

**Filter-Regulator**  
**G<sup>1</sup>/<sub>4</sub> to G<sup>1</sup>/<sub>2</sub>**

- Combines features of F11 Filters and R11 Regulators in one compact, integral unit
- Provides effective liquid removal and positive solid filtration
- Adjusting Knob has Snap-Action Lock
- Automatic Drain is operated by liquid level and also opens upon depressurisation
- Panel Mounting facility

**Technical Data**

Medium:

Compressed air only

Maximum Inlet Pressure:

10 bar transparent bowl  
 16 bar metal bowl

Operating Temperature:

-20°C\* to +50°C transparent bowl  
 -20°C\* to +80°C metal bowl

\*Consult our Technical Service for use below +2°C

Filter Element:

Standard - 40 µm nominal  
 Optional - 5 µm and 25 µm

Recommended Regulated Pressures<sup>††</sup>:

0,4 - 10 bar standard  
 0 - 4 bar optional  
 2 - 16 bar optional (only available with T-bar adjusting screw and metal bowl)

<sup>††</sup>Can be adjusted to zero bar outlet pressure and, generally, to pressures in excess of those specified

Gauge Ports:

G<sup>1</sup>/<sub>8</sub>

Maximum Flow with 10 bar inlet pressure, 6,3 bar outlet pressure and pressure drop of 1 bar:

40 dm<sup>3</sup>/s G<sup>1</sup>/<sub>4</sub>, G<sup>3</sup>/<sub>8</sub>  
 50 dm<sup>3</sup>/s G<sup>1</sup>/<sub>2</sub>

**Materials**

Polycarbonate bowl to BS 6005 as standard, zinc alloy bowl optional. Zinc alloy body. Acetal resin adjusting knob as standard, steel T-bar adjusting screw optional. Synthetic rubber elastomeric materials. Polypropylene filter element.

**Ordering Information**

To order a standard Filter-Regulator, quote model number from tables on page 8.7.061.03.

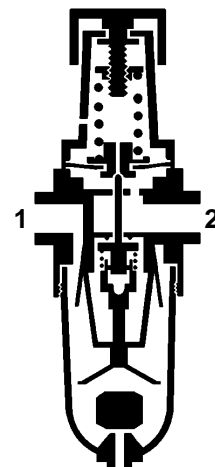
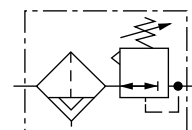
For non-standard models substitute appropriate digits as instructed.


**Port Sizes**

G<sup>1</sup>/<sub>4</sub>, G<sup>3</sup>/<sub>8</sub>, G<sup>1</sup>/<sub>2</sub>, G<sup>3</sup>/<sub>4</sub> to ISO 1179  
 Accepts ISO 228 (BS 2779) parallel or ISO 7 (BS 21) taper connectors

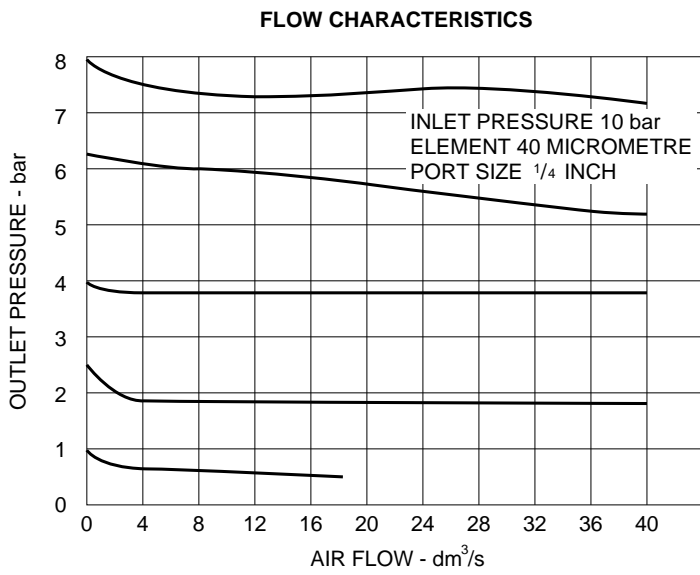
**Alternative Models**

Metal Bowl  
 Manual Drain  
 Other port thread forms  
 T-bar adjusting screw  
 'Compact' Polycarbonate Bowl with Manual Drain (G<sup>1</sup>/<sub>4</sub> and G<sup>3</sup>/<sub>8</sub> models only)

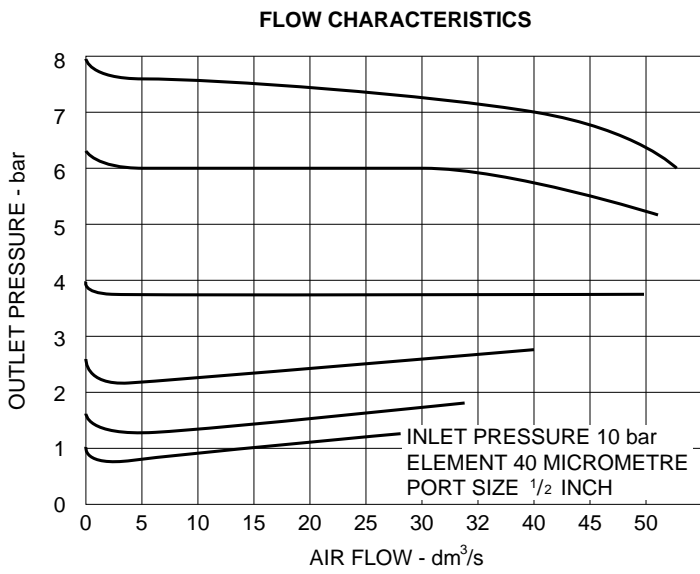




### Typical Performance Characteristics - G<sup>1</sup>/<sub>4</sub> and G<sup>3</sup>/<sub>8</sub>



### Typical Performance Characteristics - G<sup>1</sup>/<sub>2</sub>





## Standard Filter-Regulators - G $\frac{1}{4}$ and G $\frac{3}{8}$

Automatic Drain, 40  $\mu$ m element, 10 bar spring

Type	Port Size	Relieving	Weight kg	Non-relieving	Weight kg
Transparent Polycarbonate bowl	G $\frac{1}{4}$	<b>B11-200-A3MD</b>	0,98	<b>B11-222-A3MD</b>	0,98
	G $\frac{3}{8}$	<b>B11-300-A3MD</b>	0,97	<b>B11-322-A3MD</b>	0,97
Orientable Metal bowl	G $\frac{1}{4}$	<b>B11-296-A3MD</b>	1,28	<b>B11-298-A3MD</b>	1,28
	G $\frac{3}{8}$	<b>B11-396-A3MD</b>	1,27	<b>B11-398-A3MD</b>	1,27

Manual Drain, 40  $\mu$ m element, 10 bar spring

Type	Port Size	Relieving	Weight kg	Non-relieving	Weight kg
Transparent Polycarbonate bowl	G $\frac{1}{4}$	<b>B11-200-M3MD</b>	0,97	<b>B11-222-M3MD</b>	0,97
	G $\frac{3}{8}$	<b>B11-300-M3MD</b>	0,95	<b>B11-322-M3MD</b>	0,95
Orientable Metal bowl	G $\frac{1}{4}$	<b>B11-296-M3MD</b>	1,25	<b>B11-298-M3MD</b>	1,25
	G $\frac{3}{8}$	<b>B11-396-M3MD</b>	1,20	<b>B11-398-M3MD</b>	1,20

## Standard Filter-Regulators - G $\frac{1}{2}$

Automatic Drain, 40  $\mu$ m element, 10 bar spring

Type	Port Size	Relieving	Weight kg	Non-relieving	Weight kg
Transparent Polycarbonate bowl	G $\frac{1}{2}$	<b>B11-400-A3MD</b>	0,82	<b>B11-422-A3MD</b>	0,82
Orientable Metal bowl	G $\frac{1}{2}$	<b>B11-424-A3MD</b>	0,95	<b>B11-426-A3MD</b>	0,95

Manual Drain, 40  $\mu$ m element, 10 bar spring

Type	Port Size	Relieving	Weight kg	Non-relieving	Weight kg
Transparent Polycarbonate bowl	G $\frac{1}{2}$	<b>B11-400-M3MD</b>	0,80	<b>B11-422-M3MD</b>	0,80
Orientable Metal bowl	G $\frac{1}{2}$	<b>B11-424-M3MD</b>	0,94	<b>B11-426-M3MD</b>	0,94

## Non-standard Models

For optional 5  $\mu$ m or 25  $\mu$ m elements, substitute '1' or '2' respectively for '3' at the 8<sup>th</sup> digit, e.g. B11-200-A1MD.

For optional 4 or 16 bar springs, substitute 'F' or 'S' respectively for 'M' at the 9<sup>th</sup> digit, e.g. B11-200-A3FD (16 bar spring only available with T-bar adjusting screw and metal bowl).

For optional T-bar adjusting screw, substitute '0' for '1' at the 2<sup>nd</sup> digit, e.g. B01-200-A3MD.

For optional 'Compact' Transparent bowl models and other options, please consult our Technical Service.

## Accessories

Wall Mounting Bracket Kit, see page 8.7.061.06.

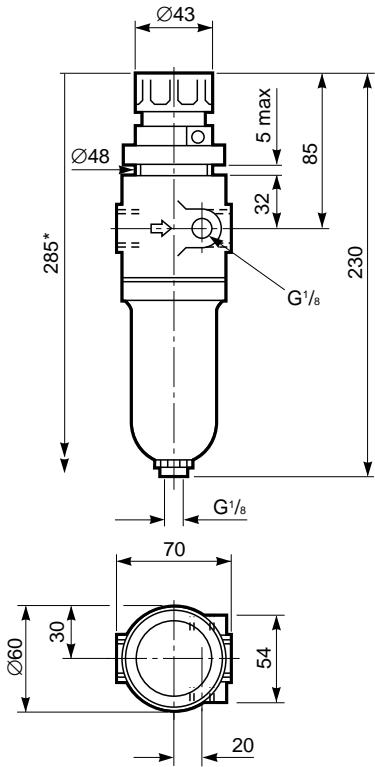
Pressure Gauges, see page 8.11.031.01.

Bowl Guard Kits for standard length Transparent bowls, reference 18-012-985 for Automatic Drain models or 18-012-984 for Manual Drain models.

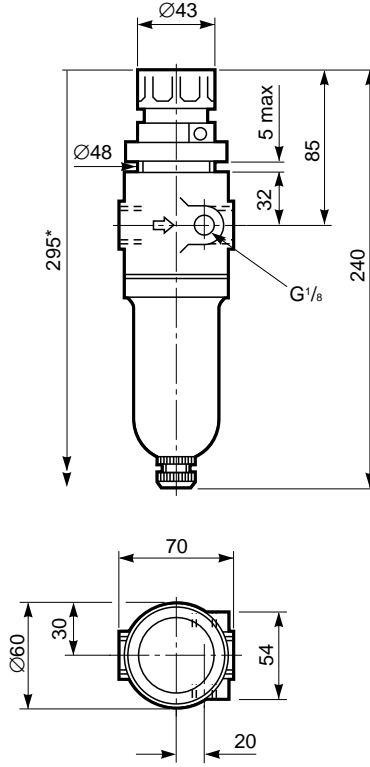


### Transparent Polycarbonate Bowl - G<sup>1/4</sup> and G<sup>3/8</sup>

Automatic Drain

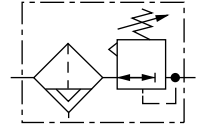


Manual Drain

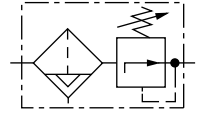


#### Automatic Drain

- Relieving  
 B11-200-A3MD G<sup>1/4</sup>  
 B11-300-A3MD G<sup>3/8</sup>

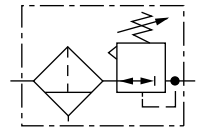


- Non-relieving  
 B11-222-A3MD G<sup>1/4</sup>  
 B11-322-A3MD G<sup>3/8</sup>

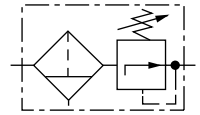


#### Manual Drain

- Relieving  
 B11-200-M3MD G<sup>1/4</sup>  
 B11-300-M3MD G<sup>3/8</sup>



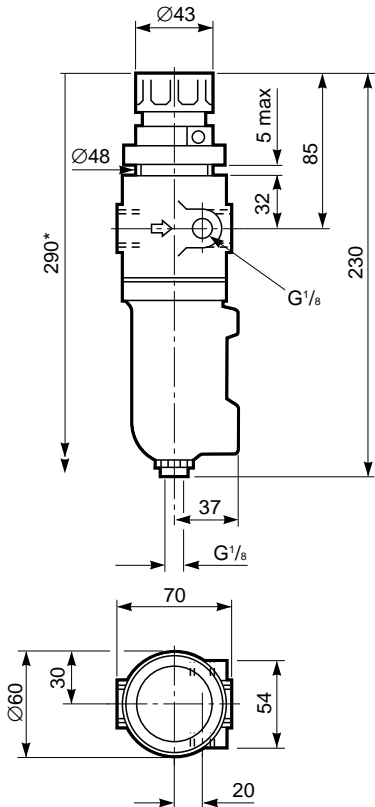
- Non-relieving  
 B11-222-M3MD G<sup>1/4</sup>  
 B11-322-M3MD G<sup>3/8</sup>



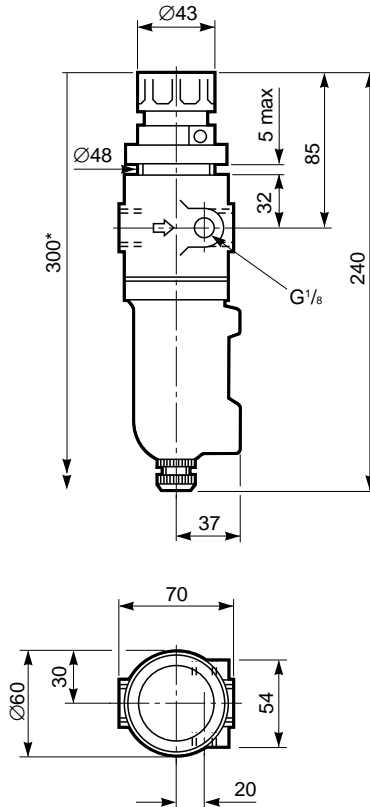
\*Minimum clearance required to remove bowl from body.

### Orientable Metal Bowl - G<sup>1/4</sup> and G<sup>3/8</sup>

Automatic Drain

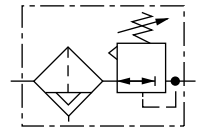


Manual Drain

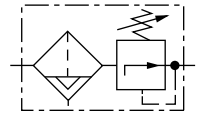


#### Automatic Drain

- Relieving  
 B11-296-A3MD G<sup>1/4</sup>  
 B11-396-A3MD G<sup>3/8</sup>

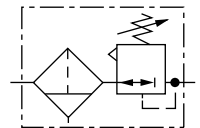


- Non-relieving  
 B11-298-A3MD G<sup>1/4</sup>  
 B11-398-A3MD G<sup>3/8</sup>

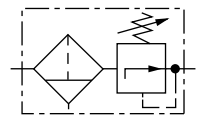


#### Manual Drain

- Relieving  
 B11-296-M3MD G<sup>1/4</sup>  
 B11-396-M3MD G<sup>3/8</sup>



- Non-relieving  
 B11-298-M3MD G<sup>1/4</sup>  
 B11-398-M3MD G<sup>3/8</sup>



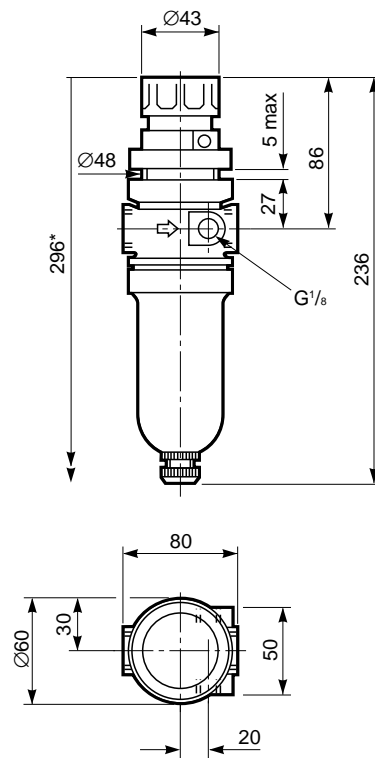
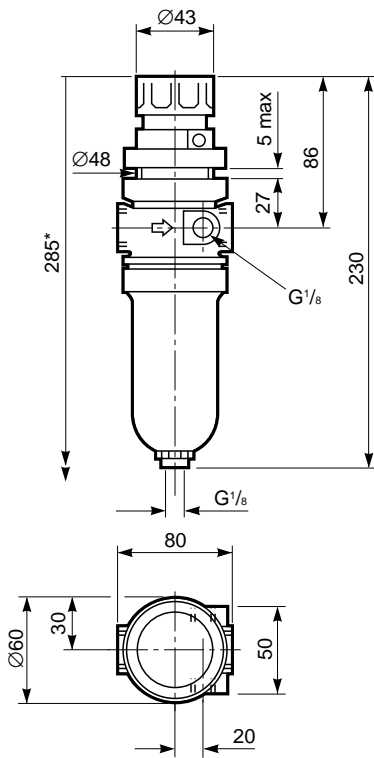
\*Minimum clearance required to remove bowl from body.



## Transparent Polycarbonate Bowl - G $\frac{1}{2}$

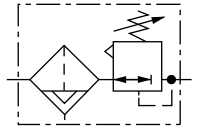
Automatic Drain

Manual Drain

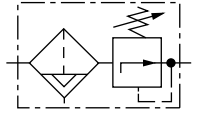


**Automatic Drain**

Relieving  
B11-400-A3MD G $\frac{1}{2}$

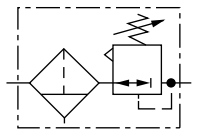


Non-relieving  
B11-422-A3MD G $\frac{1}{2}$

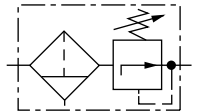


**Manual Drain**

Relieving  
B11-400-M3MD G $\frac{1}{2}$



Non-relieving  
B11-422-M3MD G $\frac{1}{2}$

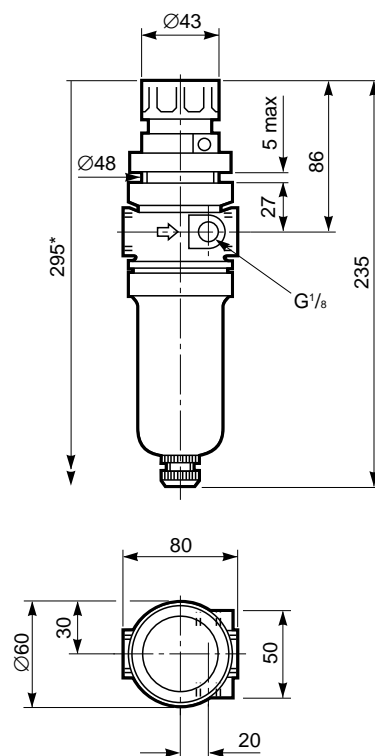
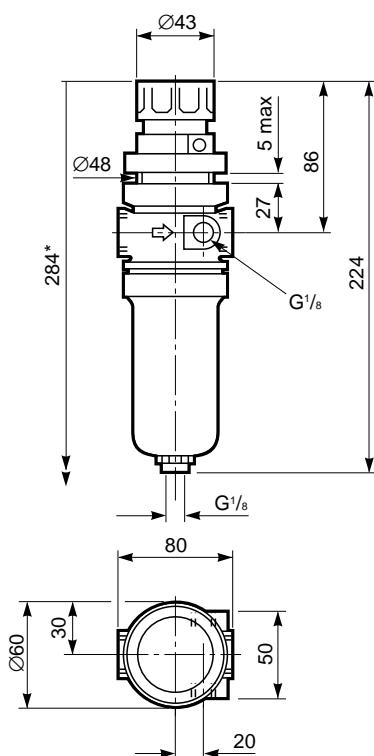


\*Minimum clearance required to remove bowl from body.

## Metal Bowl - G $\frac{1}{2}$

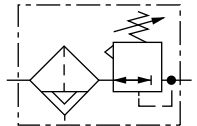
Automatic Drain

Manual Drain

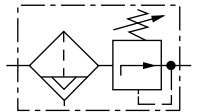


**Automatic Drain**

Relieving  
B11-424-A3MD G $\frac{1}{2}$

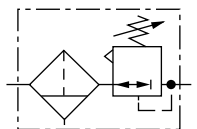


Non-relieving  
B11-426-A3MD G $\frac{1}{2}$

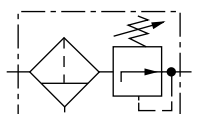


**Manual Drain**

Relieving  
B11-424-M3MD G $\frac{1}{2}$



Non-relieving  
B11-426-M3MD G $\frac{1}{2}$



\*Minimum clearance required to remove bowl from body.



### Bracket Mounting

G<sup>1</sup>/<sub>4</sub>, G<sup>3</sup>/<sub>8</sub>

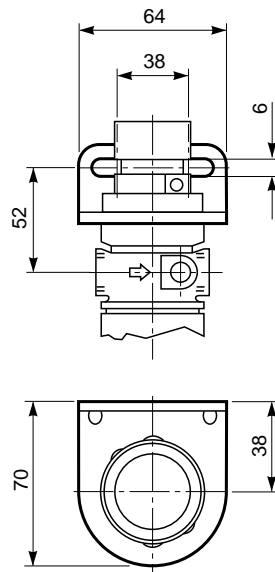
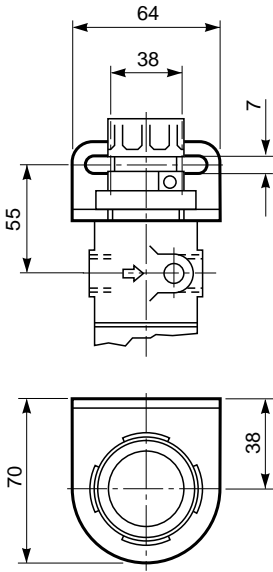
G<sup>1</sup>/<sub>2</sub>

#### Bracket reference:

G<sup>1</sup>/<sub>4</sub> 5203-05

G<sup>3</sup>/<sub>8</sub> 5203-05

G<sup>1</sup>/<sub>2</sub> 18-001-990



### Spares Kits

Repair Kits include standard 40 µm element. For other elements please specify.

#### G<sup>1</sup>/<sub>4</sub> and G<sup>3</sup>/<sub>8</sub>

Type	Drain	Gasket Kit	Repair Kit
Relieving	Automatic	B11-GK	B11-100R
	Manual	B11-GK	B11-100R
Non-relieving	Automatic	B11-GK	B11-100NR
	Manual	B11-GK	B11-100NR

Automatic Drain Kit available, reference 3000-97. Can be used to convert Manual Drain models to Automatic Drain.

#### G<sup>1</sup>/<sub>2</sub>

Type	Drain	Gasket Kit	Repair Kit
Relieving	Automatic	B11-GK	B11-100R
	Manual	B11-GK	B11-100R
Non-relieving	Automatic	B11-GK	B11-100NR
	Manual	B11-GK	B11-100NR

Automatic Drain Kit available, reference 3000-04. Can be used to convert Manual Drain models to Automatic Drain.

### 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 MARTONAIR.

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.