0.28 kg (0.62 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:

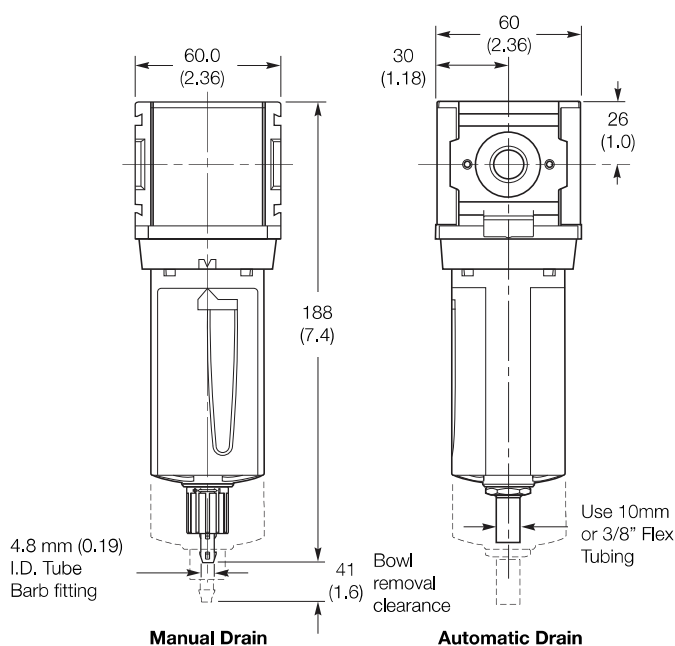
Within ISO 8573-1: 1991 Class 3 (Particulates)

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

Materials of Construction

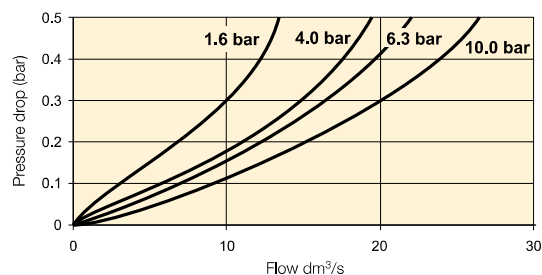
Body	Aluminium	
Body Cap	ABS	
Bowls	Plastic Bowl	Polycarbonate
	Metal Bowl	Aluminium
Bowl Guard	Nylon	
Deflector	Polypropylene	
Element Retainer / Baffle	Acetal	
Filter Element	Sintered Polyethylene	
Seals	Plastic Bowl	Nitrile
	Metal Bowl	Nitrile
Sight Gauge	Metal Bowl	Polycarbonate

Dimensions

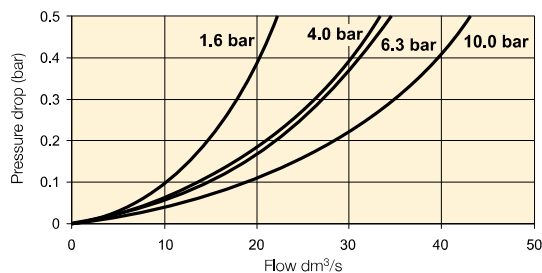


Flow Charts

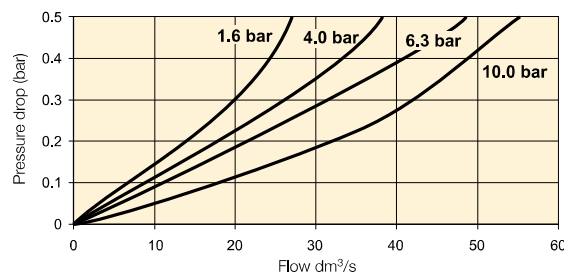
1/4 Filter



3/8 Filter



1/2 Filter



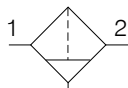
Repair and Service Kits

Plastic bowl / Bowl guard manual drain	P32KA00BGM
Metal bowl / Sight gauge manual drain	P32KA00BSM
Auto drain	P32KA00DA
5μ particle filter element	P32KA00ESE
L-Bracket (fits to body)	P32KA00ML
T-Bracket (fits to body connector)	P32KA00MB
T-Bracket with body connector	P32KA00MT
Body connector	P32KA00CB

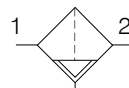
Standard Particulate Filter P33



Symbols



Manual drain



Auto drain

- Integral 1/2 or 3/4 ports (BSPP & NPT)
- High efficiency 5 micron element as standard
- Excellent water removal efficiency
- Robust but lightweight aluminium construction
- Positive bayonet latch to ensure correct & safe fitting

Options:

P 33	F A			E			N
Thread type		Port size		Bowl type		Mounting	
BSPP	1	1/2	4	Poly bowl with bowl guard	G	No bracket	N
NPT	9	3/4	6	Metal bowl with sight glass	S		
Element				Drain type			
5μ Element				Manual drain			
				Auto drain			

Port size	Description	Order Code	Flow dm ³ /s *	(scfm) *	Max bar (psi)	Height mm (Inches)	Width mm (Inches)	Depth mm (Inches)
1/2"	Poly bowl - Manual drain	P33FA14EGMN	40	(85)	10 (150)	213 (8.4)	73 (2.9)	73 (2.9)
1/2"	Poly bowl - Auto drain	P33FA14EGAN	40	(85)	10 (150)	207 (8.2)	73 (2.9)	73 (2.9)
1/2"	Metal bowl sight glass - Manual drain	P33FA14ESMN	40	(85)	17 (250)	213 (8.4)	73 (2.9)	73 (2.9)
1/2"	Metal bowl sight glass - Auto drain	P33FA14ESAN	40	(85)	17 (250)	207 (8.2)	73 (2.9)	73 (2.9)
3/4"	Poly bowl - Manual drain	P33FA16EGMN	48	(102)	10 (150)	213 (8.4)	73 (2.9)	73 (2.9)
3/4"	Poly bowl - Auto drain	P33FA16EGAN	48	(102)	10 (150)	207 (8.2)	73 (2.9)	73 (2.9)
3/4"	Metal bowl sight glass - Manual drain	P33FA16ESMN	48	(102)	17 (250)	213 (8.4)	73 (2.9)	73 (2.9)
3/4"	Metal bowl sight glass - Auto drain	P33FA16ESAN	48	(102)	17 (250)	207 (8.2)	73 (2.9)	73 (2.9)

* flow with 6.3 bar (91.3 psig) inlet pressure and 0.34 (4.9 psig) pressure drop.

Specifications

Flow Capacity*	1/2	40 dm ³ /s (85 scfm)
	3/4	48 dm ³ /s (102 scfm)
Operating Temperature	Plastic Bowl	-25°C (-13°F) to 52°C (125°F)
	Metal Bowl	-25°C (-13°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**	85 cm ³ (2.8 US oz.)	
Port Size	BSPP / NPT	1/2, 3/4
Weight	0.46 kg (1.01 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:

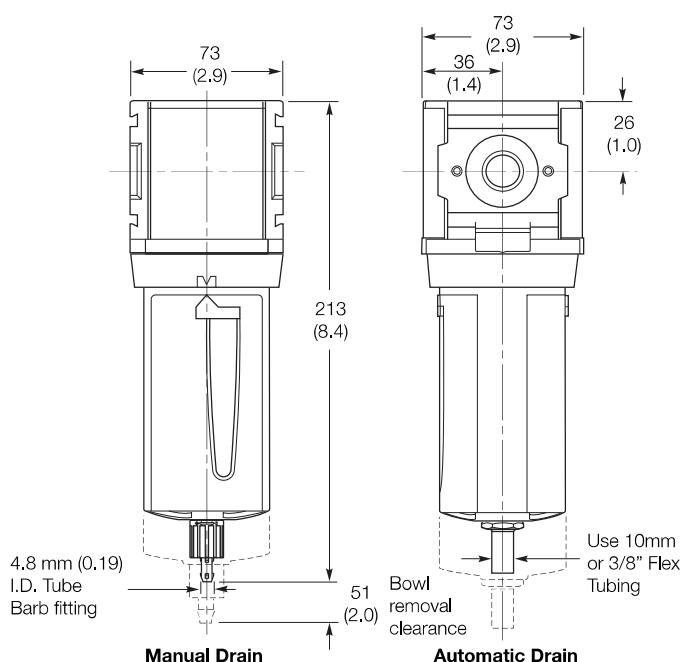
Within ISO 8573-1: 1991 Class 3 (Particulates)

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

Materials of Construction

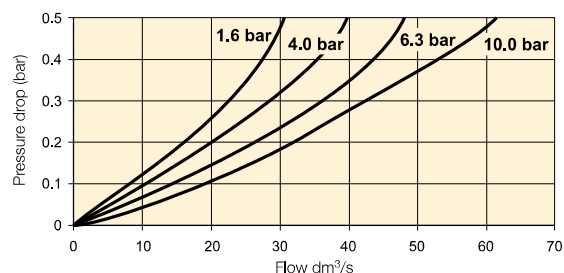
Body	Aluminium	
Body Cap	ABS	
Bowls	Plastic Bowl	Polycarbonate
	Metal Bowl	Aluminium
Bowl Guard	Nylon	
Deflector	Polypropylene	
Element Retainer / Baffle	Acetal	
Filter Element	Sintered Polyethylene	
Seals	Plastic Bowl	Nitrile
	Metal Bowl	Nitrile
Sight Gauge	Metal Bowl	Polycarbonate

Dimensions

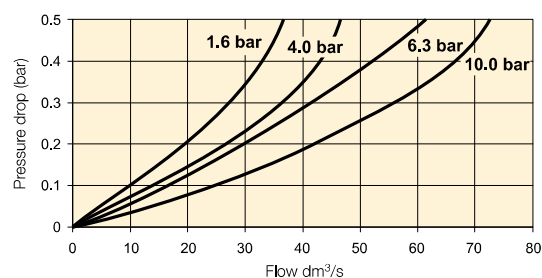


Flow Charts

1/2 Filter



3/4 Filter



Repair and Service Kits

Plastic bowl / Bowl guard manual drain	P33KA00BGM
Metal bowl / Sight gauge manual drain	P33KA00BSM
Auto drain	P32KA00DA
5μ particle filter element	P33KA00ESE
L-Bracket (fits to body)	P33KA00ML
T-Bracket (fits to body connector)	P32KA00MB
T-Bracket with body connector	P32KA00MT
Body connector	P32KA00CB

Mini Coalescing and Adsorber Filters P31



- Integral 1/4 ports (BSPP & NPT)
- Removes liquid aerosols and sub micron particles
- Oil free air for critical applications, such as air gauging, pneumatic instrumentation and control
- Positive bayonet latch to ensure correct & safe fitting
- Adsorbing activated carbon element removes oil vapours and most hydrocarbons

Note: To optimise the life of coalescing element, it is advisable to install a P31F pre-filter with a 5 micron element upstream of the coalescing filter.

To optimise the life of an Adsorber it is advisable to install a P31 Coalescing Filter upstream of the Adsorber. Adsorber element should be replaced approx. every 1000 hours of service

Options:

P 3 1	F A						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			
0.01µ Element		C		Pulse drain		B	
1µ Element		9		Manual drain		M	
Adsorber		A					

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 - 0.01 micron - Manual drain	P31FA12CGMN	2	(4.2)	10 (150)	116.3 (4.58)	40 (1.58)	42.7 (1.68)
1/4"	Poly bowl - 0.01 micron - Pulse drain	P31FA12CGBN	2	(4.2)	10 (150)	116.3 (4.58)	40 (1.58)	42.7 (1.68)
1/4"	Metal bowl - 0.01 micron - Manual drain	P31FA12CMMN	2	(4.2)	17 (250)	116.3 (4.58)	40 (1.58)	42.7 (1.68)
1/4"	Metal bowl - 0.01 micron - Pulse drain	P31FA12CMBN	2	(4.2)	17 (250)	116.3 (4.58)	40 (1.58)	42.7 (1.68)
1/4"	Poly bowl - Adsorber	P31FA12AGMN	6	(13)	10 (150)	116.3 (4.58)	40 (1.58)	42.7 (1.68)
1/4"	Metal bowl - Adsorber	P31FA12AMMN	6	(13)	17 (250)	116.3 (4.58)	40 (1.58)	42.7 (1.68)

* flow with 6.3 bar (91.3 psig) inlet pressure and 0.2 bar (3 psig) pressure drop.

Specifications

Flow Capacity		dm ³ /s SCFM
1.0 Micron Coalescing	Energy Efficient Flow*	3.8 (8)
	Maximum Flow**	6 (13)
0.01 Micron Coalescing	Energy Efficient Flow*	2 (4.2)
	Maximum Flow**	3.8 (8)
Activated Carbon Adsorber	Rated Flow*	6 (13)
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**		1.0 and 0.01 Micron ppm wt
Adsorber	Max oil carryover (ppm w/w) 0.003 @ 21°C (70°F)	
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 (90 psi), Pressure drop 0.2 bar (3 psig), Saturated Element.

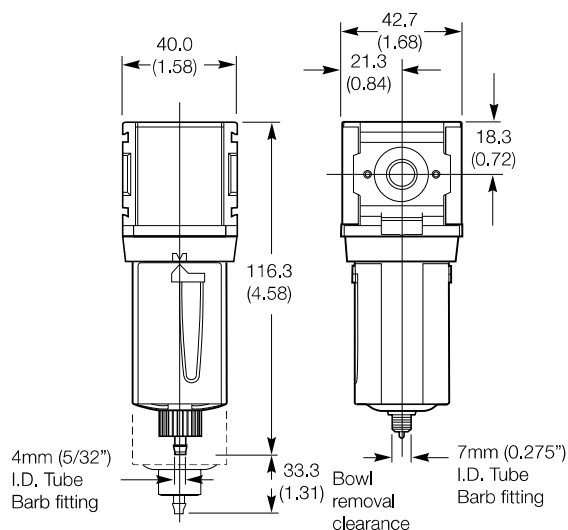
** Inlet pressure 6.3 bar (90 psi), Pressure drop 0.4 bar (6 psig), Saturated Element.

† Useful retention refers to volume below the quiet zone baffle.

Materials of Construction

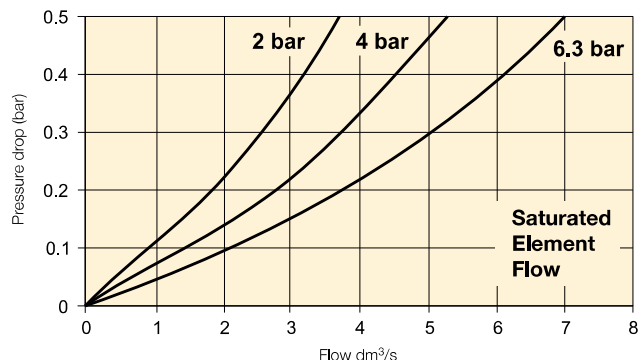
Body	Aluminium	
Body Cap	ABS	
Bowl	Plastic Bowl	Polycarbonate
	Metal Bowl	Aluminium
Filter Element	1.0 and .01 Micron	Borosilicate Cloth
Adsorber	Activated Carbon	
Seals	Nitrile	

Dimensions

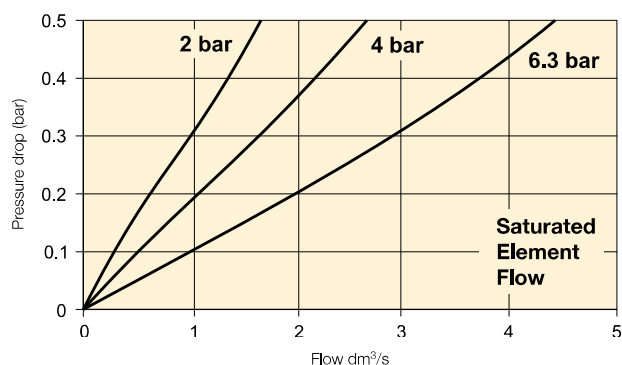


Flow Charts

P31 - 1.0 micron flow



P31 - 0.01 micron flow



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
1μ coalescing filter element	P31KA00ES9
0.01μ coalescing filter element	P31KA00ESC
Activated carbon adsorber filter element	P31KA00ESA
C-Bracket (fits to body)	P31KA00MW
T-Bracket with body connector	P31KA00MT
Body connector	P31KA00CB

Compact Coalescing and Adsorber Filter P32



- Integral 1/4, 3/8 or 1/2 ports (BSPP & NPT)
- Removes liquid aerosols and sub micron particles
- Oil free air for critical applications, such as air gauging, pneumatic instrumentation and control
- Differential Pressure Indicator (DPI) standard on Coalescing Filters
- Positive bayonet latch to ensure correct & safe fitting
- Adsorbing activated carbon element removes oil vapours and most hydrocarbons

Note: To optimise the life of coalescing element, it is advisable to install a P32F pre-filter with a 5 micron element upstream of the coalescing filter.

To optimise the life of an Adsorber it is advisable to install a P32 Coalescing Filter upstream of the Adsorber. Adsorber element should be replaced approx. every 1000 hours of service

Options:

P 3 2	F A						N
Thread type		Port size		Bowl type		Mounting	
BSPP	1	1/4	2	Poly bowl with bowl guard	G	No bracket	N
NPT	9	3/8	3	Metal bowl with sight glass	S		
		1/2	4				
Element				Drain type			
0.01µ Element with dpi				Manual drain			
				Auto drain			
1µ Element with dpi							
Adsorber							

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 - 0.01 Micron, Manual drain	P32FA12DGMN	11	(23)	10 (150)	209 (8.2)	60 (2.36)	60 (2.36)
1/4"	Poly bowl - 0.01 Micron, Auto drain	P32FA12DGAN	11	(23)	10 (150)	203 (8.0)	60 (2.36)	60 (2.36)
1/4"	Metal bowl sight glass - 0.01 Micron, Manual drain	P32FA12DSMN	11	(23)	17 (250)	209 (8.2)	60 (2.36)	60 (2.36)
1/4"	Metal bowl sight glass - 0.01 Micron, Auto drain	P32FA12DSAN	11	(23)	17 (250)	203 (8.0)	60 (2.36)	60 (2.36)
3/8"	Poly bowl - 0.01 Micron, Manual drain	P32FA13DGMN	11	(23)	10 (150)	209 (8.2)	60 (2.36)	60 (2.36)
3/8"	Poly bowl - 0.01 Micron, Auto drain	P32FA13DGAN	11	(23)	10 (150)	203 (8.0)	60 (2.36)	60 (2.36)
3/8"	Metal bowl sight glass - 0.01 Micron, Manual drain	P32FA13DSMN	11	(23)	17 (250)	209 (8.2)	60 (2.36)	60 (2.36)
3/8"	Metal bowl sight glass - 0.01 Micron, Auto drain	P32FA13DSAN	11	(23)	17 (250)	203 (8.0)	60 (2.36)	60 (2.36)
1/2"	Poly bowl - 0.01 Micron, Manual drain	P32FA14DGMN	11	(23)	10 (150)	209 (8.2)	60 (2.36)	60 (2.36)
1/2"	Poly bowl - 0.01 Micron, Auto drain	P32FA14DGAN	11	(23)	10 (150)	203 (8.0)	60 (2.36)	60 (2.36)
1/2"	Metal bowl sight glass - 0.01 Micron, Manual drain	P32FA14DSMN	11	(23)	17 (250)	209 (8.2)	60 (2.36)	60 (2.36)
1/2"	Metal bowl sight glass - 0.01 Micron, Auto drain	P32FA14DSAN	11	(23)	17 (250)	203 (8.0)	60 (2.36)	60 (2.36)
1/4"	Poly bowl - Adsorber	P32FA12AGMN	27	(57)	10 (150)	209 (8.2)	60 (2.36)	60 (2.36)
1/4"	Metal bowl sight glass - Adsorber	P32FA12ASMN	27	(57)	17 (250)	209 (8.2)	60 (2.36)	60 (2.36)
3/8"	Poly bowl - Adsorber	P32FA13AGMN	27	(57)	10 (150)	209 (8.2)	60 (2.36)	60 (2.36)
3/8"	Metal bowl sight glass - Adsorber	P32FA13ASMN	27	(57)	17 (250)	209 (8.2)	60 (2.36)	60 (2.36)
1/2"	Poly bowl - Adsorber	P32FA14AGMN	27	(57)	10 (150)	209 (8.2)	60 (2.36)	60 (2.36)
1/2"	Metal bowl sight glass - Adsorber	P32FA14ASMN	27	(57)	17 (250)	209 (8.2)	60 (2.36)	60 (2.36)

* flow with 6.3 bar (91.3 psig) inlet pressure and 0.2 bar (3 psig) pressure drop.

Specifications

Flow Capacity		dm³/s	SCFM
1.0 Micron Coalescing	Energy Efficient Flow*	17	(36)
	Maximum Flow**	27	(57)
0.01 Micron Coalescing	Energy Efficient Flow*	11	(23)
	Maximum Flow**	18	(38)
Activated Carbon Adsorber	Rated Flow*	27	(57)
Operating Temperature	Plastic Bowl	-25°C (-13°F) to 52°C (125°F)	
	Metal Bowl	-25°C (-13°F) to 65.5°C (150°F)	
Max Supply Pressure**	Plastic Bowl	10 bar (150 psi)	
	Metal Bowl	17 bar (250 psi)	
Standard Filtration†		1.0 and 0.01 Micron ppm wt	
Adsorber	Max oil carryover (ppm w/w) 0.003 @ 21°C (70°F)		
Useful Retention‡		51 cm³ (1.7 US oz.)	
Port Size	BSPP / NPT		1/4, 3/8, 1/2
Weight		0.32 kg (0.71 lbs)	

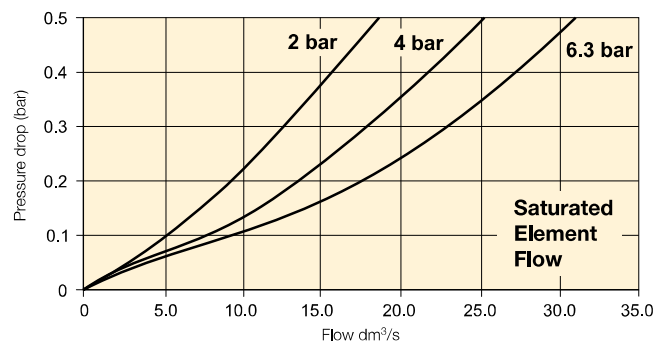
* Inlet pressure 6.3 bar (90 psi), Pressure drop 0.2 bar (3 psig), Saturated Element.

** Inlet pressure 6.3 bar (90 psi), Pressure drop 0.4 bar (6 psig), Saturated Element.

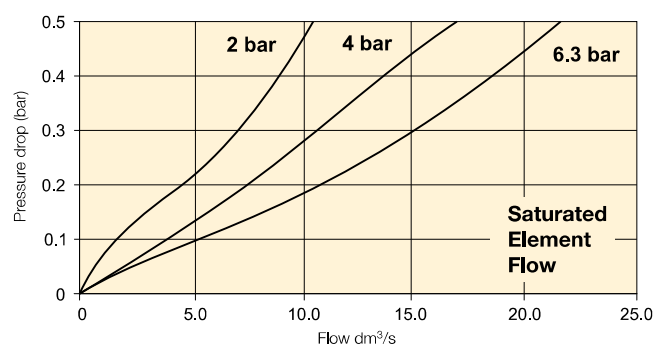
† Useful retention refers to volume below the quiet zone baffle.

Flow Charts

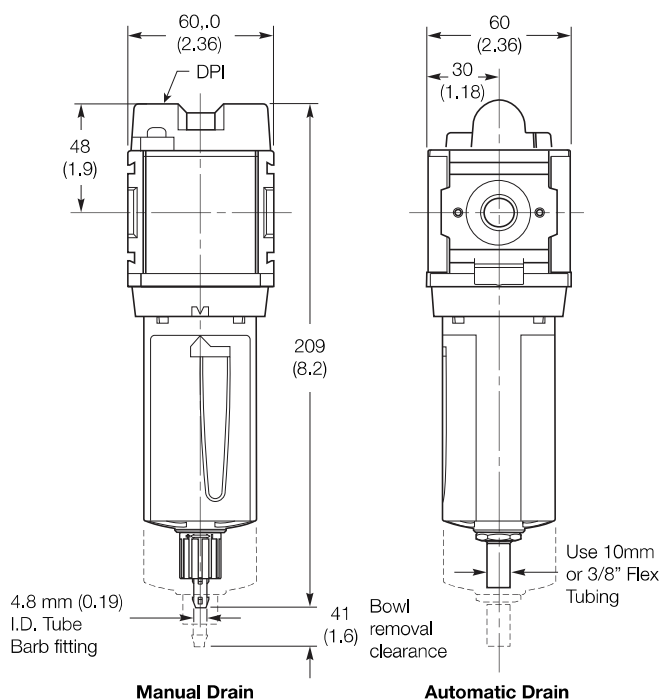
P32 - 1.0 micron flow



P32 - 0.01 micron flow



Dimensions



Materials of Construction

Body	Aluminium	
Body Cap	ABS	
Bowls	Plastic Bowl	Polycarbonate
	Metal Bowl	Aluminium
Filter Element	1.0 and .01 Micron	Borosilicate Cloth
Adsorber	Activated Carbon	
Seals	Nitrile	
Sight Gauge	Metal Bowl	Polycarbonate

Repair and Service Kits

Plastic bowl / Bowl guard manual drain	P32KA00BGM
Metal bowl / Sight gauge manual drain	P32KA00BSM
Auto drain	P32KA00DA
1μ coalescing filter element	P32KA00ES9
0.01μ coalescing filter element	P32KA00ESC
Activated carbon adsorber filter element	P32KA00ESA
L-Bracket (fits to body)	P32KA00ML
T-Bracket (fits to body connector)	P32KA00MB
T-Bracket with body connector	P32KA00MT
Body connector	P32KA00CB
Differential pressure indicator (replacement)	P32KA00RQ

Standard Coalescing and Adsorber Filter P33



- Integral 1/2 or 3/4 ports (BSPP & NPT)
- Removes liquid aerosols and sub micron particles
- Oil free air for critical applications, such as air gauging, pneumatic instrumentation and control
- Differential Pressure Indicator (DPI) standard on Coalescing Filters
- Positive bayonet latch to ensure correct & safe fitting
- Adsorbing activated carbon element removes oil vapours and most hydrocarbons

Note: To optimise the life of coalescing element, it is advisable to install a P33F pre-filter with a 5 micron element upstream of the coalescing filter.

To optimise the life of an Adsorber it is advisable to install a P33 Coalescing Filter upstream of the Adsorber. Adsorber element should be replaced approx. every 1000 hours of service

Options:

P 3 3	F A						N
Thread type		Port size		Bowl type		Mounting	
BSPP	1	1/2	4	Poly bowl with bowl guard	G	No bracket	N
NPT	9	3/4	6	Metal bowl with sight glass	S		
Element				Drain type			
0.01µ Element with dpi				D			
1µ Element with dpi				Q			
Adsorber				A			
				M			
				A			

Port size	Description	Order Code	Flow dm ³ /s *	(scfm) *	Max bar (psi)	Height mm (Inches)	Width mm (Inches)	Depth mm (Inches)
1/2"	Poly bowl - 0.01 Micron, Manual drain	P33FA14DGMN	20	(42)	10 (150)	235 (9.3)	73 (2.9)	73 (2.9)
1/2"	Poly bowl - 0.01 Micron, Auto drain	P33FA14DGAN	20	(42)	10 (150)	229 (9.0)	73 (2.9)	73 (2.9)
1/2"	Metal bowl sight glass - 0.01 Micron, Manual drain	P33FA14DSMN	20	(42)	17 (250)	235 (9.3)	73 (2.9)	73 (2.9)
1/2"	Metal bowl sight glass - 0.01 Micron, Auto drain	P33FA14DSAN	20	(42)	17 (250)	229 (9.0)	73 (2.9)	73 (2.9)
3/4"	Poly bowl - 0.01 Micron, Manual drain	P33FA16DGMN	20	(42)	10 (150)	235 (9.3)	73 (2.9)	73 (2.9)
3/4"	Poly bowl - 0.01 Micron, Auto drain	P33FA16DGAN	20	(42)	10 (150)	229 (9.0)	73 (2.9)	73 (2.9)
3/4"	Metal bowl sight glass - 0.01 Micron, Manual drain	P33FA16DSMN	20	(42)	17 (250)	235 (9.3)	73 (2.9)	73 (2.9)
3/4"	Metal bowl sight glass - 0.01 Micron, Auto drain	P33FA16DSAN	20	(42)	17 (250)	229 (9.0)	73 (2.9)	73 (2.9)
1/2"	Poly bowl - Adsorber	P33FA14AGMN	44	(93)	10 (150)	253 (9.3)	73 (2.9)	73 (2.9)
1/2"	Metal bowl sight glass - Adsorber	P33FA14ASMN	44	(93)	17 (250)	253 (9.3)	73 (2.9)	73 (2.9)
3/4"	Poly bowl - Adsorber	P33FA16AGMN	44	(93)	10 (150)	253 (9.3)	73 (2.9)	73 (2.9)
3/4"	Metal bowl sight glass - Adsorber	P33FA16ASMN	44	(93)	17 (250)	253 (9.3)	73 (2.9)	73 (2.9)

* flow with 6.3 bar (91.3 psig) inlet pressure and 0.2 bar (3 psig) pressure drop.

Specifications

Flow Capacity		dm³/s	SCFM
1.0 Micron Coalescing	Energy Efficient Flow*	32	(68)
	Maximum Flow**	44	(93)
0.01 Micron Coalescing	Energy Efficient Flow*	20	(42)
	Maximum Flow**	34	(72)
Activated Carbon Adsorber	Rated Flow*	44	(93)
Operating Temperature	Plastic Bowl	-25°C (-13°F) to 52°C (125°F)	
	Metal Bowl	-25°C (-13°F) to 65.5°C (150°F)	
Max Supply Pressure**	Plastic Bowl	10 bar (150 psi)	
	Metal Bowl	17 bar (250 psi)	
Standard Filtration†		1.0 and 0.01 Micron ppm wt	
Adsorber	Max oil carryover (ppm w/w) 0.003 @ 21°C (70°F)		
Useful Retention‡		85 cm³ (2.8 US oz.)	
Port Size	BSPP / NPT		1/2, 3/4
Weight		0.50 kg (1.10 lbs)	

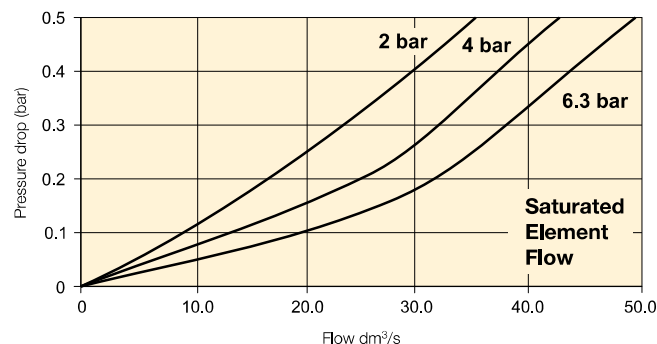
* Inlet pressure 6.3 bar (90 psi), Pressure drop 0.2 bar (3 psig), Saturated Element.

** Inlet pressure 6.3 bar (90 psi), Pressure drop 0.4 bar (6 psig), Saturated Element.

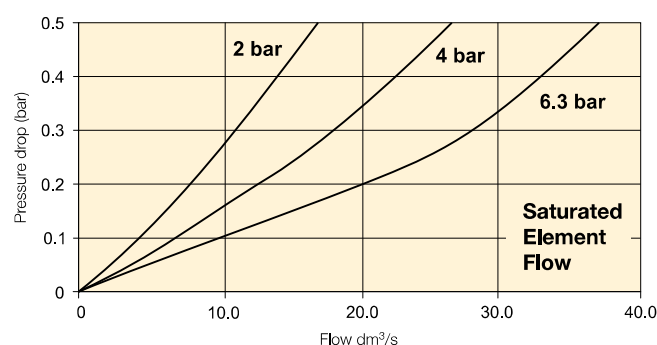
† Useful retention refers to volume below the quiet zone baffle.

Flow Charts

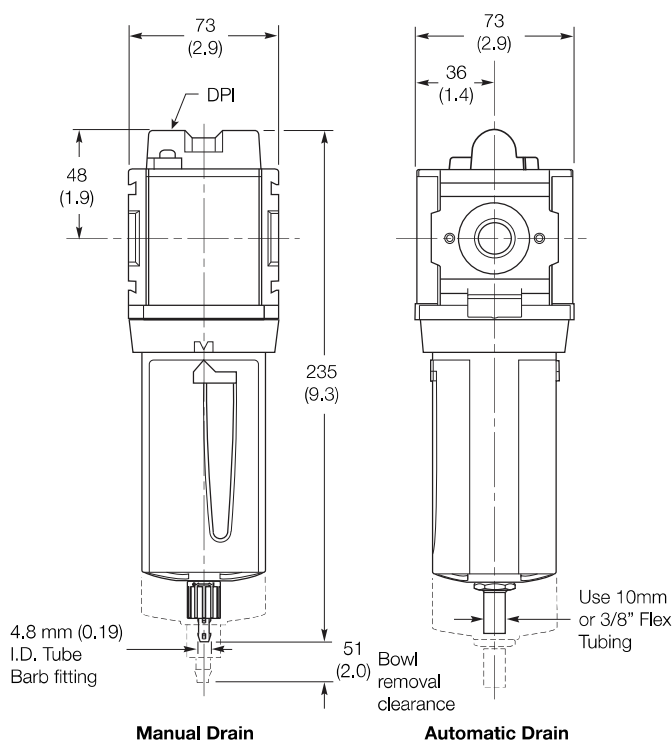
P33 - 1.0 micron flow



P33 - 0.01 micron flow



Dimensions



Materials of Construction

Body	Aluminium	
Body Cap	ABS	
Bowls	Plastic Bowl	Polycarbonate
	Metal Bowl	Zinc
Filter Element	1.0 and .01 Micron	Borosilicate Cloth
Adsorber	Activated Carbon	
Seals	Nitrile	
Sight Gauge	Metal Bowl	Polycarbonate

Repair and Service Kits

Plastic bowl / Bowl guard manual drain	P33KA00BGM
Metal bowl / Sight gauge manual drain	P33KA00BSM
Auto drain	P32KA00DA
1µ coalescing filter element	P33KA00ES9
0.01µ coalescing filter element	P33KA00ESC
Activated carbon adsorber filter element	P33KA00ESA
L-Bracket (fits to body)	P33KA00ML
T-Bracket (fits to body connector)	P32KA00MB
T-Bracket with body connector	P32KA00MT
Body connector	P32KA00CB
Differential pressure indicator (replacement)	P32KA00RQ