

- > Port size: 3/8" ... 3/4" (ISO G/PTF)
- > Unique Quikclamp connection system offers full modularity
- > 40 micron particle and high efficiency water removal (> 98%)
- > Double safety lock on bowl
- > Integrated gauge
- > Shut off valve, Regulator & Filter Regulator with tamper resistance feature.
- > Metal bowl with prismatic liquid level indicator
- > Light weight polycarbonate bowl
- > Easy to read flush mounted integrated pressure gauge as standard
- > All round (360°) visibility of sightdome for ease of drip rate setting



### Technical features

#### Medium:

Compressed air only

#### Maximum supply pressure:

Polycarbonate bowl: 10 bar (145 psi)

Metal bowl: 20 bar (290 psi)

#### Outlet pressure ranges:

0,3 ... 10 bar (4 ... 145 psi),

#### Filter element:

40 µm

#### Port size:

G3/8, G1/2, G3/4,  
3/8 PTF, 1/2 PTF, 3/4 PTF

#### Gauge:

Integrated as standard

#### Diaphragm Type:

Relieving

#### Drain:

Manual or automatic

#### Automatic drain operating conditions (float operated):

Bowl pressure required to close drain: > 0,35 bar (5 psi)

Bowl pressure required to open drain: ≤ 0,2 bar (2.9 psi)

Minimum air flow required to close drain: 1 dm³/s (2 scfm)

#### Ambient/Media temperature:

Polycarbonate bowl:

-10 ... +60°C (+14 ... +140°F)

Metal bowl:

-20 ... +65°C (-4 ... +149°F)

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

#### Materials:

Body: Die cast aluminium

Body covers: ABS

Bonnet: Acetal

Valve: PP

Bowl: Transparent PC with PP guard or die cast aluminium

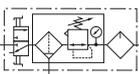
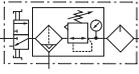
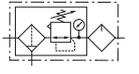
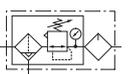
Liquid level indicator lens (metal bowl): PA

Filter element: sintered PP

Bowl 'o'- ring: Chloroprene

Elastomers: NBR

### Technical data BL84 - standard models

Symbol	Port size	Shut off valve	Drain	Lubricator type	Weight (kg)	Model *1)
	G3/8	With	Manual	Microfog	1,65	BL84-321G
	G1/2	With	Manual	Microfog	1,65	BL84-421G
	G3/4	With	Manual	Microfog	1,65	BL84-621G
	G3/8	With	Auto	Microfog	1,65	BL84-301G
	G1/2	With	Auto	Microfog	1,65	BL84-401G
	G3/4	With	Auto	Microfog	1,65	BL84-601G
	G3/8	Without	Manual	Microfog	1,15	BL84-325G
	G1/2	Without	Manual	Microfog	1,15	BL84-425G
	G3/4	Without	Manual	Microfog	1,15	BL84-625G
	G3/8	Without	Auto	Microfog	1,15	BL84-305G
	G1/2	Without	Auto	Microfog	1,15	BL84-405G
	G3/4	Without	Auto	Microfog	1,15	BL84-605G

\*1) All models shown here are supplied with integrated gauge applicable for flow direction left to right.

With flow direction right to left please use the online configurator [www.imi-precision.com/air-preparation-configurator](http://www.imi-precision.com/air-preparation-configurator) or contact IMI Norgren

**Option selector \*1)**

**BL84-★★★★**

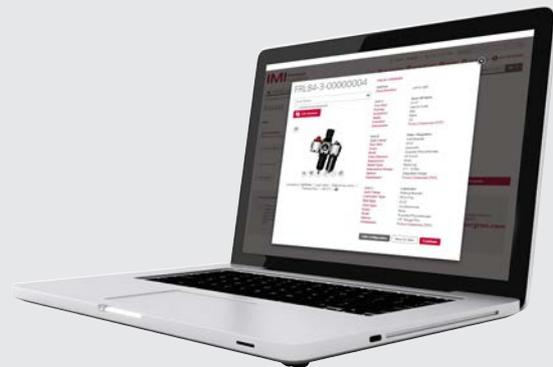
Port size	Substitute
3/8"	3
1/2"	4
3/4"	6
Units	Substitute
Filter/Regulator w. auto drain, Micro fog lubricator, Polycarbonate bowls	0
Filter/Regulator w. auto drain, Oil fog lubricator, Polycarbonate bowls	1
Filter/Regulator w. manual drain, Micro fog lubricator, Polycarbonate bowls	2
Filter/Regulator w. manual drain, Oil fog lubricator, Polycarbonate bowls	3
Filter/Regulator w. auto drain, Micro fog lubricator, Metal bowls	5
Filter/Regulator w. auto drain, Oil fog lubricator, Metal bowls	6
Filter/Regulator w. manual drain, Micro fog lubricator, Metal bowls	7
Filter/Regulator w. manual drain, Oil fog lubricator, Metal bowls	8

Thread form	Substitute
PTF	A
ISO G parallel (standard)	G
Accessories	Substitute
Shutt-off valve & gauge & brackets	1
Gauge & bracket	5

\*1) All models shown here are applicable for flow direction left to right. With flow direction right to left please use the online configurator [www.imi-precision.com/air-preparation-configurator](http://www.imi-precision.com/air-preparation-configurator) or contact IMI Norgren

**In addition to the standard box set units shown on this data sheet, further combinations can be configured using our online Air Preparation configurator:**

[www.imi-precision.com/air-preparation-configurator](http://www.imi-precision.com/air-preparation-configurator)



**Accessories**
**Quikclamp®**

**Page 7**

840014-51KIT

**Quikclamp®  
with bracket assembled**

**Page 7**

840014-52KIT

**Pressure sensing block  
1/4 PTF**

**Page 7**

840016-50KIT

**Pressure sensing block  
G1/4**

**Page 7**

840016-51KIT

**Integrated gauge  
10 bar gauge**


840073-01KIT

**Integrated gauge  
20 bar gauge**


840073-02KIT

**Gauge adaptor kit  
1/8 PTF**


840100-01KIT

**Gauge adaptor kit  
R 1/8**


840100-02KIT

**Full flow porting block  
3/4 PTF**

**Page 7**

840028-50KIT

**Full flow porting block  
G3/4**

**Page 7**

840028-53KIT

**Pressure switch interface  
block (18D pressure switch)**

**Page 8**

0337717000000000

**Pneumatic pressure switch  
18D (0,5 ... 8 bar) \*1)**

**Page 8**

0881300

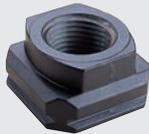
**Digital pressure switch  
51D (-1 ... 10 bar) \*2)**

**Page 8**

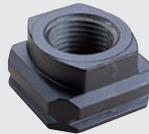
0860810

\*1) Flanged version. For other pressure ranges, please see data sheet 5.11.001

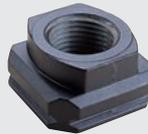
\*2) For other pressure ranges, please see data sheet 5.11.385

**Port Adaptors  
3/8 PTF**

**Page 8**

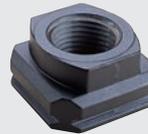
840015-02KIT

**Port Adaptors  
1/2 PTF**

**Page 8**

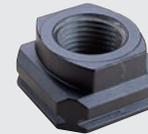
840015-03KIT

**Port Adaptors  
3/4 PTF**

**Page 8**

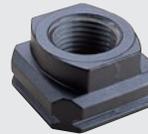
840015-04KIT

**Port Adaptors  
G3/8**

**Page 8**

840015-10KIT

**Port Adaptors  
G1/2**

**Page 8**

840015-11KIT

**Port Adaptors  
G3/4**

**Page 8**

840015-12KIT

**Padlock**
**Padlock**


840055-01KIT

**Lockout device**


840055-02KIT

**Silencer**
**Porous plastic silencer \*3)  
G1/4**


M/S2

**Plastic silencer \*3)  
G1/4**


0014600000000000

**Sinter bronze silencer \*3)  
1/4 PTF**


MS002A

\*3) Max. pressure of silencers listed in this data sheet : 10bar. For pressure higher than 10bar please contact IMI Norgren

**Maintenance/Service**

**Auto drain kit with metal Nut - Imperial**



6000-61KIT

**Auto drain kit with metal Nut - Metric**



6000-60KIT

**R84 / B84 Elastomer Kit**



FRLB84-KIT

**Filter cartridges 40 micron**



840038-51KIT

**Lubricator sight dome kit**



Micro fog (red)	840055-50KIT
Oil fog (green)	840055-51KIT

**Spare parts**

**Filter Bowl (Guarded Poly bowl with auto drain 6 mm PIF)**



840025-51KIT

**Filter Bowl (Guarded Poly bowl with manual drain)**



840025-50KIT

**Filter Bowl (Metal with S/Glass & auto drain, 6 mm PIF)**



840003-51KIT

**Filter Bowl (Metal with S/Glass & manual drain)**



840003-50KIT

**Filter Bowl (Guarded Poly bowl with auto drain, 1/4 PIF)**



840025-53KIT

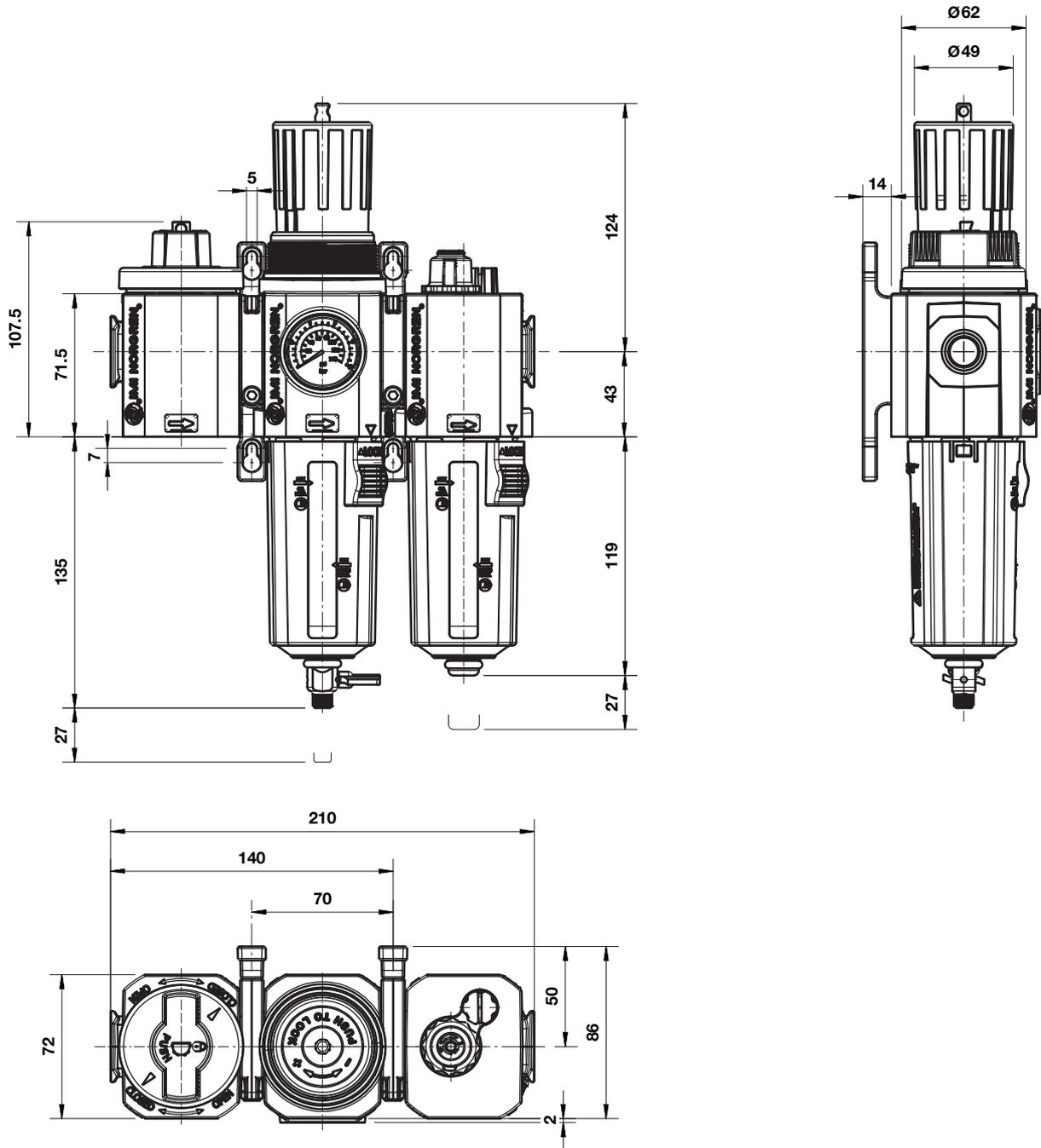
**Filter Bowl (Metal with S/Glass & auto drain, 1/4 PIF)**



840003-56KIT

**Dimensions**

 Dimensions in mm  
 Projection/Third angle

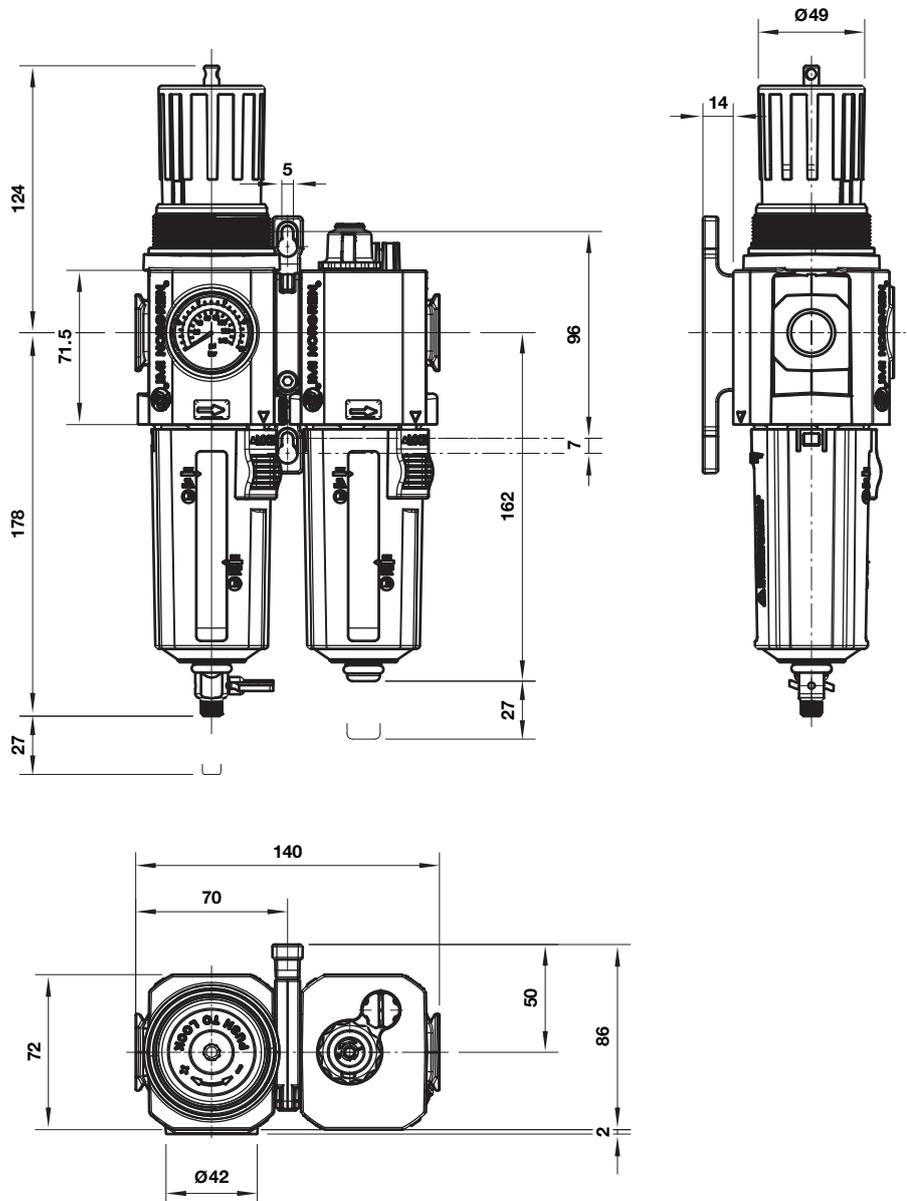
**Shut-off valve, Filterregulator and Lubricator**


Dimensions

Dimensions in mm  
Projection/Third angle

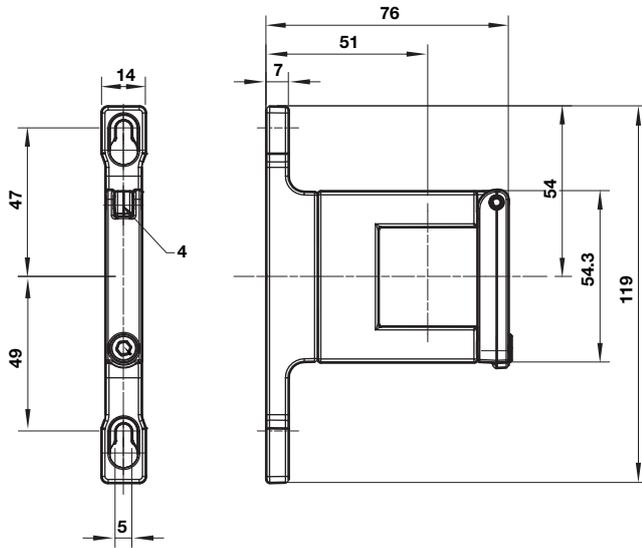
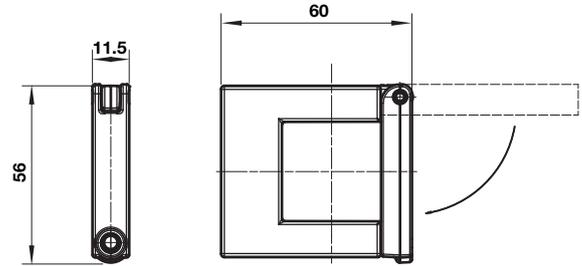
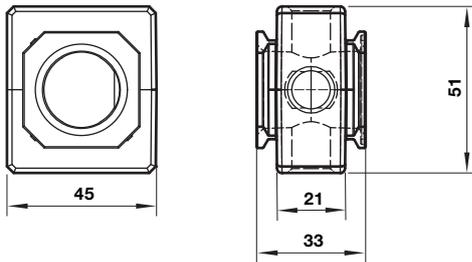
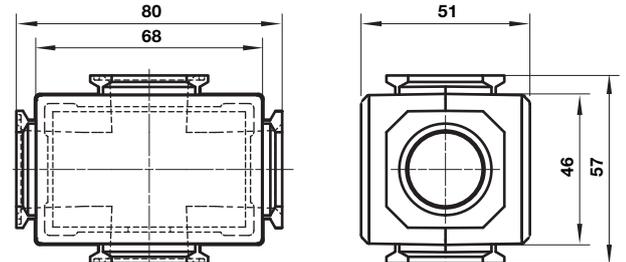
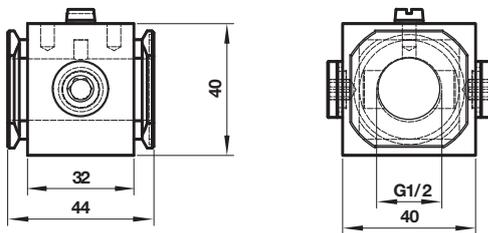
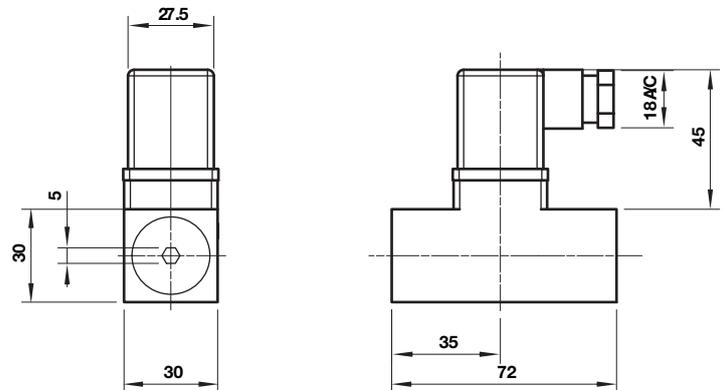


Filterregulator and Lubricator

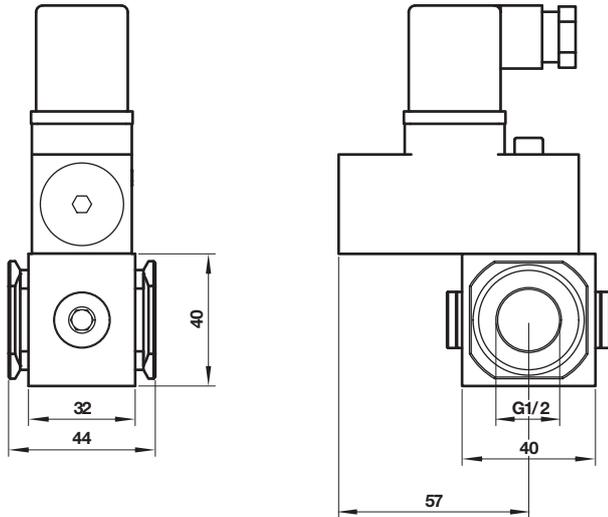


**Accessories**

 Dimensions in mm  
 Projection/Third angle

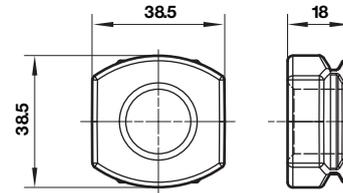
**Quikclamp® with wall bracket**

**Quikclamp®**

**Pressure sensing block**

**Full flow porting block**

**Porting block for  
18D pressure switch**

**18D Pressure switch**


**18D Porting block and  
18D assembled**

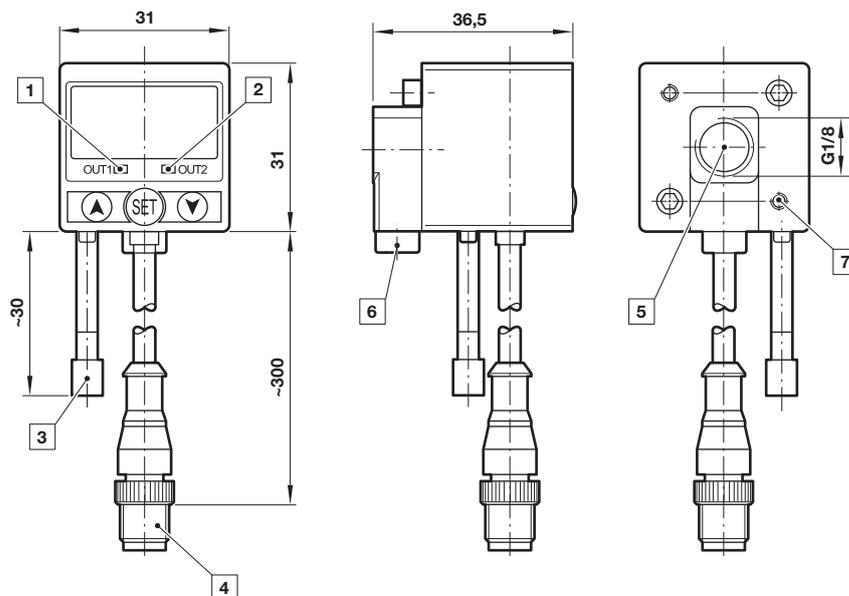


**Pipe adaptor**

Dimensions in mm  
Projection/Third angle



**51D Pressure switch - digital**



- 1 Switch OUT 1, green LED
- 2 Switch OUT 2, red LED
- 3 Dustproof protector
- 4 Connector M12 x 1
- 5 Inlet port
- 6 Alternative inlet port G1/8 plugged
- 7 Thread for mounting screw

**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 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.