

B07 Ported filter-regulator G1/8 & G1/4

Very compact unit
High efficiency fluids and particle removal



Technical features

Medium::
Compressed air only
Maximum inlet pressure:
10 bar (Transparent bowl)
17 bar (Metal bowl)
Pressure range:
0,3 ... 7 bar, 0,3 ... 3,5 bar,
0,1 ... 0,7 bar, 0,3 ... 10 bar
Element:
5 or 40 µm

Flow:
see below
Port sizes:
G1/8 or G1/4
Rc1/8 (Gauge)
Bowl:
31 ml

Drain:
Manuel or automatic
Operating temperature:
-34 ... +50°C (Transparent bowl)
-34 ... +65°C (Metal bowl)
Air supply must be dry enough
to avoid ice formation at
temperatures below +2°C

Materials:
Body: Zinc alloy
Bonnet: Acetal
Bowl: Plastic or zinc alloy
Filter element: Sintered PE
Seals: NBR

Technical data, standard models with relieving

Symbol	Port size	Pressure range (bar)	Element (µm)	Flow *1) (dm³/s)	Drain	Bowl	Weight (kg)	Model
	G1/8	0,3 ... 7	40	6,2	Manuel	Plastic	0,26	B07-101-M3KG
	G1/4	0,3 ... 7	40	6,5	Manuel	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, outlet pressure 6,3 bar and pressure drop 1 bar

Option selector

Port size	Substitute
1/8"	1
1/4"	2
Bowl/Option	Substitute
Plastic/relieving	01
Plastic/non-relieving	03
Metal/relieving	33
Metal/non-relieving	35
Metal/relieving	05 *2)
Metal/non-relieving	07 *2)

*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.

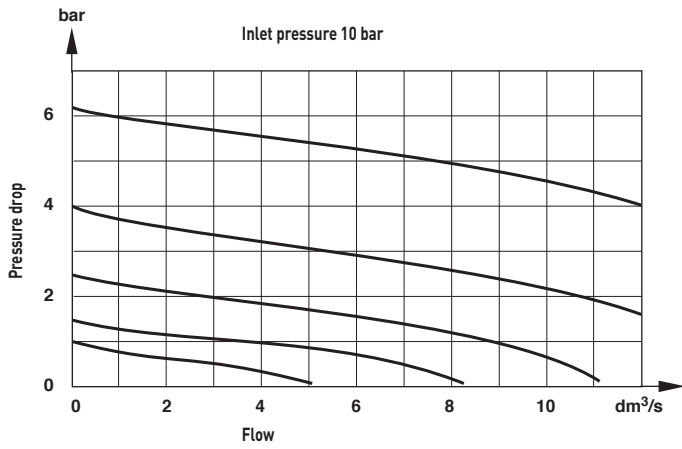
*2) When specifying 10 bar unit, eg. B07-205-A3MG, also note correct code at 5th, 6th and 9th digits.

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Thread	Substitute
PTF	A
ISO G	G
Pressure range (bar) *1)	Substitute
0,1 ... 0,7	A
0,3 ... 3,5	E
0,3 ... 7	K
0,3 ... 10	M *2)
Element (µm)	Substitute
5	1
40	3
Drain	Substitute
Automatic	A
Manuel	M

Flow characteristics

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







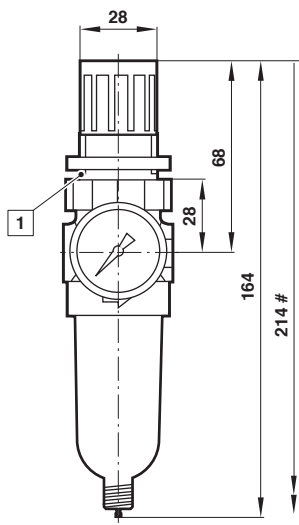
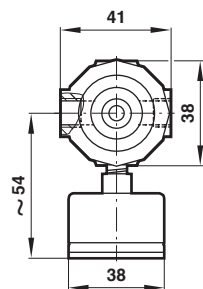
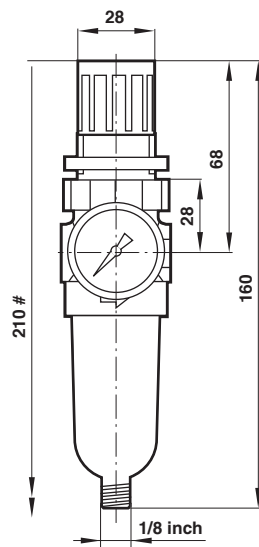
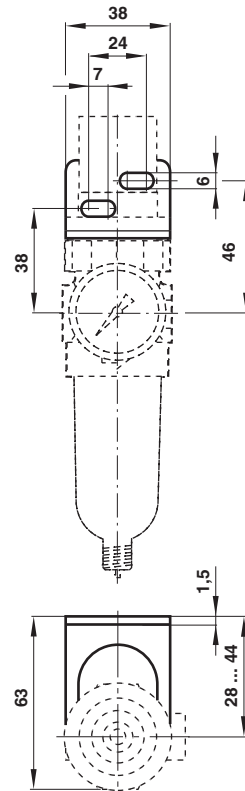
Accessories



Service kit

	Manuel drain	Automatic drain
40 µm:	B07-KITM40R	B07-KITA40R
5 µm:	B07-KITM05R	B07-KITA05R

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) 18-025-004 (with metal nut)	2962-04 (Metal) 2962-89 (Plastic)	18-001-092	18-013-990 (0 ... 4 bar) 18-013-989 (0 ... 10 bar)

Dimensions
Manuel drain

Automatic drain

Bracket mounting


Minimum clearance required to remove bowl

1 Panel mounting hole Ø 31 mm

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where values 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.

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.