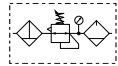


Popular Combinations: Inlet pressure 10 bar (145 psig), Secondary pressure 6.3 bar (91.3 psig), 1 bar (14.5 psig) pressure drop.



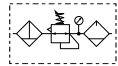
Filter + Regulator + Lubricator Combinations, Poly bowl
5 micron element, 8 bar (116 psig) regulator + gauge and wall mounting brackets



Port size	Flow	Manual drain	Weight	Auto drain	Weight
1/2"	43 dm ³ /s 90 (scfm)	P33CB14GEMNGLNW	1.84 kg (4.06 lbs)	P33CB14GEANGLNW	1.84 kg (4.06 lbs)
3/4"	52 dm ³ /s 110 (scfm)	P33CB16GEMNGLNW	1.84 kg (4.06 lbs)	P33CB16GEANGLNW	1.84 kg (4.06 lbs)



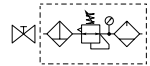
Filter/Regulator + Lubricator Combinations, Poly bowl
5 micron element, 8 bar (116 psig) regulator + gauge and wall mounting brackets



Port size	Flow	Manual drain	Weight	Auto drain	Weight
1/2"	52 dm ³ /s 110 (scfm)	P33CA14GEMNGLNW	1.51 kg (3.33 lbs)	P33CA14GEANGLNW	1.51 kg (3.33 lbs)
3/4"	71 dm ³ /s 150 (scfm)	P33CA16GEMNGLNW	1.51 kg (3.33 lbs)	P33CA16GEANGLNW	1.51 kg (3.33 lbs)



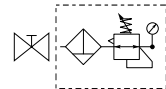
Ball Valve + Filter/Regulator + Lubricator Combinations, Poly bowl
5 micron element, 8 bar (116 psig) regulator + gauge and wall mounting brackets



Port size	Flow	Manual drain	Weight	Auto drain	Weight
1/2"	52 dm ³ /s 110 (scfm)	P33QA14GEMNGLNW	1.51 kg (3.33 lbs)	P33QA14GEANGLNW	1.51 kg (3.33 lbs)
3/4"	71 dm ³ /s 150 (scfm)	P33QA16GEMNGLNW	1.51 kg (3.33 lbs)	P33QA16GEANGLNW	1.51 kg (3.33 lbs)



Ball Valve + Filter/Regulator Combinations + Poly bowl
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets



Port size	Flow	Manual drain	Weight	Auto drain	Weight
1/2"	52 dm ³ /s 110 (scfm)	P33QN14GEMNGW	1.7 kg (3.75 lbs)	P33QN14GEANGW	1.7 kg (3.75 lbs)
3/4"	71 dm ³ /s 150 (scfm)	P33QN16GEMNGW	1.7 kg (3.75 lbs)	P33QN16GEANGW	1.7 kg (3.75 lbs)

P 3 3 **E** **N** **L N** **W**

Combination	Thread type	Port size	Drain type	Adjustment range	Add only for options with Lubricator
Combination C	BSPP 1	1/2 4	Auto drain A	With round gauge	
Shut off + Combination ¹ Q	NPT 9	3/4 6	Manual drain M	0-2 bar; 0-30 psi; 0.2 MPa Z	
				4 bar; 60 psi; 0.4 MPa M	
				8 bar; 125 psi; 0.8 MPa G	

¹ Option not available with F+R+L

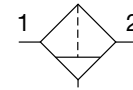
Combination type	Bowl type
F/R+L A	Poly bowl with bowl guard G
F+R+L B	Metal bowl with sight glass S
F/R N	

Note: All bowl types are the same for each component
Example: If a "G" is specified for a F+L, both units would get a poly bowl with bowl guard.

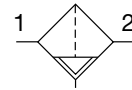
Standard Particulate Filter - P33



Symbols



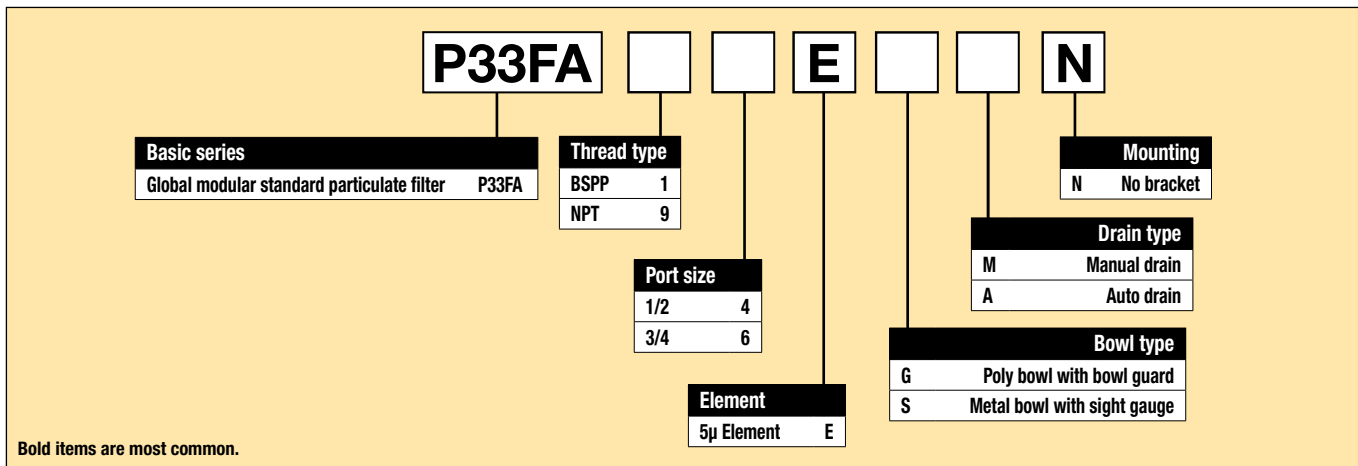
Manual drain



Auto drain

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

Options:



Port size	Description	Flow [†] dm ³ /s (scfm)	Max. bar (psig)	Height mm (inches)	Width mm (inches)	Depth mm (inches)	Part number [†]
1/2"	Poly bowl - manual drain	40 (85)	10 (150)	213 (8.39)	73 (2.87)	73 (2.87)	P33FA14EGMN
1/2"	Poly bowl - auto drain	40 (85)	10 (150)	207 (8.15)	73 (2.87)	73 (2.87)	P33FA14EGAN
1/2"	Metal bowl - manual drain	40 (85)	17 (250)	213 (8.39)	73 (2.87)	73 (2.87)	P33FA14ESMN
1/2"	Metal bowl - auto drain	40 (85)	17 (250)	207 (8.15)	73 (2.87)	73 (2.87)	P33FA14ESAN
3/4"	Poly bowl - manual drain	48 (102)	10 (150)	213 (8.39)	73 (2.87)	73 (2.87)	P33FA16EGMN
3/4"	Poly bowl - auto drain	48 (102)	10 (150)	207 (8.15)	73 (2.87)	73 (2.87)	P33FA16EGAN
3/4"	Metal bowl - manual drain	48 (102)	17 (250)	213 (8.39)	73 (2.87)	73 (2.87)	P33FA16ESMN
3/4"	Metal bowl - auto drain	48 (102)	17 (250)	207 (8.15)	73 (2.87)	73 (2.87)	P33FA16ESAN

† 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*	1/2	40 dm ³ /s (85 scfm)
	3/4	48 dm ³ /s (102 scfm)
Operating temperature	Plastic bowl	-25°C to 52°C (-13°F to 125°F)
	Metal bowl	-25°C to 65.5°C (-13°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†	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.

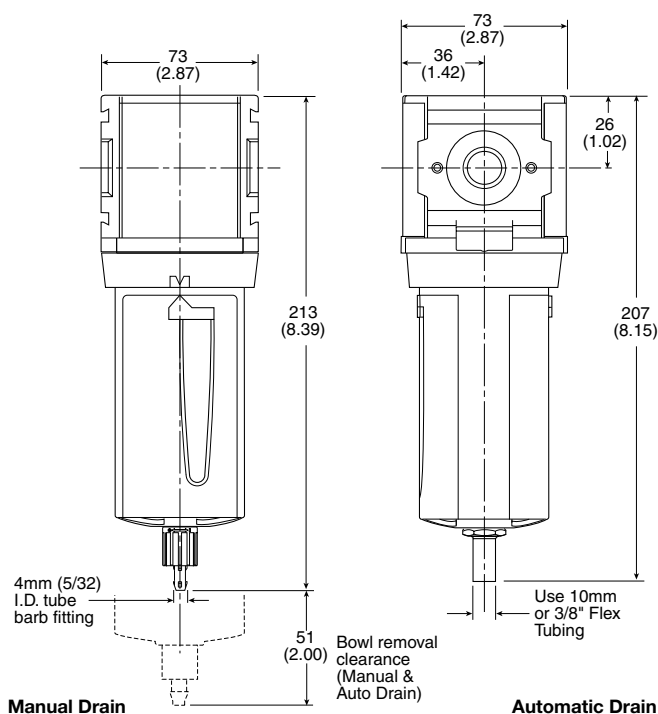
Air quality:

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

Material Specifications

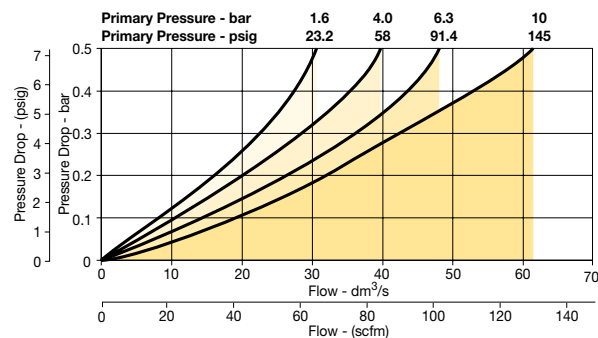
Body	Aluminum	
Body cap	ABS	
Bowls	Plastic bowl	Polycarbonate
	Metal bowl	Aluminum
Bowl guard	Nylon	
Deflector	Polypropylene	
Element retainer / Baffle	Acetal	
Filter element	Sintered polyethylene	
Seals	Nitrile	
Sight gauge	Metal bowl	Polycarbonate

Dimensions mm (inches)

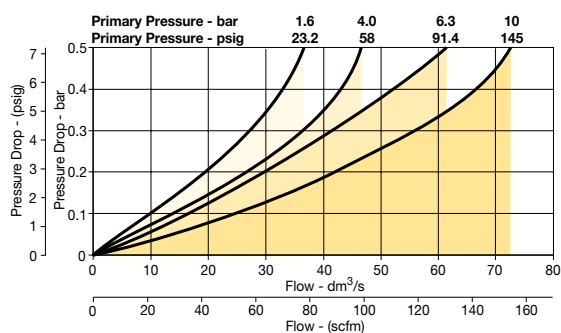


Flow Charts

1/2 Filter



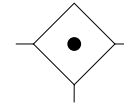
3/4 Filter



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	P33KA00MT
Body connector	P32KA00CB

Standard Coalescing and Adsorber Filter - P33 Symbol



- Integral 1/2" or 3/4" ports (NPT & BSPP)
- 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 vapors and most hydrocarbons

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

Options:

P33FA

<p>Basic series Global modular standard coalescing filter P33FA</p>	<p>Thread type BSPP 1 NPT 9</p>	<p>Port size 1/2 4 3/4 6</p>	<p>Element 0.01µ Element C 0.01µ Element with DPI D 1µ Element 9 1µ Element with DPI Q Adsorber A</p>	<p>Mounting N No bracket</p>	<p>Drain type M Manual drain A Auto drain</p>	<p>Bowl type G Poly bowl with bowl guard S Metal bowl with sight gauge</p>
------------------------------------------------------------------------------------------	--------------------------------------------------------------------	-----------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------	--------------------------------------------------------------------	-------------------------------------------------------------------------------------------------

Bold items are most common.

Port size	Description	Flow [†] dm ³ /s (scfm)	Max. bar (psig)	Height mm (inches)	Width mm (inches)	Depth mm (inches)	Part number [†]
1/2"	Poly bowl - 0.01 micron, manual drain	32 (68)	10 (150)	235 (9.25)	73 (2.87)	73 (2.87)	P33FA14DGMM
1/2"	Poly bowl - 0.01 micron, auto drain	32 (68)	10 (150)	229 (9.02)	73 (2.87)	73 (2.87)	P33FA14DGAN
1/2"	Metal bowl - 0.01 micron, manual drain	32 (68)	17 (250)	235 (9.25)	73 (2.87)	73 (2.87)	P33FA14DSMN
1/2"	Metal bowl - 0.01 micron, auto drain	32 (68)	17 (250)	229 (9.02)	73 (2.87)	73 (2.87)	P33FA14DSAN
3/4"	Poly bowl - 0.01 micron, manual drain	32 (68)	10 (150)	235 (9.25)	73 (2.87)	73 (2.87)	P33FA16DGMM
3/4"	Poly bowl - 0.01 micron, auto drain	32 (68)	10 (150)	229 (9.02)	73 (2.87)	73 (2.87)	P33FA16DGAN
3/4"	Metal bowl - 0.01 micron, manual drain	32 (68)	17 (250)	235 (9.25)	73 (2.87)	73 (2.87)	P33FA16DSMN
3/4"	Metal bowl - 0.01 micron, auto drain	32 (68)	17 (250)	229 (9.02)	73 (2.87)	73 (2.87)	P33FA16DSAN

[†] 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 0.2 (3 psig) pressure drop.

Specifications

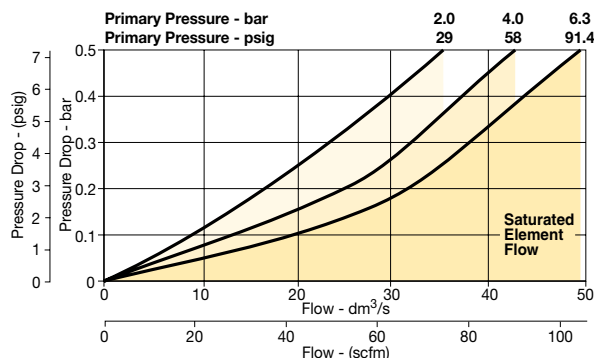
Flow capacity		
1.0 micron coalescing		32 dm ³ /s (68 scfm)
0.01 micron coalescing		20 dm ³ /s (42 scfm)
Activated carbon adsorber		34 dm ³ /s (72 scfm)
Operating temperature		
Plastic bowl		-25°C to 52°C (-13°F to 125°F)
Metal bowl		-25°C to 65.5°C (-13°F to 150°F)
Max. supply pressure		
Plastic bowl		10 bar (150 psig)
Metal bowl		17 bar (250 psig)
Standard filtration		
		1.0 and 0.01 micron
Adsorber Max. oil carryover (ppm w/w)		
		0.003 @ 21°C (70°F)
Useful retention [†]		
		85 cm ³ (2.8 US oz.)
Port size		
	BSPP / NPT	1/2, 3/4
Weight		
		0.50 kg (1.10 lbs)

Inlet pressure 6.3 bar (91.3 psig), Pressure drop 0.2 bar (3 psig), Saturated Element.

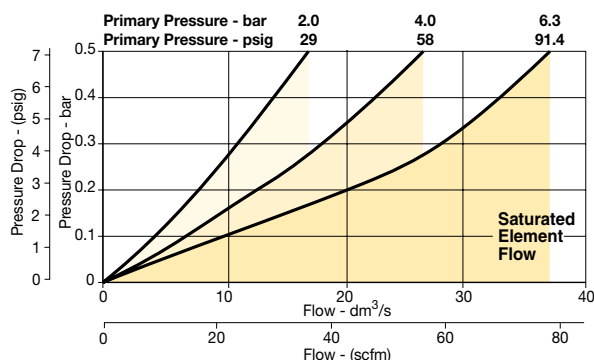
[†] Useful retention refers to volume below the quiet zone baffle.

Flow Charts

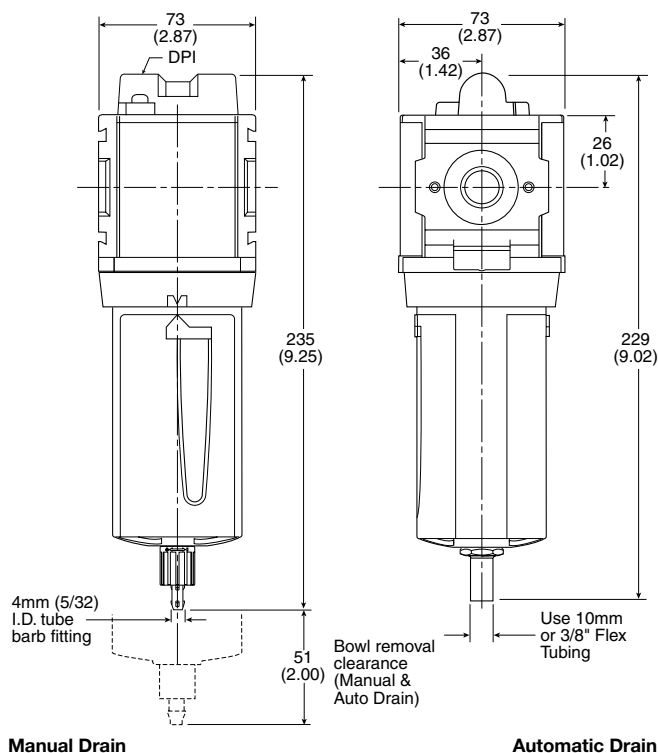
P33 - 1.0 micron flow



P33 - 0.01 micron flow



Dimensions mm (inches)



Material Specifications

Body	Aluminum	
Body cap	ABS	
Bowls	Plastic bowl	Polycarbonate
	Metal bowl	Aluminum
Filter element	1.0 and .01 micron	Borosilicate cloth
Adsorber	Activated carbon	
Seals	Nitrile	
Sight gauge	Metal bowl	Polycarbonate

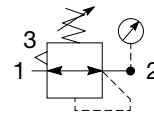
Repair and Service Kits

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

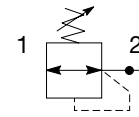
Standard Regulator - P33



Symbols



Self relieving regulator with gauge



Non relieving regulator

- Integral 1/2" or 3/4" ports (NPT & BSPP)
- Robust but lightweight aluminum construction
- Secondary pressure ranges 0-2 bar (0-30 psig), 0-4 bar, (0-60 psig), 0-8 bar (0-125 psig), 0-17 bar (0-250 psig)
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Relieving & Non-relieving types
- Non-rising knob

Options:

P33RA [] [] [] **N** [] **P**

Basic series	Thread type	Mounting
Global modular standard regulator P33RA	BSPP 1 NPT 9	P Plastic panel mount nut

Port size	Relief
1/2 4 3/4 6	Relieving B Non-relieving N Reverse flow-relieving R

Adjustment range
With round gauge
Z 2 bar; 30 psig; 0.2 MPa
M 4 bar; 60 psig; 0.4 MPa
G 8 bar; 125 psig; 0.8 MPa
J 17 bar; 250 psig; 1.7 MPa
Without gauge
Y 2 bar; 30 psig; 0.2 MPa
L 4 bar; 60 psig; 0.4 MPa
N 8 bar; 125 psig; 0.8 MPa
H 17 bar; 250 psig; 1.7 MPa

Bold items are most common.

Port size	Description	Flow† dm ³ /s (scfm)	Max. bar (psig)	Height mm (inches)	Width mm (inches)	Part number†
1/2"	8 bar (125 psig) relieving	110 (233)	20 (300)	149 (5.87)	73 (2.87)	P33RA14BNNP
1/2"	8 bar (125 psig) relieving + gauge	110 (233)	20 (300)	149 (5.87)	108 (4.27)	P33RA14BNGP
3/4"	8 bar (125 psig) relieving	110 (233)	20 (300)	149 (5.87)	73 (2.87)	P33RA16BNNP
3/4"	8 bar (125 psig) relieving + gauge	110 (233)	20 (300)	149 (5.87)	108 (4.27)	P33RA16BNGP

† Standard part numbers shown in bold. For other models refer to Options chart above.
 ‡ Flow with 10 bar (145 psig) inlet pressure, 6.3 bar (91.3) psig) set pressure and 1 bar (14.5 psig) pressure drop.

Specifications

Flow capacity*	1/2	110 dm ³ /s (233 scfm)
	3/4	110 dm ³ /s (233 scfm)
Operating temperature	-25°C to 65.5°C (-13°F to 150°F)	
Max. supply pressure	20 bar (300 psig)	
Adjusting range pressure	0-2 bar (30 psig)	
	0-4 bar (60 psig)	
	0-8 bar (125 psig)	
	0-17 bar (250 psig)	
Port size	BSPP / NPT	1/2, 3/4
Gauge port (2 ea.)	BSPP / NPT	1/4
Weight	0.62 kg (1.37 lbs)	

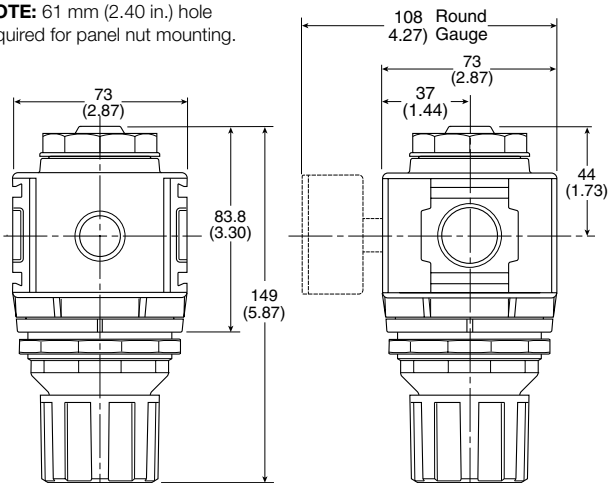
* Inlet pressure 10 bar (145 psig). Secondary pressure 6.3 bar (91.3 psig).

Material Specifications

Body	Aluminum	
Adjustment knob	Acetal	
Body cap	ABS	
Bonnet	33% Glass-filled nylon	
Diaphragm assembly	Nitrile / Zinc	
Bonnet	33% Glass-filled nylon	
Valve assembly	Brass / Nitrile	
Springs	Main regulating valve	Steel S.S.
Seals	Nitrile	
Panel nut	Acetal	

Dimensions mm (inches)

NOTE: 61 mm (2.40 in.) hole required for panel nut mounting.



WARNING

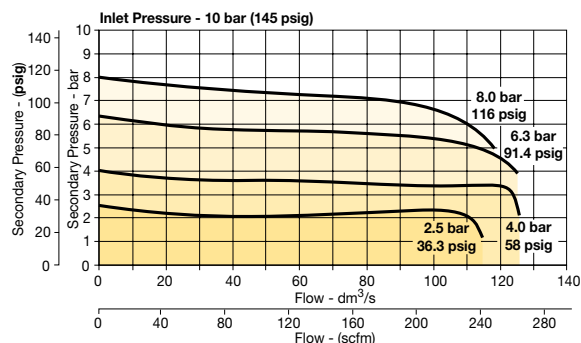
**Product rupture can cause serious injury.
 Do not connect regulator to bottled gas.
 Do not exceed Maximum primary pressure rating.**

CAUTION:

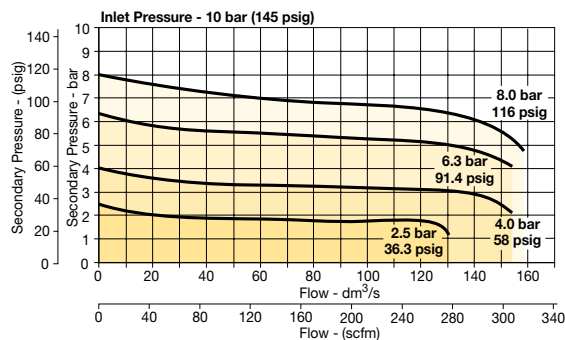
REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design. For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

Flow Charts

1/2 Regulator



3/4 Regulator



Repair and Service Kits

Panel mount nut - aluminum	P33KA00MM
Panel mount nut - plastic	P33KA00MP
Angle bracket (attaches via panel nut)	P33KA00MR
T-bracket with body connector	P32KA00MT
T-bracket	P32KA00MB
Body connector	P32KA00CB

Gauges

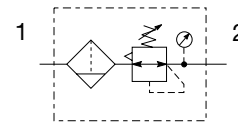
50mm (2") Round 1/4" center back mount

0-60 psig / 0-4 bar	P6G-ERB2040
0-160 psig / 0-11 bar	P6G-ERB2110
0-300 psig / 0-20 bar	P6G-ERB2200

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

Standard Filter / Regulator - P33

Symbols



- Integral 1/2" or 3/4" ports (NPT & BSPP)
- High efficiency 5 micron element as standard
- Excellent water removal efficiency
- Robust but lightweight aluminum construction
- Positive bayonet latch to ensure correct & safe fitting
- Secondary pressure ranges 0-2 bar (0-30 psig), 0-4 bar, (0-60 psig), 0-8 bar (0-125 psig), 0-17 bar (0-250 psig)
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation

Options:

P33EA			E				N		P
Basic series Global modular standard filter / regulator P33EA	Thread type BSPP 1 NPT 9	Element 5µ Element E	Port size 1/2 4 3/4 6	Bowl type Poly bowl with bowl guard G Metal bowl with sight gauge S	Relief B Relieving N Non-relieving	Drain type M Manual drain A Auto drain	Adjustment range With round gauge Z 2 bar; 30 psig; 0.2 MPa M 4 bar; 60 psig; 0.4 MPa G 8 bar; 125 psig; 0.8 MPa J [§] 17 bar; 250 psig; 1.7 MPa Without gauge Y 2 bar; 30 psig; 0.2 MPa L 4 bar; 60 psig; 0.4 MPa N 8 bar; 125 psig; 0.8 MPa H [§] 17 bar; 250 psig; 1.7 MPa	Mounting P Plastic panel mount nut	

Bold items are most common.

[§] Not available with poly bowl with bowl guard.

Port size	Description	Flow [‡] dm ³ /s (scfm)	Max. bar (psig)	Height mm (inches)	Width mm (inches)	Depth mm (inches)	Part number [†]
1/2"	8 bar (125 psig) relieving - poly bowl - manual drain	99 (210)	10 (150)	291 (11.44)	73 (2.87)	108 (4.27)	P33EA14EGMBNGP
1/2"	8 bar (125 psig) relieving - poly bowl - auto drain	99 (210)	10 (150)	285 (11.22)	73 (2.87)	108 (4.27)	P33EA14EGABNGP
1/2"	8 bar (125 psig) relieving - metal bowl - manual drain	99 (210)	17 (250)	291 (11.44)	73 (2.87)	108 (4.27)	P33EA14ESMBNGP
1/2"	8 bar (125 psig) relieving - metal bowl - auto drain	99 (210)	17 (250)	285 (11.22)	73 (2.87)	108 (4.27)	P33EA14ESABNGP
3/4"	8 bar (125 psig) relieving - poly bowl - manual drain	108 (230)	10 (150)	291 (11.44)	73 (2.87)	108 (4.27)	P33EA16EGMBNGP
3/4"	8 bar (125 psig) relieving - poly bowl - auto drain	108 (230)	10 (150)	285 (11.22)	73 (2.87)	108 (4.27)	P33EA16EGABNGP
3/4"	8 bar (125 psig) relieving - metal bowl - manual drain	108 (230)	17 (250)	291 (11.44)	73 (2.87)	108 (4.27)	P33EA16ESMBNGP
3/4"	8 bar (125 psig) Relieving - Metal bowl - Auto drain	108 (230)	17 (250)	285 (11.22)	73 (2.87)	108 (4.27)	P33EA16ESABNGP

[†] Standard part numbers shown in bold. For other models refer to Options chart above.
[‡] Flow with 10 bar (145 psig) inlet pressure, 6.3 bar (91.3 psig) set pressure and 1 bar (14.5 psig) pressure drop.

Specifications

Flow capacity*	1/2	99 dm ³ /s (210 scfm)
	3/4	108 dm ³ /s (230 scfm)
Operating temperature	Plastic bowl	-25°C to 52°C (-13°F to 125°F)
	Metal bowl	-25°C to 65.5°C (-13°F to 150°F)
Supply pressure	Plastic bowl	10 bar (150 psig)
	Metal bowl	17 bar (250 psig)
Standard filtration	5 micron	
Useful retention†	85 cm ³ (2.8 US oz.)	
Adjusting range pressure	0-2 bar (30 psig)	
	0-4 bar (60 psig)	
	0-8 bar (125 psig)	
	0-17 bar (250 psig)	
Port size	BSP / NPT	1/2, 3/4
Gauge port (2 ea.)	BSP / NPT	1/4
Weight	0.85 kg (1.87 lbs)	

* Inlet pressure 10 bar (145 psig). Secondary pressure 6.3 bar (91.3 psig).
 † Useful retention refers to volume below the quiet zone baffle.

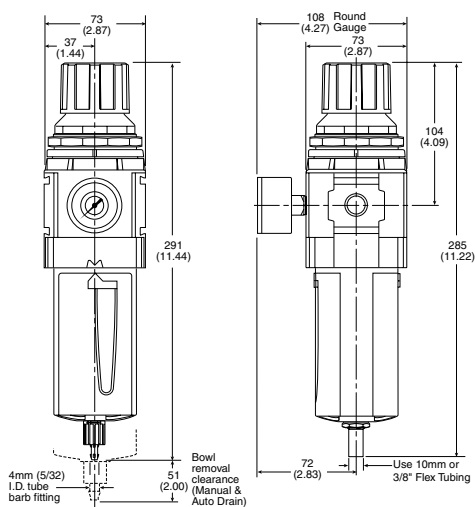
Air quality:

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

Material Specifications

Body	Aluminum	
Adjustment knob	Acetal	
Body cap	ABS	
Element retainer / Baffle	Acetal	
Bowls	Plastic bowl	Polycarbonate
	Metal bowl	Aluminum
Filter element	Sintered Polyethylene	
Seals	Nitrile	
Springs	Main regulating / Valve	Steel / S.S.
Valve assembly	Brass / Nitrile	
Diaphragm assembly	Nitrile / Zinc	
Panel nut	Acetal	
Sight gauge	Metal bowl	Polycarbonate

Dimensions mm (inches)



Manual Drain

Automatic Drain

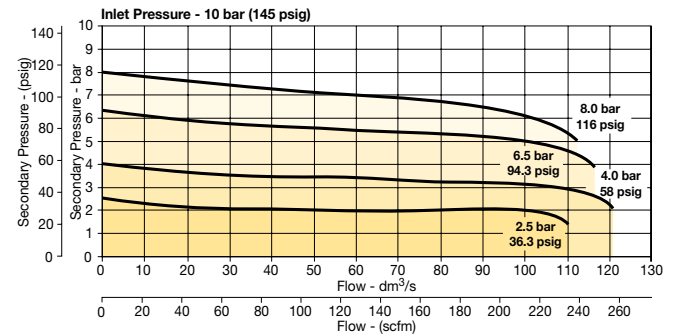


WARNING

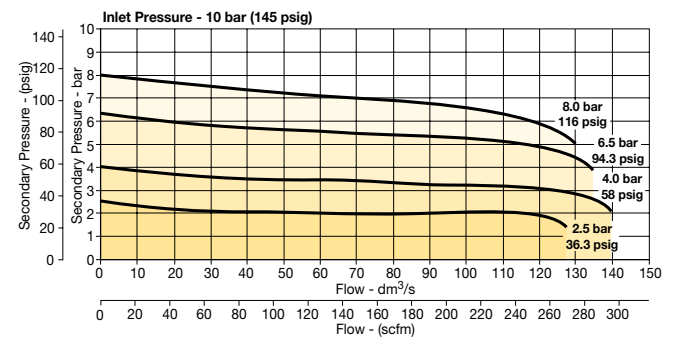
**Product rupture can cause serious injury.
 Do not connect regulator to bottled gas.
 Do not exceed Maximum primary pressure rating.**

Flow Charts

1/2 Filter / Regulator



3/4 Filter/Regulator



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
Panel mount nut - Aluminum	P33KA00MM
Panel mount nut - Plastic	P33KA00MP
Angle bracket (fits to panel mount threads)	P33KA00MR
T-bracket (fits to body connector)	P32KA00MB
T-bracket with body connector	P32KA00MT
Body connector	P32KA00CB

Gauges

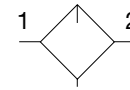
50mm (2") Round 1/4" center back mount

0-60 psig / 0-4 bar	P6G-ERB2040
0-160 psig / 0-11 bar	P6G-ERB2110
0-300 psig / 0-20 bar	P6G-ERB2200

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

Standard Lubricator - P33

Symbol



Lubricator with drain

- Integral 1/2" or 3/4" ports (NPT & BSPP)
- Robust but lightweight aluminum construction
- Proportional oil delivery over a wide range of air flows
- Finger tip ratchet control for precise oil drip rate adjustment
- Fill from top under system pressure

Options:

P33LA [] [] **L** [] **N** **N**

Basic series Global modular standard lubricator P33LA	Thread type BSPP 1 NPT 9	Port size 1/2 4 3/4 6	Lube type Oil mist standard sight dome L	Drain type N No drain closed end	Bowl type G Poly bowl with bowl guard S Metal bowl with sight gauge	Mounting N No bracket
-----------------------------------------------------------------	---------------------------------------	------------------------------------	----------------------------------------------------	--------------------------------------------	----------------------------------------------------------------------------------	---------------------------------

Bold items are most common.

Port size	Description	Flow [†] dm ³ /s (scfm)	Max. bar (psig)	Height mm (inches)	Width mm (inches)	Depth mm (inches)	Part number [†]
1/2"	Poly bowl - No drain	52 (110)	10 (150)	234 (9.21)	73 (2.9)	73 (2.9)	P33LA14LGNN
1/2"	Metal bowl - No drain	52 (110)	17 (250)	234 (9.21)	73 (2.9)	73 (2.9)	P33LA14LSNN
3/4"	Poly bowl - No drain	71 (150)	10 (150)	234 (9.21)	73 (2.9)	73 (2.9)	P33LA16LGNN
3/4"	Metal bowl - No drain	71 (150)	17 (250)	234 (9.21)	73 (2.9)	73 (2.9)	P33LA16LSNN

[†] 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 bar (4.9 psig) pressure drop.

Specifications

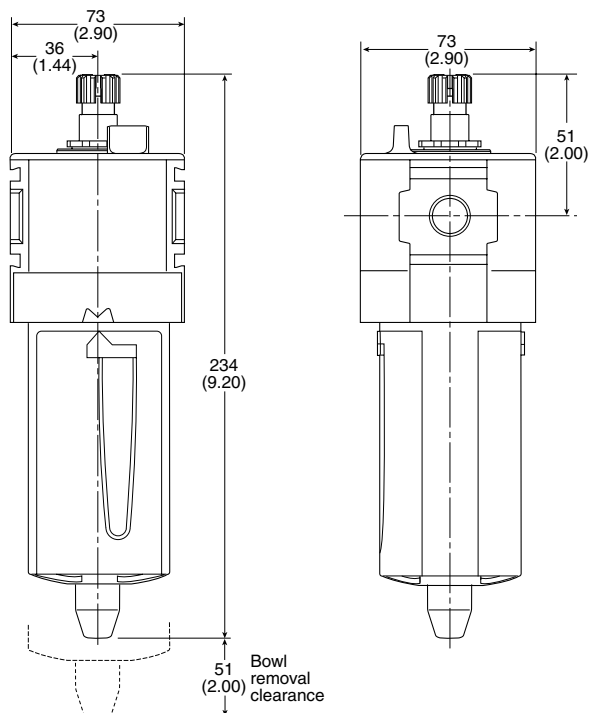
Flow capacity*	1/2	52 dm ³ /s (110 scfm)
	3/4	71 dm ³ /s (150 scfm)
Operating temperature	Plastic bowl	-10°C to 52°C (14°F to 125°F)
	Metal Bowl	-10°C to 65.5°C (14°F to 150°F)
Max. supply pressure	Plastic bowl	10 bar (150 psig)
	Metal bowl	17 bar (250 psig)
Useful retention		181 cm ³ (6.1 US oz.)
Port size	BSP / NPT	1/2, 3/4
Weight		0.47 kg (1.04 lbs)

* Inlet pressure 6.3 bar (91.3 psig). Pressure drop 0.34 bar (4.9 psig).

Material Specifications

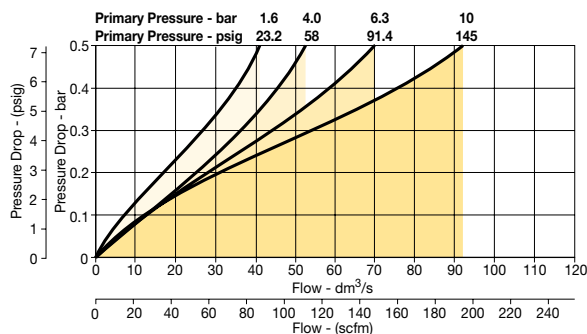
Body	Aluminum	
Body cap	ABS	
Bowls	Plastic bowl	Polycarbonate
	Metal bowl	Aluminum
Seals	Nitrile	
Sight dome	Polycarbonate	
Sight gauge	Metal bowl	Polycarbonate
Suggested lubricant	ISO / ASTM VG32	
Pick-up filter	Sintered bronze	

Dimensions mm (inches)

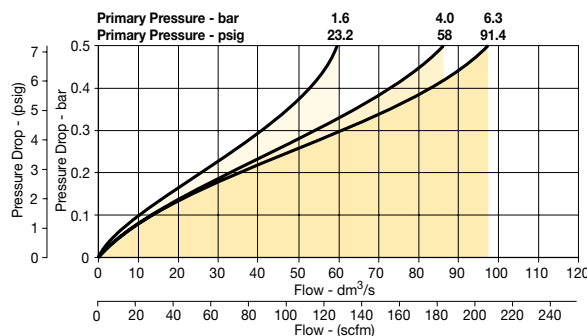


Flow Charts

1/2 Lubricator














3/4 Lubricator













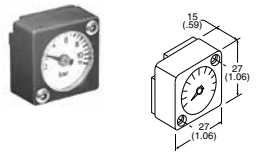
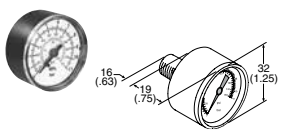
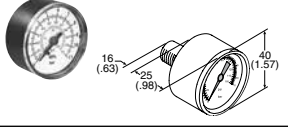
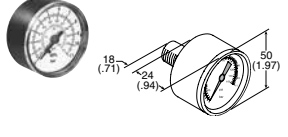


Repair and Service Kits

Plastic bowl / Bowl guard no drain	P33KA00BGN
Metal bowl / w/o sight gauge no drain	P33KA00BMN
Metal bowl / Sight gauge no drain	P33KA00BSN
Drip control assembly	P32KA00PG
Fill plug	P32KA00PL
L-bracket (fits to body)	P33KA00ML
T-bracket (fits to body connector)	P32KA00MB
T-bracket with body connector	P32KA00MT
Body connector	P32KA00CB
Lubricator oil - VG15: ISO 3448 - 100 ml	P3XKA00PPA
Lubricator oil - VG32 - 1 litre	P3YKA00PPBB

(DO NOT USE OILS WITH ADDITIVES, COMPOUNDED OILS CONTAINING SOLVENTS, GRAPHITE, DETERGENTS, OR SYNTHETIC OILS.)

Series	Description	Part number	
P31 P32 P33	Panel Mount Nut (Plastic)	P31KA00MP P32KA00MP P33KA00MP	
P31 P32 P33	Panel Mount Nut (Aluminum)	P31KA00MM P32KA00MM P33KA00MM	
P31 P32 P33	5µ Element Kit	P31KA00ESE P32KA00ESE P33KA00ESE	
P31 P32 P33	1µ Element Kit	P31KA00ES9 P32KA00ES9 P33KA00ES9	
P31 P32 P33	0.01µ Element Kit	P31KA00ESC P32KA00ESC P33KA00ESC	
P31 P32 P33	Adsorber Element Kit	P31KA00ESA P32KA00ESA P33KA00ESA	
P32 / P33	Auto Drain Kit	P32KA00DA	
P31 P32 / P33	Differential Pressure Indicator Kit	P31KB00RQ P32KA00RQ	
P31 / P32 / P33	Drip Control Assembly Kit	P32KA00PH	
P31 P32 / P33	Fill Plug Kit	P31KB00RQ P32KA00PL	
P31 P32 P33	Lubricator - Plastic Bowl w/ Bowl Guard No Drain	P31KB00BGN P32KB00BGN P33KA00BGN	

Series	Description	Part number	
P31 P32 P33	Lubricator - Metal Bowl w/o Sight Gauge No Drain	P31KB00BMN P32KB00BMN P33KA00BMN	
P32 P33	Lubricator - Metal Bowl w/ Sight Gauge No Drain	P32KB00BSN P33KA00BSN	
P31 P32 P33	Metal Bowl w/o Sight Gauge & Manual Drain	P31KB00BMM P32KB00BMM P33KA00BMM	
P31	Metal Bowl w/o Sight Gauge & Pulse Drain	P31KB00BMB	
P32 P33	Metal Bowl w/o Sight Gauge & Auto Drain	P32KB00BMA P33KA00BMA	
P32 P33	Metal Bowl w/ Sight Gauge & Manual Drain	P32KB00BSM P33KA00BSM	
P32 P33	Metal Bowl w/ Sight Gauge & Auto Drain	P32KB00BSA P33KA00BSA	
P31 P32 P33	Plastic Bowl w/ Bowl Guard & Manual Drain	P31KB00BGM P32KB00BGM P33KA00BGM	
P31	Plastic Bowl w/ Bowl Guard & Pulse Drain	P31KB00BGB	
P32 P33	Plastic Bowl w/ Bowl Guard & Auto Drain	P32KB00BGA P33KA00BGA	

Series	Description	Connection	Part number	
P31	Square Flush Mounting Gauge Kit	0-4 bar 0-11 bar 0-60 psig 0-160 psig	K4511SCR04B K4511SCR11B K4511SCR060 K4511SCR160	
P31	Square Mounting Gauge with Adapter Kit	0-4 bar 0-11 bar 0-60 psig 0-160 psig	P6G-PR11040 P6G-PR11110 P6G-PR90060 P6G-PR90160	
P31	1" Round Gauge	0-60 psig / 0-4.1 bar 1/8" 0-160 psig / 0-10 bar 1/8"	K4510N18060 K4510N18160	
P31	40mm Round Gauge	0-30 psig / 0-2 bar 1/8" 0-60 psig / 0-4.1 bar 1/8" 0-160 psig / 0-10 bar 1/8"	K4515N18030 K4515N18060 K4515N18160	
P32 / P33	50mm Round Gauge	0-30 psig / 0-2 bar 1/4" 0-60 psig / 0-4.1 bar 1/4" 0-160 psig / 0-10 bar 1/4" 0-300 psig / 0-20 bar 1/4"	K4520N14030 K4520N14060 K4520N14160 K4520N14300	
P31 P32 / P33	Body Connector O-ring (Replacement kit) (Pack of 10)		P31KA00CY P32KA00CY	
P31 P32	Tamperproof Knob Kit		P31KB00AT P32KB00AT	
P31 P32	Tamperproof Lockable Kit		P31KB00AL P32KB00AL	