

- > **Port size:**  
1/8 ... 1/2" (ISO G)
- > **Predefined options**  
provide ease of  
ordering
- > **Flexible configurations**



### Technical features

**Medium:**

Compressed air

**Maximum operating pressure:**

10 bar (145 psi)

**Flow:**

56,7 l/s max., at port size 1/2",  
operating pressure 6,3 bar and  
1 bar pressure drop.

**Filter element:**

5 µm

**Port size:**

G1/8, G1/4, G3/8, G1/2

**Bowl capacity:**

G1/8 & G1/4: 12 ml  
G3/8 & G1/2: 45 ml

**Drain type:**

Manual, Semi automatic,  
Automatic

**Ambient/Media temperature:**


0 ... +60°C (+32 ... +140°F)

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

**Materials:**

G1/8 & G1/4 Body:  
Polyamide  
G3/8 & G1/2 Body:  
Die casting Aluminum  
Bowl: Transparent PC  
Bowl cover: Polyamide  
Elastomers: Nitrile

### Technical data - standard models

Symbol	Port size	Flow rate (l/s)	Weight (kg)	Bowl	Model		
					Automatic	Semi automatic	Manual
	G1/8	10	0,09	Transparent without guard	-	F49G-1GN-ST1	F49G-1GN-MT1
	G1/4	15	0,09	Transparent without guard	-	F49G-2GN-ST1	F49G-2GN-MT1
	G3/8	25	0,30	Transparent with guard	F49-3GN-AW1	F49G-3GN-SW1	F49G-3GN-MW1
	G1/2	50	0,28	Transparent with guard	F49-4GN-AW1	F49G-4GN-SW1	F49G-4GN-MW1

### Option selector

F49G-★ ★ ★ ★ ★ ★ ★ ★

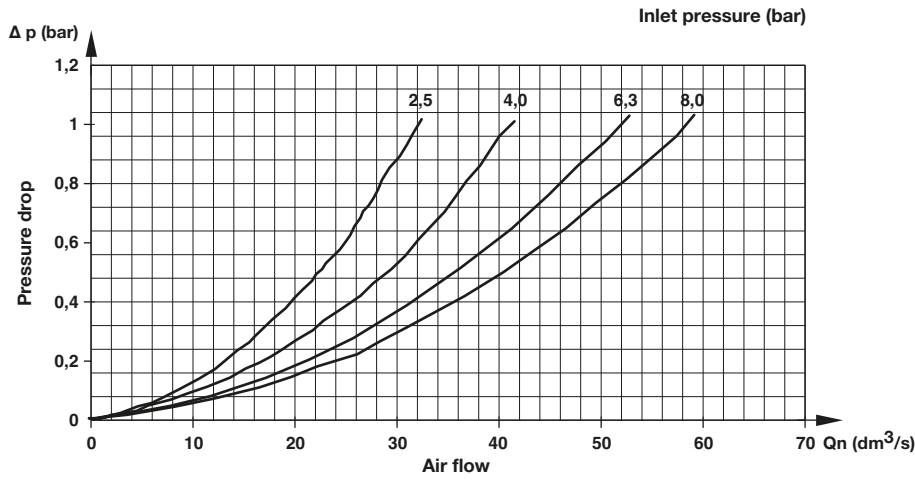
<b>Port size</b>	<b>Substitute</b>	←	→	<b>Filter element</b>	<b>Substitute</b>
1/8"	1			5 µm (Standard)	1
1/4"	2			<b>Bowl</b>	<b>Substitute</b>
3/8"	3			Transparent without guard *1)	T
1/2"	4			Transparent with guard *2)	W
<b>Thread form</b>	<b>Substitute</b>	←	→	<b>Drain</b>	<b>Substitute</b>
ISO G	G			Semi automatic drain	S
<b>Service life indicator</b>	<b>Substitute</b>	←	→	Manual drain	M
Without (Standard)	N			Automatic drain *2)	A

\*1) For G1/8 & G1/4 only

\*2) For G3/8 & G1/2 only

### Flow characteristics

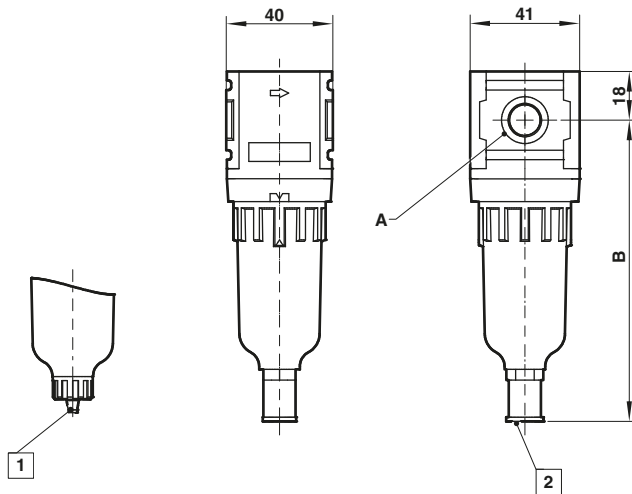
Element 5 µm  
Port size 1/2"



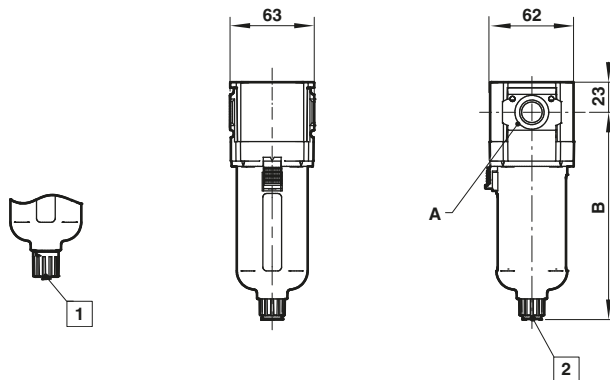
### Accessories

	<b>C Bracket</b>	<b>Filter bowl</b>	<b>Element</b>
			
<b>Port size</b>	<b>Page 4</b>		
G1/8 & G1/4	49B-021	49B-FB11 (Manual) 49B-FB12 (Semi automatic)	49B-E11 49B-E13
G3/8 & G1/2	49B-022	49B-FB21 (Manual) 49B-FB22 (Semi automatic) 49B-FB23 (Automatic)	49B-E21 49B-E23

**Dimensions**
**G1/8 & G1/4**

 Dimensions in mm  
 Projection/Third angle


- 1 Manual drain can insert ID  $\varnothing$  4 PU tube at drain outlet.
- 2 Semi-auto drain can insert OD  $\varnothing$  6 PU tube at drain outlet.

**G3/8 & G1/2**


- 1 Manual drain or automatic drain can insert ID  $\varnothing$  5,5 PU tube at drain outlet.
- 2 Semi-auto drain can insert OD  $\varnothing$  8 PU tube at drain outlet.

Port size (A)	B	Model
G1/8	113,5	F49G-1GN-ST1
G1/8	105,5	F49G-1GN-MT1
G1/4	113,5	F49G-2GN-ST1
G1/4	105,5	F49G-2GN-MT1
G3/8	158	F49G-3GN-SW1
G3/8	157	F49G-3GN-MW1
G3/8	157	F49G-3GN-AW1
G1/2	158	F49G-4GN-SW1
G1/2	157	F49G-4GN-MW1
G1/2	157	F49G-4GN-AW1

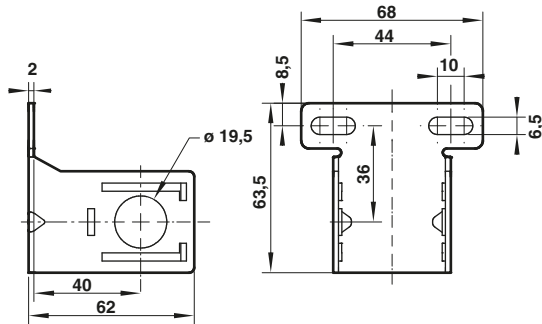
Accessories

Dimensions in mm  
Projection/Third angle



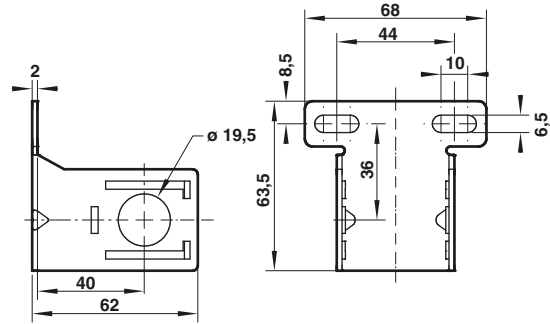
C Bracket

49B-021



C Bracket

49B-022



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 features/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 IMI Precision Engineering, Norgren Co. Ltd.

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.