- **Port size: 1/4 PTF**
- **Designed for use in corrosive environments**
- **Adjusting knob has snap-action lock**
- **Applications include marine environment, oil and gas production, chemical and industrial compressed air systems**
- **Metallic parts meet NACE***

* National Association of Corrosion Engineers (NACE) MR-01-75) defines requirements for sulphide stress cracking resistant materials used in well-head and other corrosive environments.

Technical features

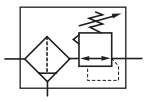
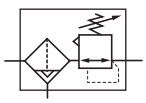
Medium:
Compressed air or neutral gases
Other media on request
Operating pressure:
20 bar max (290 psi)
Pressure range:
0,3 ... 8,5 bar (4 ... 123 psi),
0,3 ... 3,5 bar (4 ... 50 psi)

Element:
5 or 40 µm
Diaphragm:
Relieving or non-relieving
Typical flow:
see below
Gauge ports:
1/8 PTF

Ambient/Media temperature:
Actetal bonnet
-25 ... 66°C (-13 ...+150 °F)
T-handle
-25 ... 80°C (-13 ...+176 °F)
-40°C (-40 °F) version on request
Air supply must be dry enough to avoid ice formation at temperatures below 2°C (+35 °F).

Materials:
Body, valve and bowl: 1.4104 (316) stainless steel
Bonnet: 1.4104 (316) stainless steel with T-handle or Acetal adjusting knob
Valve seat: Acetal
Springs: 1.4319 (302) stainless steel
Drain: stainless steel or Acetal
Element: sintered PE
Elastomers: FPM, automatic drain NBR

Technical data, standard models

Symbol	Port size	Pressure range (bar)	Flow * (dm^3/s)	Diaphragm	Element (µm)	Bonnet type	Drain type (material)	Weight (kg)	Model
	1/4 PTF	0,3 ... 8,5	7	Relieving	5	Knob (Acetal)	Manual (Acetal)	0,38	B05-233-M1LA
	1/4 PTF	0,3 ... 8,5	7	Relieving	5	T-handle (stainless steel)	Manual (stainless steel)	0,54	B05-238-M1LA
	1/4 PTF	0,3 ... 8,5	7	Relieving	5	Knob (Acetal)	Automatic (stainless steel)	0,38	B05-233-A1LA

* Flow with 5 µm element, 10 bar inlet pressure, 6,3 bar set pressure and 1 bar droop form set.

Option selector

B05-2★★-★★★A

Bonnet	Substitute
Relieving, acetal knob	33
Non relieving, acetal knob	35
Relieving, stainless steel T-handle	38 *1)
Non-relieving, stainless steel T-handle	41 *1)
Drain	**Substitute**
Automatic (stainless steel)	A
Manual (Acetal)	M

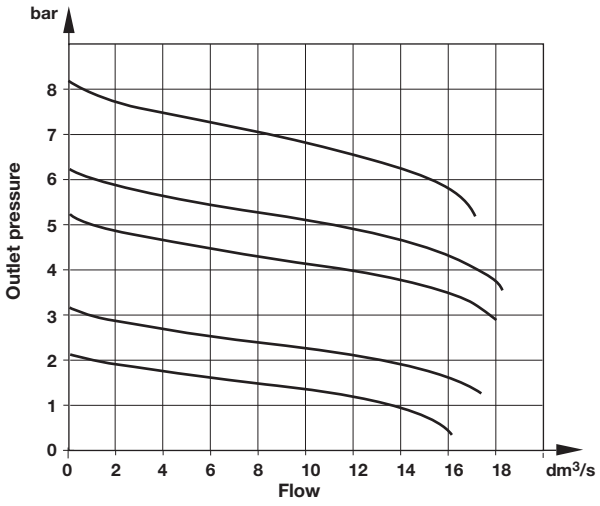
*1) Options 38 and 41 have stainless steel manual drains as standard.

Outlet pressure adjustment ranges *	Substitute
0,3 ... 3,5 bar	E
0,3 ... 8,5 bar	L
Element	**Substitute**
5 µm	1
40 µm	2

* 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.

Air flow characteristics

B05 – Port size: 1/4 PTF, inlet pressure: 12 bar, pressure range: 0,3 ... 8,5 bar, 5 µm element



Accessories

Panel nut	Gauge, 0 ... 10 bar, Ø 40 mm, Port size: 1/8 PTF
	
2962-89 (Acetal)	18-013-844 *1)

*1) Stainless steel items not strictly to NACE standard MR-01-75.

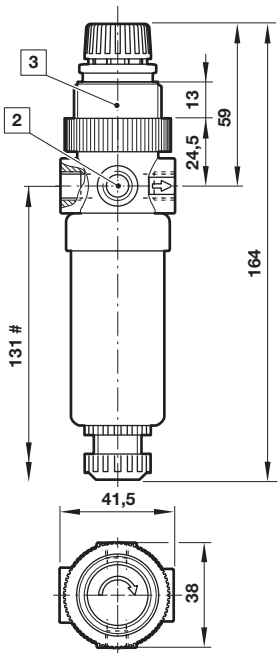
Spares kit

Service kit

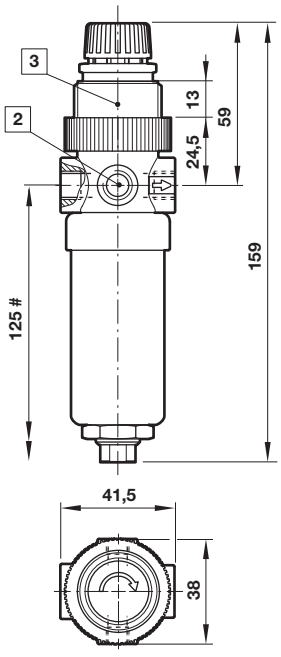
3820-08 (relieving)
3820-09 (non-relieving)

Dimensions in mm
Projection/First angle

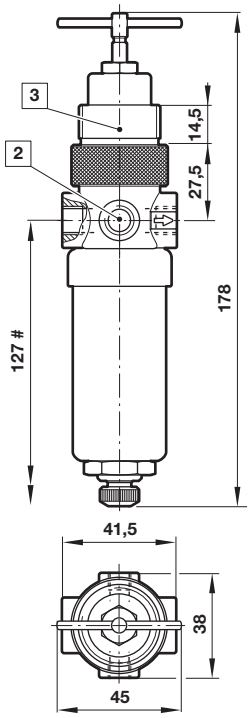
Filter/Regulator with Acetal knob and manual drain



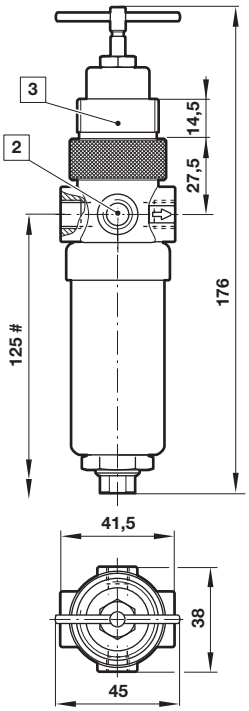
Filter/Regulator with Acetal knob and automatic drain



Filter/Regulator with stainless steel T-handle and manual drain



Filter/Regulator with stainless steel T-handle and automatic drain



Minimum clear distance required to remove bowl.

2 Gauge port: 1/8 PTF, standard units are shipped with two plugs for sealing gauge ports.

3 Panel mounting hole diameter 30 mm, Panel thickness 0 ... 6 mm

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 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.