

> **Compact design**



**Technical features**

**Fluid:**

Compressed air

**Maximum pressure:**

10 bar (145 psi) Transparent bowl  
17 bar (246 psi) Metal bowl

**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)

**Filter element:**

5 or 40 µm

**Port size:**

G1/8 or G1/4

Rc1/8 (Gauge)

**Bowl:**

31 ml

**Flow:**

Start point 0,24 dm³/s  
see below

**Drain:**

Manual or automatic

**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).

**Materials:**

Body: Zinc alloy

Bonnet: Acetal (Regulator)

Knob: Acetal

Bowl: Plastic or Zinc alloy

Filter element: Sintered PE

Valve: Brass

Sight dome: PA

Seals: NBR

**Technical data, standard model - relieving**

Symbol	Port size	Pressure range (bar)	Filter element (µm)	Flow *1) (dm³/s)	Drain	Bowl	Gauge	Weight (kg)	Model
	G1/8	0,3 ... 7	40	3	Manual	Plastic	Standard	0,35	P1H-100-M3QG
	G1/4	0,3 ... 7	40	3	Manual	Plastic	Standard	0,35	P1H-200-M3QG
	G1/8	0,3 ... 7	40	3	Automatic	Plastic	Standard	0,35	P1H-100-A3QG
	G1/4	0,3 ... 7	40	3	Automatic	Plastic	Standard	0,35	P1H-200-A3QG

\*1) Approximate flow at 7 bar (101psi) inlet pressure, 6,3 bar (91 psi) set pressure and a droop of 1 bar (14 psi) from set.

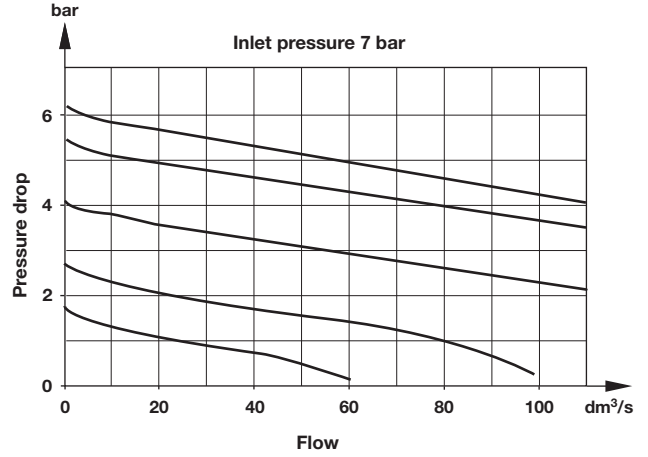
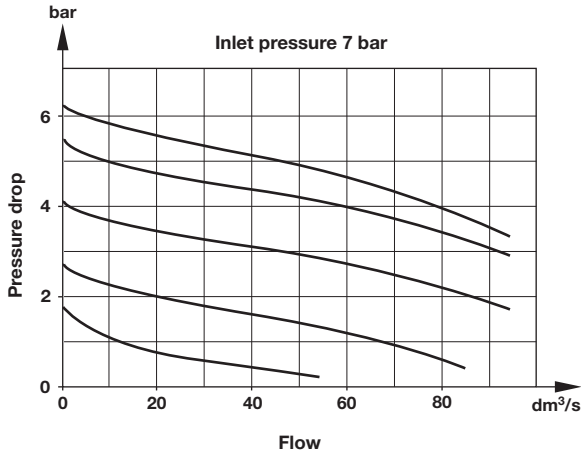
**Options selector**

**P★H-★★★★★★**

<b>Integral Wall Bracket</b>	<b>Substitute</b>					<b>Threads</b>	<b>Substitute</b>
Without	<b>1</b>					PTF	<b>A</b>
With	<b>T</b>					ISO G	<b>G</b>
<b>Port Size</b>	<b>Substitute</b>					<b>Lubricator reservoir</b>	<b>Substitute</b>
1/8"	<b>1</b>					Plastic with drain	<b>A</b>
1/4"	<b>2</b>					Plastic without drain	<b>Q</b>
<b>Bowl/Pressure range/Gauge</b>	<b>Substitute</b>					Metal with drain	<b>M</b>
Plastic/0,3 ... 7 bar/with	<b>00</b>					<b>Element</b>	<b>Substitute</b>
Plastic/0,3 ... 7 bar/without	<b>01</b>					5 µm	<b>1</b>
Plastic/0,3 ... 3,5 bar/without	<b>04</b>					40 µm	<b>3</b>
Plastic/0,3 ... 3,5 bar/with	<b>05</b>					<b>Drain</b>	<b>Substitute</b>
Metal/0,3 ... 7 bar/wi h	<b>40</b>					Automatic	<b>A</b>
Metal/0,3 ... 7 bar/wi hout	<b>41</b>					Manual	<b>M</b>
Metal/0,3 ... 3,5 bar/without	<b>44</b>						
Metal/0,3 ... 3,5 bar/with	<b>45</b>						

**Flow characteristics**

Port size 1/4", 40 µm Filter element, pressure range 0,3 ... 7 bar



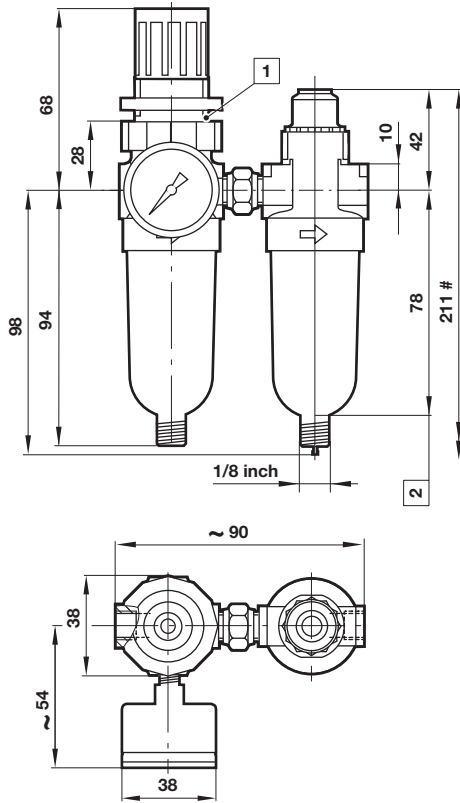
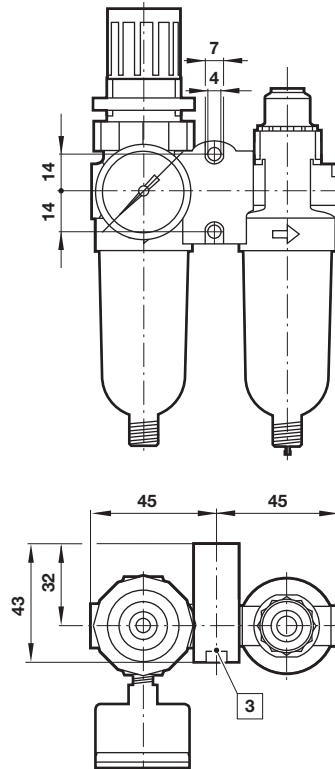
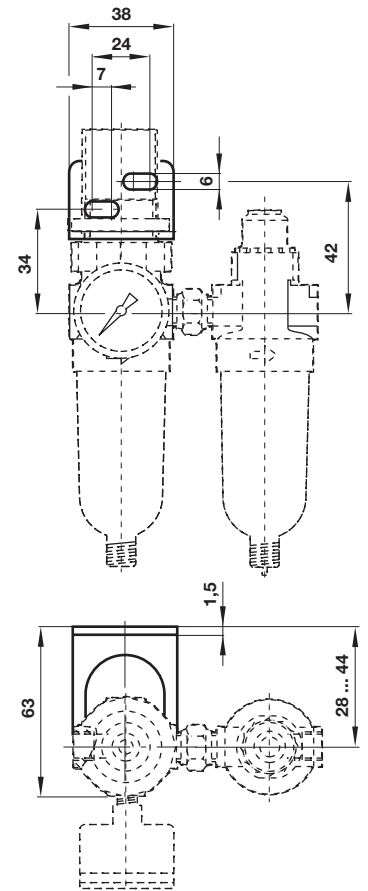
**Accessories**



**Service kit**



Wall mounting bracket and panel nut	Panel nut	Tamper resistant field modification	Wall mounting bracket	Tamper resistant seal wire for lubricator	Gauge Ø 40 mm
 1 & 4	 4	 3	 7	 2117-01	 6
18-025-003 (with plastic nut) 18-025-004 (with metal nut)	2962-04 (Metal) 2962-89 (Plastic)	18-001-092	6700-30		18-013-990 (0 ... 4 bar) 18-013-989 (0 ... 10 bar)

**Dimensions**  
**P1H-...**

**PTH-...**

**Wall mounting bracket**


# Minimum clearance required to remove bowl  
 1 Ø31 mm for panel mounting

**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.