

**Olympian
Filter/Regulator
3/4", 1", 1 1/4", 1 1/2" Port Sizes**

- **Olympian plug in design**
- **High Efficiency water and particle removal**
- **Push to lock adjusting knob with tamper resistant option**


Technical Data

Fluid: Compressed air

Maximum pressure:

Metal bowl: 17 bar (250 psig)

Operating temperature*:

Metal bowl: -20° to +80°C (0° to +175°F)

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Partical removal: 5, 25 or 50 µm. Within ISO 8573-1, Class 3 and Class 5

Typical flow at 10 bar (150 psig) inlet pressure, 6,3 bar (90 psig) set pressure and a droop of 1 bar (15 psig) from set:
230 dm³/s (487 scfm)

Automatic drain connection: 1/8"

Automatic drain operating conditions:

Minimum pressure: 0,7 bar (10 psig).

Drain opens when bowl pressure drops below 0,2 bar (3 psig).

Minimum air flow: 1 dm³/s (2 scfm) required to close drain.

Nominal bowl size:

0,5 litre (1 pint US)

Gauge ports: ISO G1/8

Materials:

Body: Aluminium

Bonnet: Aluminium

Adjusting knob: Acetal resin

Valve: Brass

Optional T-bar adjusting screw: Steel

Yoke: Aluminium

Metal bowl: Aluminium

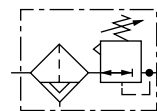
Sight glass: Pyrex

Element: Sintered bronze

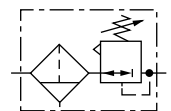
Elastomers: Synthetic rubber

Ordering Information

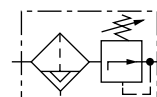
See *Ordering Information* on the following pages.

ISO Symbols


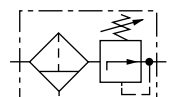
Automatic Drain
Relieving



Manual Drain
Relieving



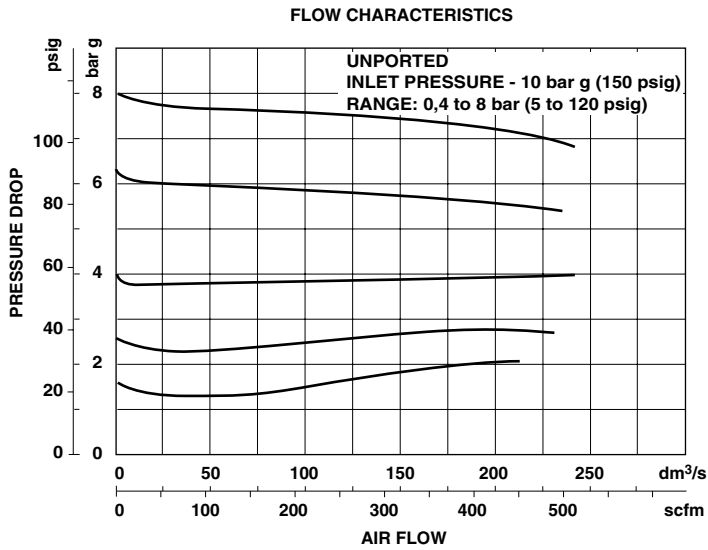
Automatic Drain
Non Relieving



Manual Drain
Non Relieving



Typical Performance Characteristics



Ordering Information. Models listed include ISO G threads, knob adjustment, automatic drain, 50 µm element, relieving diaphragm and 0,3 to 10 bar (5 to 150 psig) outlet pressure adjustment range* without gauge.

Port Size	Model	Weight kg (lb)
G3/4	B15-696-F3LD	3,16 (7.02)
G1	B15-896-F3LD	3,12 (6.93)
G1 1/4	B15-A96-F3LD	3,14 (6.98)
G1 1/2	B15-B96-F3LD	3,18 (7.07)

For replacement Filter/Regulator (without yoke) substitute '0' at 4th and 'O' at 10th digits eg: B15-096-F3LO.

Alternative Models

B 1 5 - ★ ★ ★ - ★ ★ ★ ★

Adjustment	Substitute
Knob	B
T-bar	A**

Port Size	Substitute
3/4"	6
1"	8
1 1/4"	A
1 1/2"	B

Option	Substitute
With sight glass, relieving	9 6
Without sight glass, relieving	2 4
With sight glass, non relieving	9 8
Without sight glass, non relieving	2 6

Thread	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	D

Outlet Pressure Adjustment Range*	Substitute
0 to 4 bar (0 to 60 psig)	F
0,4 to 8 bar (5 to 120 psig)	L
0,7 to 17 bar (10 to 250 psig)	S**

Element	Substitute
5 µm	1
25 µm	2
50 µm	3

Drain	Substitute
Automatic	F
Manual	B

* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

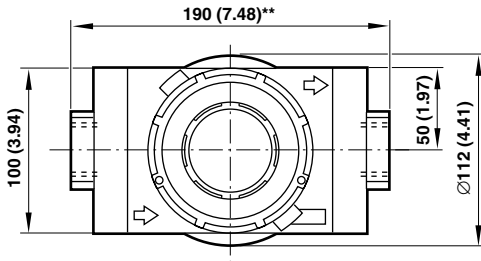
** Units with 17 bar (250 psig) adjustment range are available only with the T-bar adjustment; therefore substitute 'A' at the 1st digit and 'S' at the 9th position.



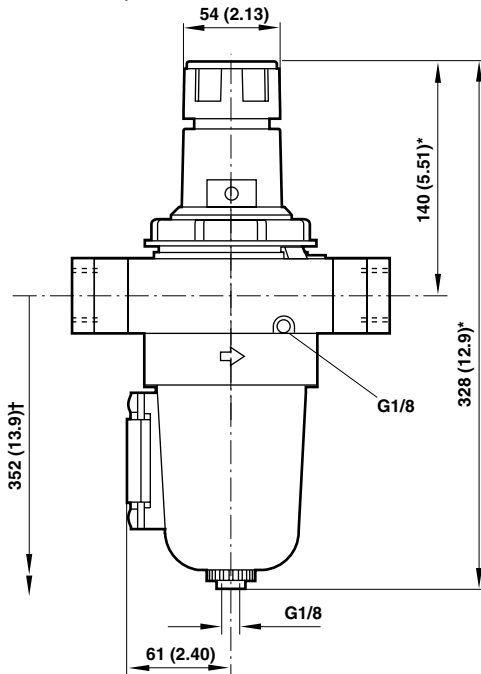
Accessories

<p>Wall Mounting Bracket</p>		<p>Key Lock Bonnet</p>	<p>Ø 50 mm Pressure Gauge</p>		
			R1/8 Connection	1/8 PTF Connection	
G3/4	18-001-979	5803-98	4 bar (60 psig):	18-013-012	18-013-202
G1	18-001-979		10 bar (150 psig):	18-013-013	18-013-204
G1 1/4	18-001-978		25 bar (360 psig):	18-013-014	18-013-206
G1 1/2	N/A				

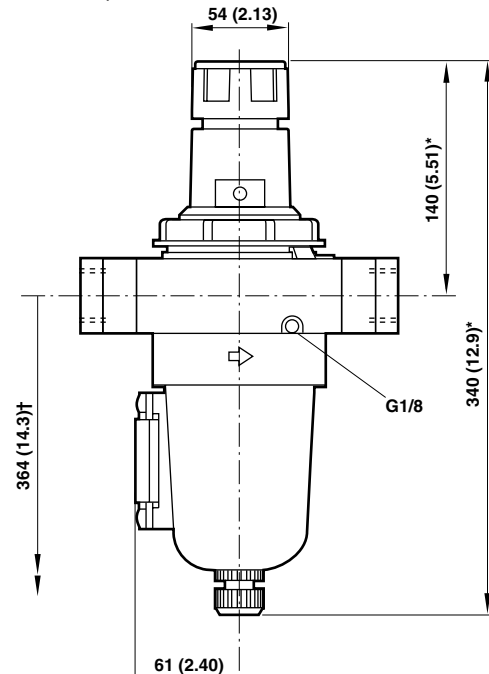
Dimensions mm (inches)



B15 (automatic drain)



B15 (manual drain)

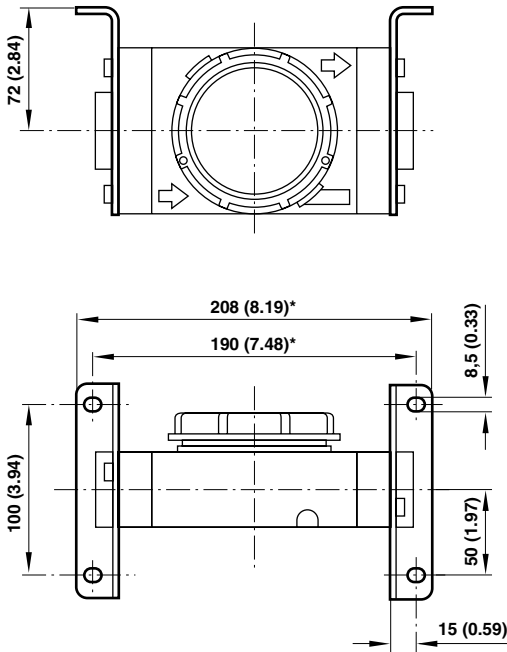


* Reduces by 4 mm (0.16") with knob in locked position. Add 37 mm (1.46") for unit with 'T' handle
 † Minimum clearance required to remove bowl.
 ** 200 mm (7.87) for 1 1/4" and 1 1/2" models



Bracket Mounting

Use 4 mm (5/32") screws to mount bracket to wall.



Bracket Kit Reference

Item	Type	Part Number
Wall Bracket	3/4" model	18-001-979
	1" model	18-001-979
	1 1/4" model	18-001-978
	1 1/2" model	N/A

Service Kits

Item	Type	Part Number
Service kit	Automatic drain, relieving	B15-100RA
	Manual drain, relieving	B15-100RM
	Automatic drain, non relieving	B15-100NA
	Manual drain, non relieving	B15-100NM
Replacement elements	5 µm	5576-97
	25 µm	5576-98
	50 µm	5576-99
Replacement Sight Glass	Pyrex	5827-99
Replacement Drains	Automatic	3000-97
	Manual	684-84

Manual drain service kit includes; insert retaining ring, valve spring, 50 µm element, slip ring, valve assembly, diaphragm assembly, drain cock body, drain cock spindle assembly and necessary seals and 'o' rings.

Automatic drain service kit includes; cap strainer, strainer, valve spring, 50 µm element, slip ring, valve assembly, diaphragm assembly and necessary seals and 'o' rings.

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under "Technical Data".

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

Water vapor will pass through these units and will condense into liquid if air temperature drops in the downstream system. Install an air dryer if water condensation could have a detrimental effect on the application.