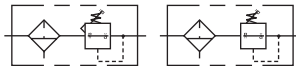


B34 Filter / Regulator – Miniature

- Excellent water removal efficiency
- Diaphragm operated for fast operation
- Large diaphragm to valve area for precise regulation and high flow capacity
- Balanced valve design for precise regulation
- Space saving package offers both filter and regulator features in one integral unit
- Non-rising adjustment knob
- 1/8", 1/4" ports (NPT, BSPP)



Port Size	Description ‡	Part Number
1/8"	Poly Bowl, Twist Drain	B344-01AGC
1/8"	Metal Bowl, Twist Drain	B344-01DGC
1/4"	Poly Bowl, Twist Drain	B344-02AGC
1/4"	Metal Bowl, Twist Drain	B344-02DGC

‡ For polycarbonate bowl, see caution in Engineering Section A.

NOTE: 1.218 Dia. (31 mm) hole required for panel mounting.

Operating information

Supply pressure (max):		
Zinc bowl (D)		0 to 300 psig (0 to 20.7 bar)
Poly bowl (A)		0 to 150 psig (0 to 10.3 bar)
Operating temperature:		40°F to 150°F (4.4°C to 52°C)
Reduced pressure range:		
		0 to 25 psig (0 to 1.7 bar)
		0 to 60 psig (0 to 4.1 bar)
		2 to 125 psig (0.15 to 8.5 bar)
Flow capacity†:		
High flow	1/8"	17 scfm (8 dm³/s, ANR)
	1/4"	19 scfm (9 dm³/s, ANR)
Bowl capacity:		1 oz.
Weight:	Zinc bowl	0.6 lb (0.27 kg)
	Poly bowl	0.3 lb (0.14 kg)
† scfm = Standard cubic feet per minute at 100 psig inlet and 75 psig no psig no flow secondary setting and 25% pressure drop.		
() Bowl type		

Ordering Information:

B34

Number of Ports	
2 Ports	2
4 Ports	4

4

Port Type	
NPT	–
BSPP	G

–

Port Size	
1/8 inch	01
1/4 inch	02

02

Element	
Polycarbonate Bowl	A
Metal Without Sight Gauge	D

A

Element	
5	Micron

G

Reduced Pressure Range	
A	0-25 psig
B	0-60 psig
C	0-125 psig

C

Options	
Blank	None
G	Gauge
K	Non-Relieving
P	Panel Mount (plastic)
S	Auto Pulse Drain

Most popular.



For inventory, lead times, and kit

Material Specifications

Adjusting Knob	Acetal
Body	Aluminum
Polycarbonate bowl (A)	Polycarbonate
Metal bowl (D)	Zinc
Elastomers	Buna N
Filter Element	Sintered polyethylene
Filter retainer, vane plate	Acetal
Innervale, diaphragm, button, drain	Brass

Repair and Service Kits

Adjusting knob	RRP-16-005-000
Zinc bowl (D)	BK505Y
Zinc bowl with auto pulse drain (D)	BK505SY
Polycarbonate bowl (A)	BK504Y
Polycarbonate bowl with auto pulse drain (A)	BK504SY
Automatic pulse drain (Maximum pressure = 175 psig)	RK504SY
5 micron element (All)	FRP-96-729
1-1/2" dial size, 1/8" back connection 0 to 60 psig (0 to 400 kPa), gauge	K4515N18060
1-1/2" dial size, 1/8" back connection 0 to 160 psig (0 to 1100 kPa), gauge	K4515N18160
Mounting bracket kit (includes plastic panel nut)	SA161X57
Panel mount nut, plastic	R05X51-P
Panel mount nut, aluminum	R05X51-A
Non-relieving diaphragm, valve assembly (All)	GRP-96-726
Relieving diaphragm, valve assembly (All)	GRP-96-725
0-25 psig gauge	GRP-95-111
0-60 psig gauge	GRP-96-718
0-125 psig gauge	GRP-96-717

⚠ WARNING

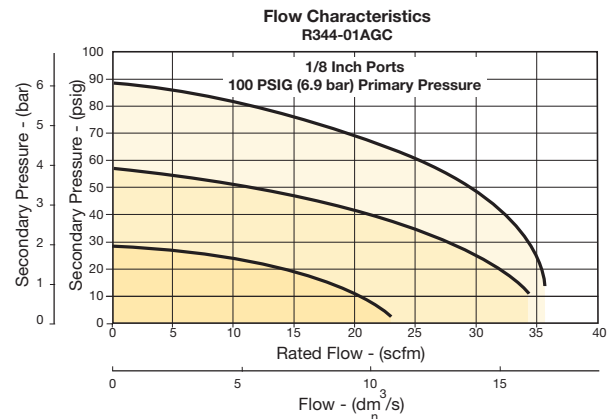
**Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed Maximum primary pressure rating.**

CAUTION:

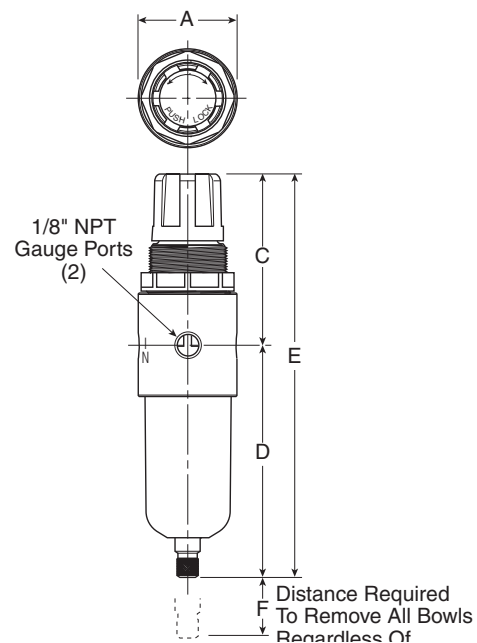
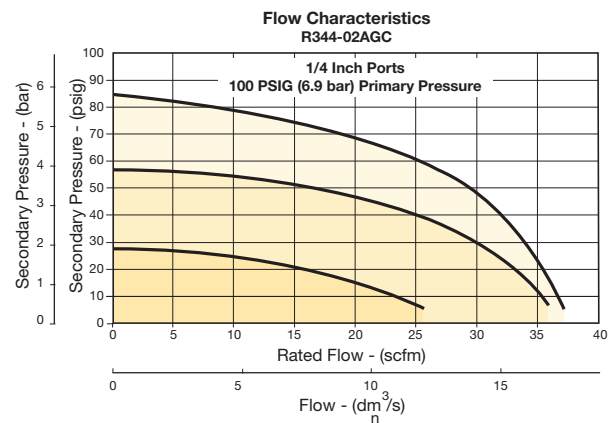
REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting 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

B34 1/8" Filter / Regulator



B34 1/4" Filter / Regulator



Filters

Coalescers

Regulators

Filter /
Regulators

Lubricators

Miniature / Inline
Products