

B07

Miniature ported filter/regulator

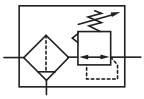
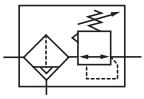
- Port size: G1/8 & G1/4
- Very compact unit
- High efficiency fluids and particle removal



Technical features

Medium: Compressed air only	Element: 5 or 40 µm	Drain: Manual or automatic	Materials: Body: Zinc alloy Bonnet: Acetal Bowl: Plastic or zinc alloy Filter element: Sintered PP Seals: NBR
Maximum inlet pressure: 10 bar (145 psi) Transparent bowl 17 bar (246 psi) Metal bowl	Flow: see below	Ambient/Media temperature: Transparent bowl -34 ... +50°C (-29 ... +122°F) Metal bowl -34 ... +65°C (-29 ... +149°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	
Pressure range: 0,3 ... 7 bar (4 ... 101 psi), 0,3 ... 3,5 bar (4 ... 50 psi), 0,1 ... 0,7 bar (1 ... 10 psi), 0,3 ... 10 bar (4 ... 145 psi)	Port sizes: G1/8 or G1/4 Rc1/8 (Gauge)		
	Bowl: 31 ml		

Technical data, standard models with relieving

Symbol	Port size	Pressure range (bar)	Element (µm)	Flow *1) (dm ³ /s)	Drain	Bowl	Weight (kg)	Model
	G1/8	0,3 ... 7	40	6,2	Manual	Plastic	0,26	B07-101-M3KG
	G1/4	0,3 ... 7	40	6,5	Manual	Plastic	0,26	B07-201-M3KG
	G1/8	0,3 ... 7	40	6,2	Automatic	Plastic	0,26	B07-101-A3KG
	G1/4	0,3 ... 7	40	6,5	Automatic	Plastic	0,26	B07-201-A3KG

*1) Flow at inlet pressure 10 bar (145 psi), outlet pressure 6,3 bar (91 psi) and pressure drop 1 bar (14 psi)

Option selector

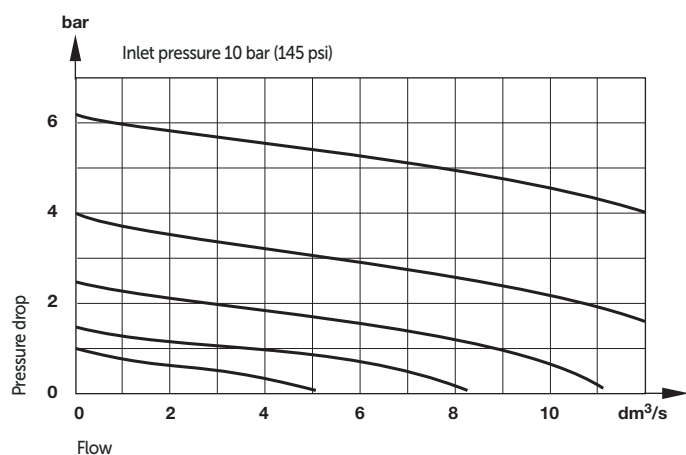
B07-★★★★-★★★★			
Port size	Substitute	Thread	Substitute
1/8"	1	PTF	A
1/4"	2	ISO G	G
Bowl/Option	Substitute	Pressure range (bar) *1)	Substitute
Plastic/relieving	01	0,1 ... 0,7	A
Plastic/non-relieving	03	0,3 ... 3,5	E
Metal/relieving	33	0,3 ... 7	K
Metal/non-relieving	35	0,3 ... 10	M *2)
Metal/relieving	05 *2)	Element (µm)	Substitute
Metal/non-relieving	07 *2)	5	1
		40	3
		Drain	Substitute
		Automatic	A
		Manual	M

*1) 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.

*2) When specifying 10 bar (145 psi) unit, eg. B07-205-A3MG, also note correct code at 5th, 6th and 9th digits.

Flow characteristics

Port size 1/4", 40 µm Element, Pressure range 0,3 ... 7 bar



Accessories



Service kit

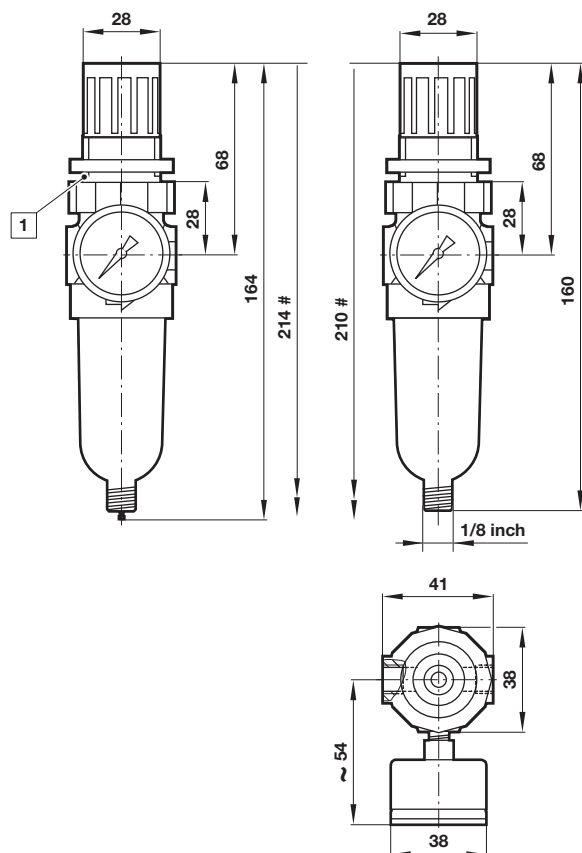


Wall mounting bracket and panel nut	Panel nut	Tamper resistant field modification	Gauge ø 40 mm
			
1 4	4	3	6
18-025-003 (with plastic nut)	2962-04 (Metal)	18-001-092	18-015-990 (0 ... 4 bar)
18-025-004 (with metal nut)	2962-89 (Plastic)		18-015-989 (0 ... 10 bar)

Dimensions

Manual drain

Automatic drain

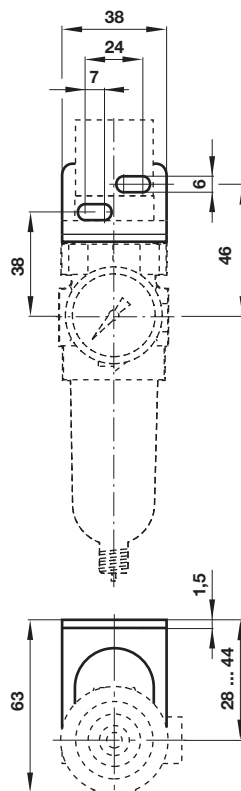


Minimum clearance required to remove bowl

1 Panel mounting hole Ø 31 mm

Bracket mounting

Dimensions in mm
Projection/First angle



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 Norgren 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.