

Алматы (7273)495-231  
Ангарск (3955)60-70-56  
Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Благовещенск (4162)22-76-07  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Владикавказ (8672)28-90-48  
Владимир (4922)49-43-18  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Коломна (4966)23-41-49  
Кострома (4942)77-07-48  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Курган (3522)50-90-47  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Ноябрьск (3496)41-32-12  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Петрозаводск (8142)55-98-37  
Псков (8112)59-10-37

Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Саранск (8342)22-96-24  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Сыктывкар (8212)25-95-17  
Тамбов (4752)50-40-97

Тверь (4822)63-31-35  
Тольятти (8482)63-91-07  
Томск (3822)98-41-53  
Тула (4872)33-79-87  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Улан-Удэ (3012)59-97-51  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Чебоксары (8352)28-53-07  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Чита (3022)38-34-83  
Якутск (4112)23-90-97  
Ярославль (4852)69-52-93

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Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

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# Технические характеристики на блоки подготовки воздуха 07 Series, Excelon, Excelon Plus, Olympian Plus компании **IMI NORGREN**

**Виды товаров:** модульные системы регуляторов-лубликаторов, модульные системы фильтр-регуляторов, модульные системы комбинированных лубликаторов и др.

FFB64-208

# Filtration Unit



Pre-assembled combinations include a general purpose pre-filter and ‘Ultraire’<sup>®</sup>  
Activated carbon pack assists in the removal of hydro-carbon gases and odours  
Pre filter extends life of oil removal filter

Medium:	Compressed Air
Port Size:	G1/4
Gauge:	No gauge

## Technical Details

Medium	Compressed Air
Operating Temperature	-20 ... 65 °C
Port Size	G1/4
Gauge	No gauge
Gauge Port	Rc1/8
Maximum Inlet Pressure	17 bar
Materials - Body	Zinc / Aluminium
Materials - Elastomers	Synthetic rubber
Materials - Filter Element	Activated carbon and polycarbonate
Range	FFB64
Series	Olympian Plus
Brand	Norgren

FFB64-308

# Filtration Unit



Pre-assembled combinations include a general purpose pre-filter and ‘Ultraire’<sup>®</sup>  
Activated carbon pack assists in the removal of hydro-carbon gases and odours  
Pre filter extends life of oil removal filter

Medium:	Compressed Air
Port Size:	G3/8
Gauge:	No gauge

## Technical Details

Medium	Compressed Air
Operating Temperature	-20 ... 65 °C
Port Size	G3/8
Gauge	No gauge
Gauge Port	Rc1/8
Maximum Inlet Pressure	17 bar
Materials - Body	Zinc / Aluminium
Materials - Elastomers	Synthetic rubber
Materials - Filter Element	Activated carbon and polycarbonate
Range	FFB64
Series	Olympian Plus
Brand	Norgren

- > **Port size: G1/4 or G3/8**
- > **Excelon design allows in-line installation or modular installation with other Excelon products**
- > **High efficiency water and particle removal**
- > **Quick release bayonet bowl**
- > **Push to lock adjusting knob with tamper resistant accessory**
- > **Flow sensor provides a nearly constant oil/air ratio over a wide range of flows**
- > **All round (360°) visibility of sightfeed dome for ease of drip rate setting**



#### Technical features - standard models

##### Medium:

Compressed air only

##### Maximum operating pressure:

10 bar (145 psi)

##### Pressure range:

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

##### Filter element:

40 µm standard

##### Port size:

G1/4, G3/8

##### Gauge port:

Rc 1/8

##### Relieving:

Standard

##### Flow:

BL72: 13 dm³/s maximum

At port size: G1/4

Inlet pressure: 10 bar (145 psi)

Outlet pressure: 6,3 bar (91 psi)

Δp: 1 bar (14,5 psi)

Filter element: 40 µm

##### 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: 0,1 dm³/s (0.2 scfm)

Manual operation: depress pin

inside drain outlet to drain bowl

##### Ambient/Media temperature:

-20 ... +50°C (-4 ... +122°F)

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

##### Materials:

Body: zinc

Bowl: PC

Elastomers: CR & NBR

#### Please contact IMI Norgren for following options:

##### Operation pressure:

Metal bowl: 17 bar (246 psi)

Metal bowl with automatic drain:

10 bar (145 psi)

##### Port size:

1/4 or 3/8 NPT

##### Pressure range:

0,3 ... 4 bar (4 ... 58 psi)

0,3 ... 2 bar (4 ... 29 psi)

0,3 ... 17 bar (4 ... 247 psi)

##### Filter element:

5 µm

##### Gauge port:

1/8 PTF with PTF main ports

##### Relieving:

Without

##### Drain:

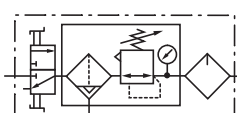
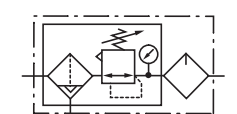
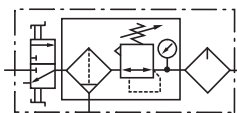
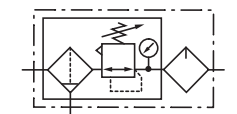
Semi-automatic

##### Ambient/Media temperature:

Metal bowl:

-34 ... +65°C (-29 ... +149°F)

#### Technical data BL72 (Filter/Regulator, Lubricator and Gauge) - standard models

Symbol	Air port	Pressure range (bar)	Element (µm)	Drain	Lubricator	Mounting	Shut-off valve	Model
	G 1/4	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	with	BL72-201GA
	G 3/8	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	with	BL72-301GA
	G 1/4	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	with	BL72-211GA
	G 3/8	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	with	BL72-311GA
	G 1/4	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	without	BL72-205GA
	G 3/8	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	without	BL72-305GA
	G 1/4	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	without	BL72-215GA
	G 3/8	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	without	BL72-315GA
	G 1/4	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	with	BL72-221G
	G 3/8	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	with	BL72-321G
	G 1/4	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	with	BL72-231G
	G 3/8	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	with	BL72-331G
	G 1/4	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	without	BL72-225G
	G 3/8	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	without	BL72-325G
	G 1/4	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	without	BL72-235G
	G 3/8	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	without	BL72-335G






## Accessories

<b>Quikclamp®</b>  <b>Page 3</b> 4214-51	<b>Quikclamp with wall bracket®</b>  <b>Page 3</b> 4214-52	<b>Tamper resistant kit</b>  4255-51		
<b>Quikmount pipe adaptor *1)</b>  <b>Page 3</b> G1/4: 4215-08 G3/8: 4215-09	<b>Porting block with three alternative ports</b>  <b>Page 3</b> G1/4: 4216-52	<b>2/2 Shut-off valves (for full technical specification see datasheet 8.160.600)</b>  <b>Page 4</b> G1/4: T72B-2GA-P1N G3/8: T72B-3GA-P1N	<b>3/2 Shut-off valves (for full technical specification see datasheet 8.160.600)</b>  <b>Page 4</b> G1/4: T72T-2GA-P1N G3/8: T72T-3GA-P1N	


\*1) Please use a Quikmount pipe adaptor if the Quikclamp be mounted at inlet or outlet side.

## Pressure switch

<b>Porting block for pressure switch</b>  0523109000000000	<b>Pressure switch (0,5 ... 8 bar)</b>  0881300000000000	<b>Padlock (brass) with two keys *1)</b>  0613633000000000
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\*1) for shut-off valves and tamper resistant kit

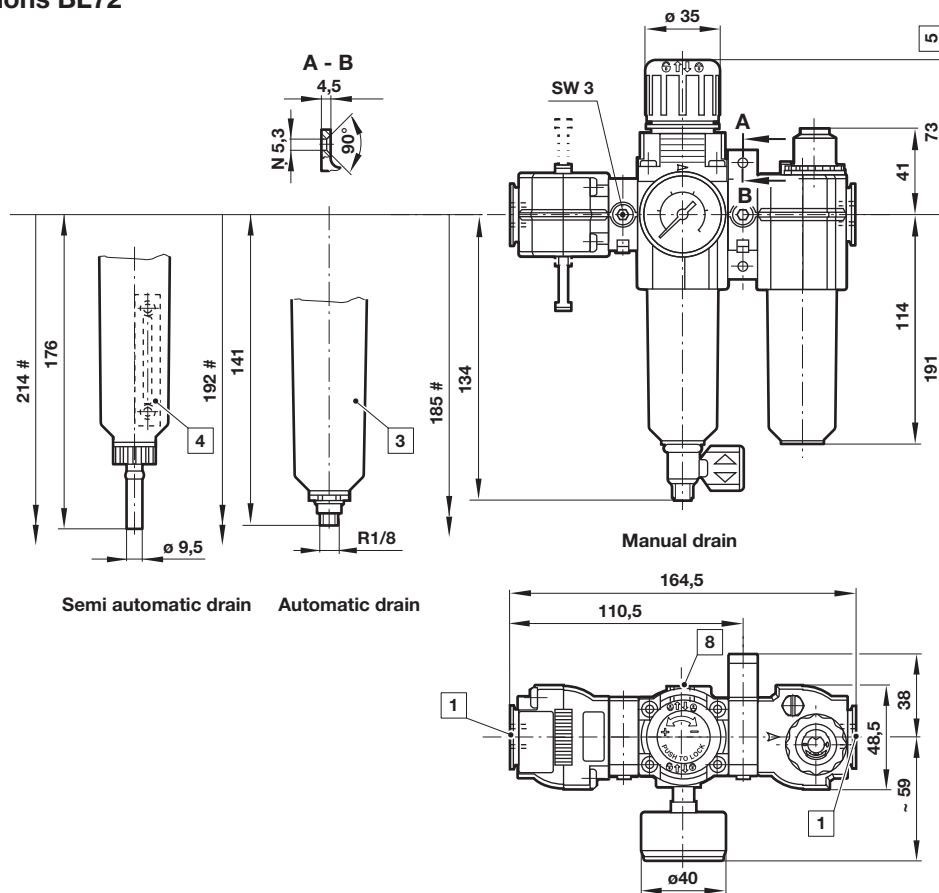
## Gauge

<b>Center back connection, white face (for full technical specification see datasheet 8.900.900)</b> 					
Pressure range bar *1	Mpa	psi	Ø	Thread size	Model
0 ... 2,5	—	0 ... 36	40 mm	R1/8	18-015-886
0 ... 4	0 ... 0,4	0 ... 58	40 mm	R1/8	18-015-990
0 ... 10	0 ... 1	0 ... 145	40 mm	R1/8	18-015-989

\*1) primary scale

## Dimensions BL72

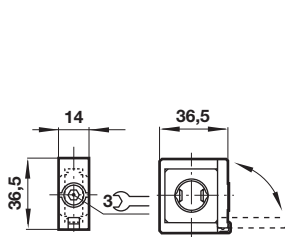
Dimensions in mm  
Projection/First angle



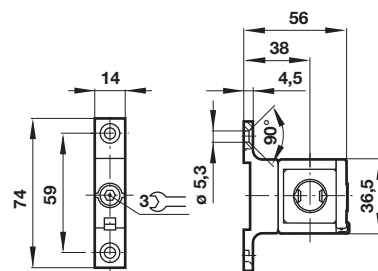
- # Minimum clearance required to remove bowl
- 1 Main ports 1/4" or 3/8"
- 3 Transparent bowl
- 4 Metal bowl with liquid indicator
- 5 Reduces by 4 mm with knob in locked position
- 8 Alternative gauge port Rc1/8 plugged

## Accessories

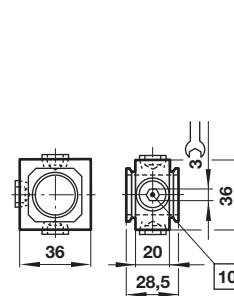
**Quikclamp®**



### Quikclamp® with wall bracket

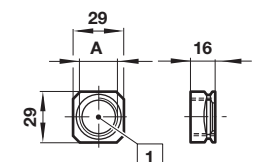


## Porting block



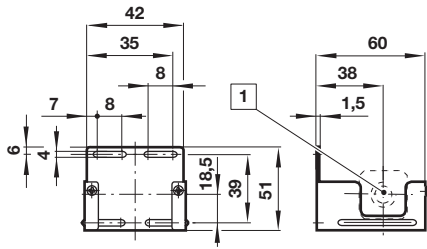
**10** Ports (G1/4 or 1/4 NPT ) plugged

## Pipe adapter



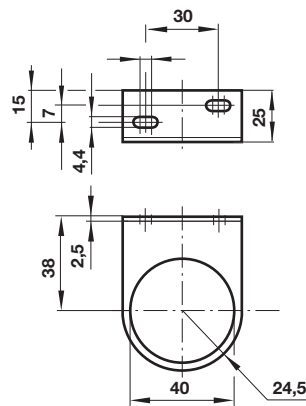
- 1 Main ports 1/4" or 3/8"  
ISO G/PTF

### Wall mounting bracket



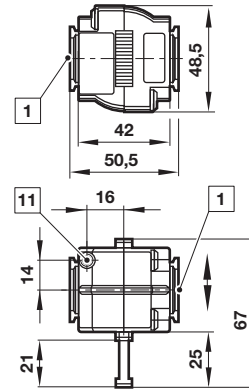
1 Main ports

### Neck mounting bracket



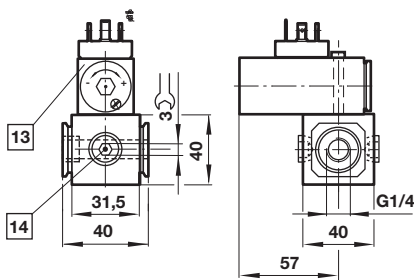
### Shut-off valves

Dimensions in mm  
 Projection/First angle



1 Main ports 1/4" or 3/8" ISO G/PTF  
 11 Exhaust port M5 at 3/2 valve only

### Porting block for pressure switch



13 Pressure switch is not in scope of delivery  
 14 Alternative G1/4 ports plugged

### 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 GmbH.

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.

# TB82 - Filter-Regulator – Combination Excelon® Plus Modular System



- > Port size: 1/4" & 3/8" (ISO G/PTF)
- > Unique Quikclamp connection system offers full modularity
- > 40 micron particle and high efficiency water removal (> 95%)
- > Double safety lock on bowl
- > Shut off valve & Filter-Regulator with tamper resistance feature
- > Metal bowl with prismatic liquid level indicator
- > Light weight polycarbonate bowl
- > High Corrosion resistance: Body and Metal bowl with Electrophoretic Paint finish
- > Easy to read flush mounted integrated pressure gauge as standard
- >  DoC in accordance with 2014/34/EU/ATEX



## Technical features

### Medium:

Compressed air only

### Maximum supply pressure:

Polycarbonate bowl: 10 bar (145 psi)

Metal bowl: 17 bar (246 psi)

### Outlet pressure ranges:

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

### Filter element:

40 µm

### Port size:

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

### Ambient/Media temperature:

Polycarbonat 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

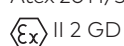
temperatures below +2°C

(+35°F).

### Atex:

T82 + B82 are in conformity with

Atex 2014/34/EU



Ex h IIC T6 Gb

EX h IIIC T85°C Db

### Materials:

Body: Die cast aluminum

Body covers: ABS

Bonnet: Acetal

Valve: PP with Geolast seals

Transparent Bowl:

Polycarbonate with

Polypropylene Guard.

Metal Bowl: Die cast Zinc with

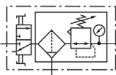
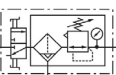
PA liquid level indicator lens

Filter element: sintered PP

Bowl 'o'- ring: Chloroprene

Elastomers: NBR

## Technical data TB82 - standard models

Symbol	Port Size	Shutoff Valve	Drain	Weight (kg)	Model *1)
	G1/4	With	Manual	0,7	TB82-221G
	G3/8	With	Manual	0,7	TB82-321G
	G1/4	With	Auto	0,7	TB82-201G
	G3/8	With	Auto	0,7	TB82-301G

\*1) All models shown here are supplied with guarded transparent bowl, brackets and integrated gauge applicable for flow direction left to right

### Option selector \*1)

TB82-★ ★ 1 ★

Port size	Substitute
1/4"	2
3/8"	3
Units	Substitute
Filter-Regulator w. auto drain, polycarbonate bowls	0
Filter-Regulator w. manual drain, polycarbonate bowls	2
Filter-Regulator w. auto drain, metal bowls	5
Filter-Regulator w. manual drain, metal bowls	7

Thread form	Substitute
PTF	A
ISO G (standard)	G

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

### Excelon Plus adheres to the following harmonised standard and technical specifications:

2014/34/EU Equipment and protective systems intended for use in potentially explosive atmospheres. The following harmonised standards and technical specifications have been applied ISO 4414:2010 – Pneumatic fluid power – General rules and safety requirements for systems and their components; ISO 80079-36:2016 – Explosive atmospheres – Part 36: Non-electrical equipment for explosive atmospheres – Basic method and requirements; ISO 80079-37:2016 – Explosive atmospheres Part 37: Non-electrical equipment for explosive atmospheres – Non-electrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k".



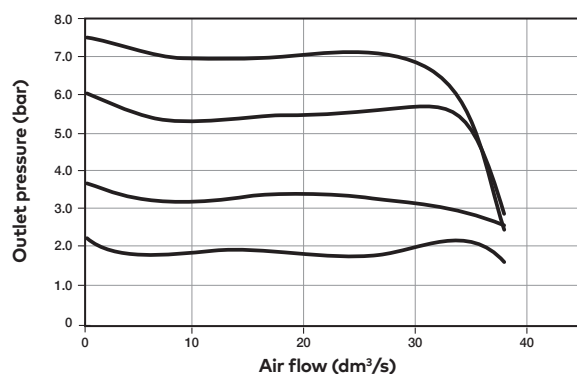
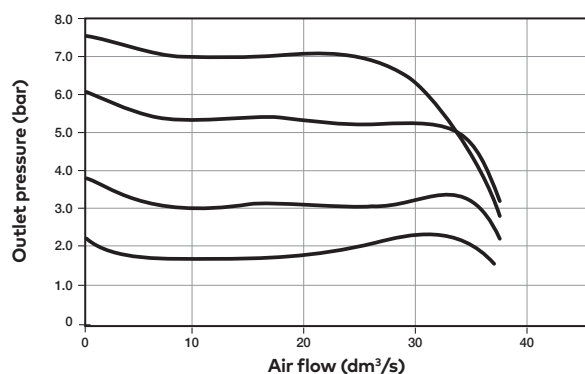
II 2 GD

**Ex h IIC T6 Gb**  
**Ex h IIIC T85°C Db**  
**ATEX Certification No.: NORGREN 18.0001X**

### Flow characteristics

**Inlet pressure: 10 bar (145 psi)**  
**Range: 0.3...10 bar (4...145 psi)**  
**Port size: 1/4", 40 µm element**

**Inlet pressure: 10 bar (145 psi)**  
**Range: 0.3...10 bar (4...145 psi)**  
**Port size: 3/8", 40 µm element**



## Accessories

### Quikclamp®



Page 6

820014-51KIT

### Quikclamp® with bracket assembled



Page 6

820014-52KIT

### Pressure sensing block 1/4 PTF



Page 6

820016-50KIT

### Pressure sensing block G1/4



Page 6

820016-51KIT

### Integrated gauge 10 bar gauge



820073-01KIT

### Integrated gauge 20 bar gauge



820073-02KIT

### Integrated gauge 4 bar gauge



820073-03KIT

### Gauge adaptor kit 1/8 PTF



820100-01KIT

### Gauge adaptor kit R 1/8



820100-02KIT

### Porting block 3/8" PTF



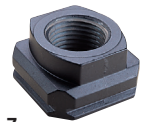
820028-50KIT

### Porting block G3/8



820028-53KIT

### Port Adaptors



Page 7

1/4 PTF 820015-02KIT

3/8 PTF 820015-03KIT

G1/4 820015-08KIT

G3/8 820015-09KIT

### Pressure switch interface block (18D pressure switch) G1/4



0523109000000000

### Pressure switch 18D (0,5 ... 8bar) \*1



0881300

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



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

## Padlock

### Padlock



840055-01KIT

### Lockout device



840055-02KIT

## Silencer

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



M/S2

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



0014600000000000

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



MS002A

### Sinter bronze silencer \*3) G1/4



T40C2800

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

## Maintenance/Service

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



6000-61KIT

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



6000-60KIT

**Filter cartridges 40 micron**



820038-51KIT

## Spare parts

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



820025-51KIT

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



820025-50KIT

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



820003-51KIT

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

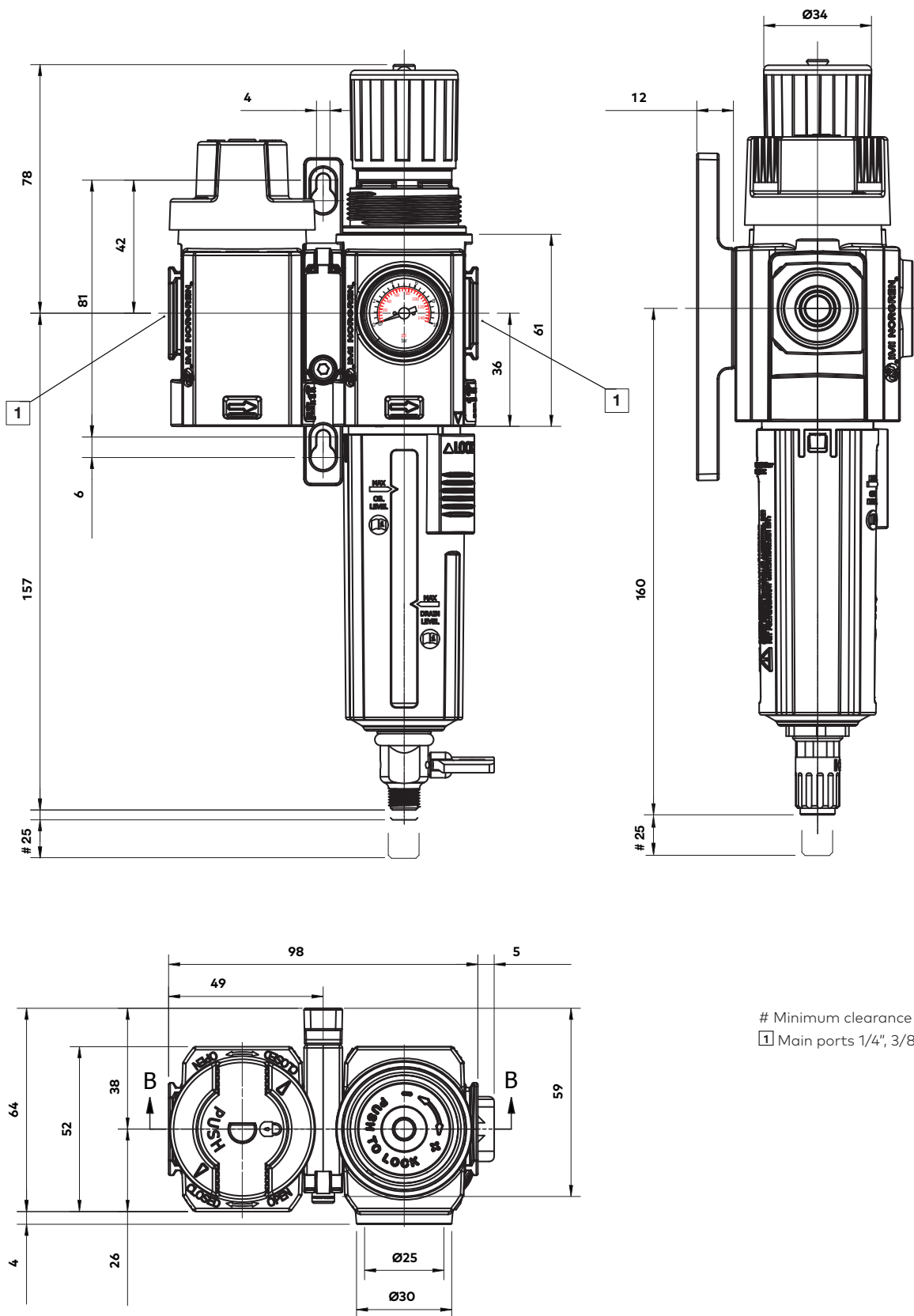


820003-50KIT

## Dimensions

### Shut-off valve and Filter-Regulator

Dimensions in mm  
Projection/First angle

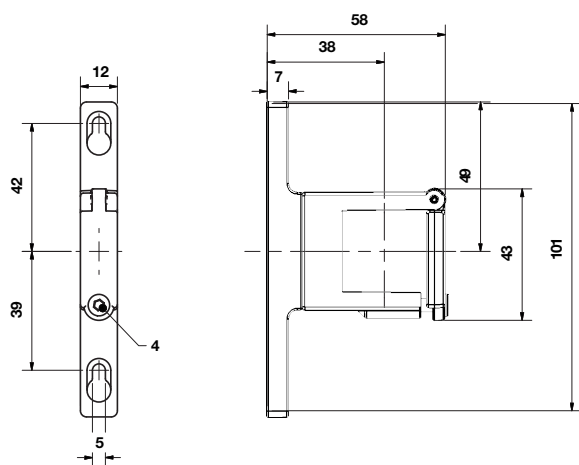


# Minimum clearance for bowl removal  
1 Main ports 1/4", 3/8" (ISO G/PTF)



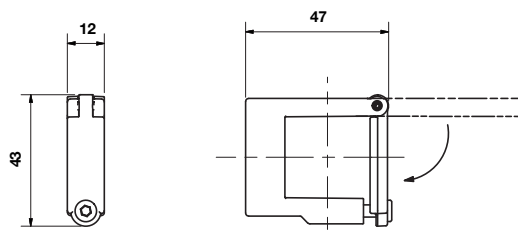
## Accessories

### Quikclamp® with wall bracket

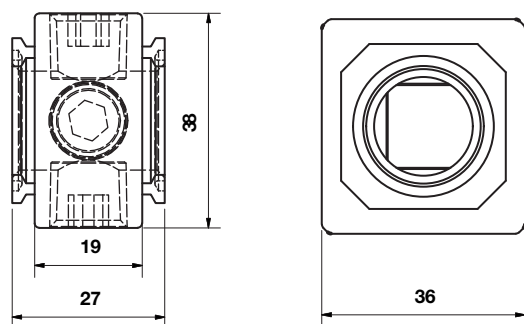


### Quikclamp®

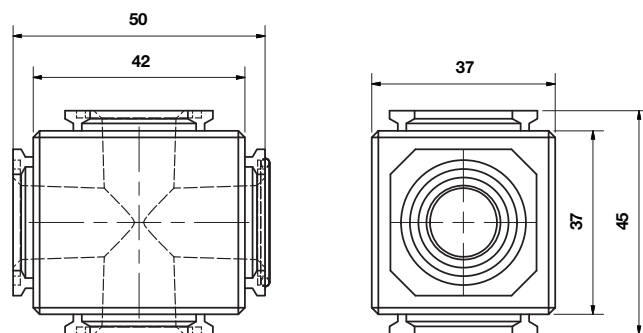
Dimensions in mm  
Projection/First angle



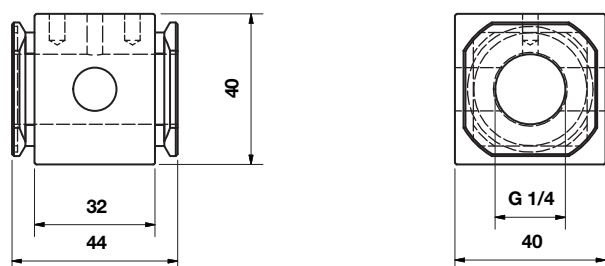
### Pressure sensing block



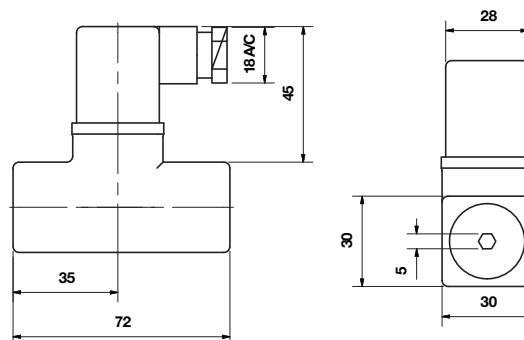
### Full flow porting block



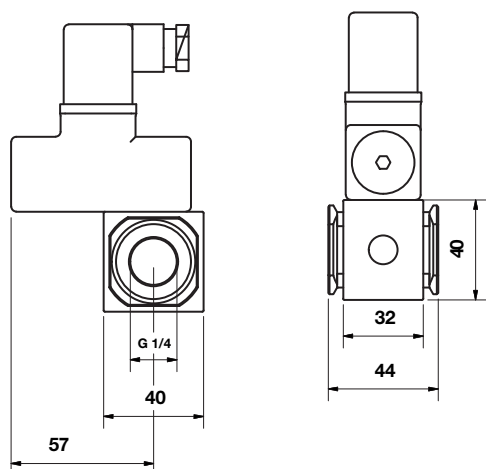
### Porting block for 18D pressure switch



### 18D Pressure switch

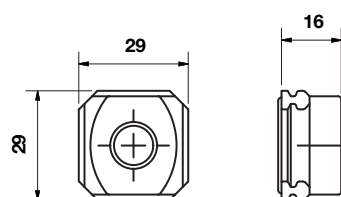


## 18D Porting block and 18D assembled

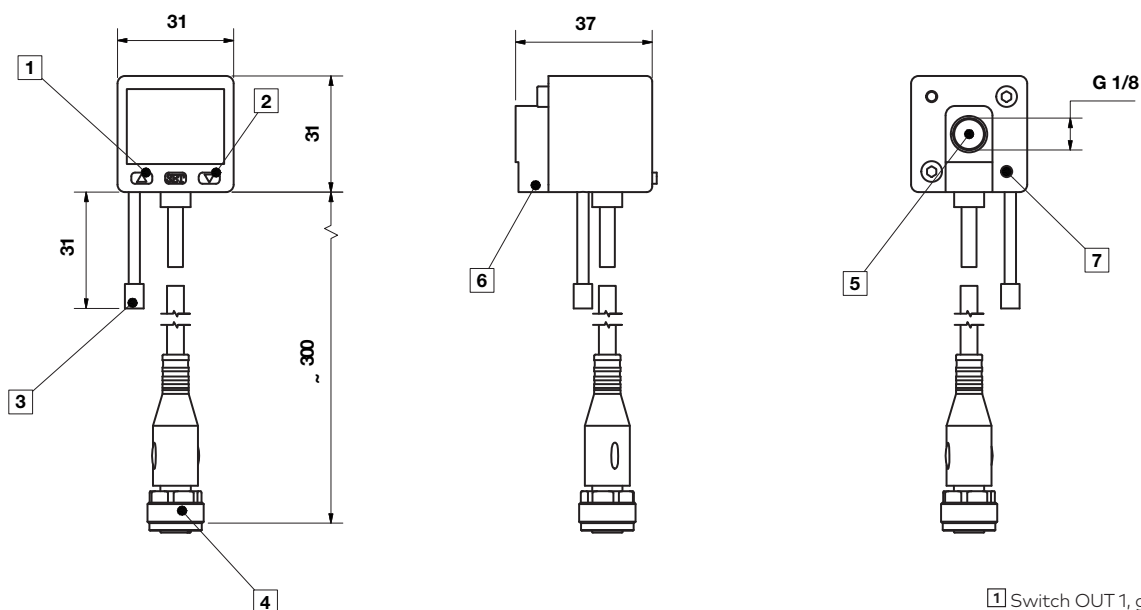


## Pipe adaptor

Dimensions in mm  
Projection/First 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

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# BL82 - Filter/regulator – Lubricator Combination Units Excelon® Plus Modular System



- > Port size: 1/4" & 3/8" (ISO G/PTF)
- > Unique Quikclamp connection system offers full modularity
- > 40 micron particle and high efficiency water removal (> 95%)
- > Double safety lock on bowl
- > Integrated gauge
- > Shut off valve, regulator and 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: 17 bar (246 psi)

### Outlet pressure ranges:

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

### Filter element:

40 µm

### Port size:

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

### Ambient/Media temperature:

-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 aluminum

Body covers: ABS

Bonnet: Acetal

Valve: PP

Transparent Bowl :

Polycarbonate with Polypropylene Guard.

Metal Bowl: Die cast Zinc with

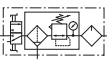
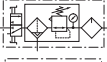
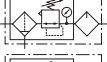
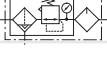
PA liquid level indicator lens

Filter element: sintered PP

Bowl 'o'- ring: Chloroprene

Elastomers: NBR

## Technical data BL82—standard models

Symbol	Port Size	Shutoff Valve	Drain	Lubricator Type	Weight (kg)	Model *1)
	G1/4	With	Manual	Microfog	1,30	BL82-221G
	G3/8	With	Manual	Microfog	1,30	BL82-321G
	G1/4	With	Auto	Microfog	0,90	BL82-201G
	G3/8	With	Auto	Microfog	0,90	BL82-301G
	G1/4	Without	Manual	Microfog	1,00	BL82-225G
	G3/8	Without	Manual	Microfog	1,00	BL82-325G
	G1/4	Without	Auto	Microfog	0,60	BL82-205G
	G3/8	Without	Auto	Microfog	0,60	BL82-305G

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

## Option selector \*1)

BL82-★★★★

Port size	Substitute	Thread form	Substitute
1/4"	2	PTF	A
3/8"	3	ISO G (standard)	G
Units	Substitute	Accessories	Substitute
Filter/Regulator w. auto drain, Micro fog lubricator, Polycarbonate bowls	0	Shutt-off valve and Gauge and brackets	1
Filter/Regulator w. auto drain, Oil fog lubricator, Polycarbonate bowls	1	Gauge and brackets	5
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		

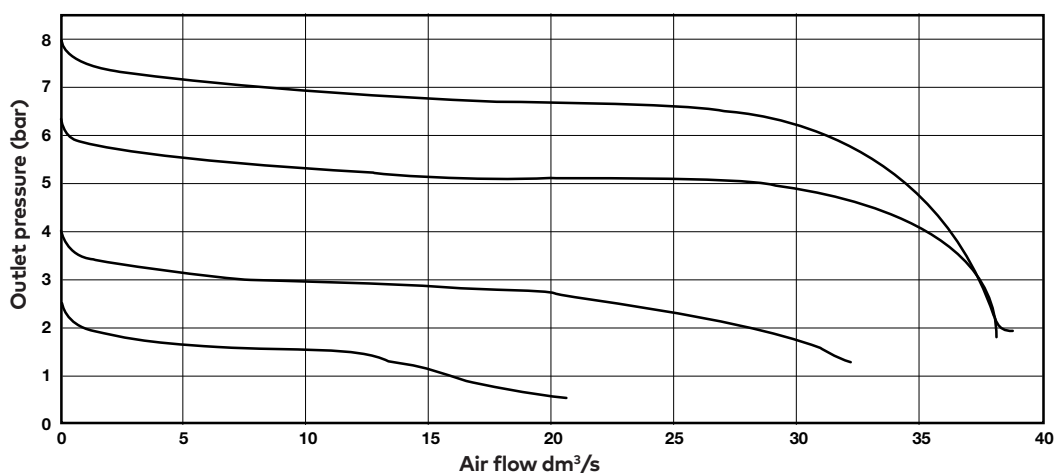
\*1) All models shown here are applicable for flow direction left to right.

## Flow characteristics

Inlet pressure: 10 bar (145 psi)

Range: 0.3 to 10 bar (4 to 145 psi)

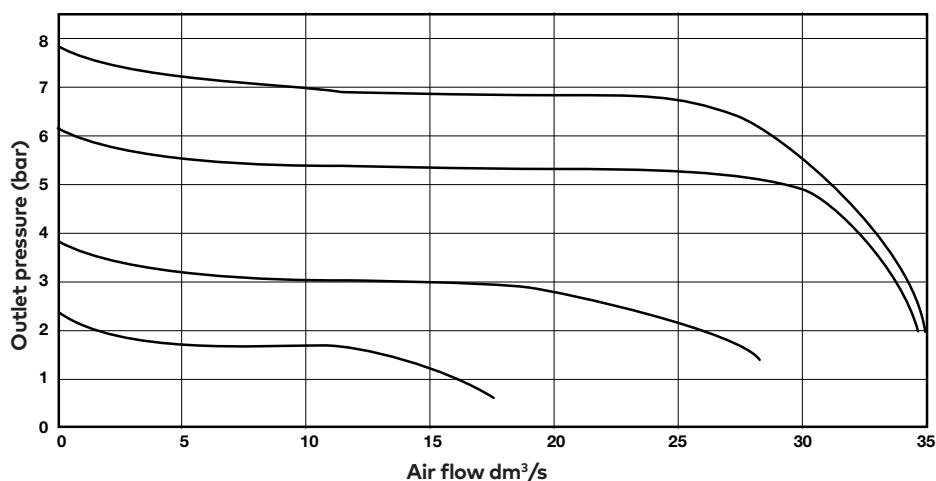
Port size: 1/4", 40 µm element



Inlet pressure: 10 bar (145 psi)

Range: 0.3 to 10 bar (4 to 145 psi)

Port size: 3/8", 40 µm element





## Maintenance/Service

Auto drain kit with metal Nut - Imperial



6000-61KIT

Auto drain kit with metal Nut - Metric



6000-60KIT

R82 / B82 Service kit



FRLB82-KIT

Filter cartridges 40 micron



820038-51KIT

## Spare parts

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



820025-51KIT

Filter Bowl (Guarded Poly bowl with manual drain)



820025-50KIT

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



820003-51KIT

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



820003-50KIT

Lubricator bowl Guarded Poly



820025-52KIT

Lubricator bowl Metal with sight glass



820003-52KIT

Lubricator sight dome kit



Micro fog (red) 840055-50KIT

Lubricator sight dome kit

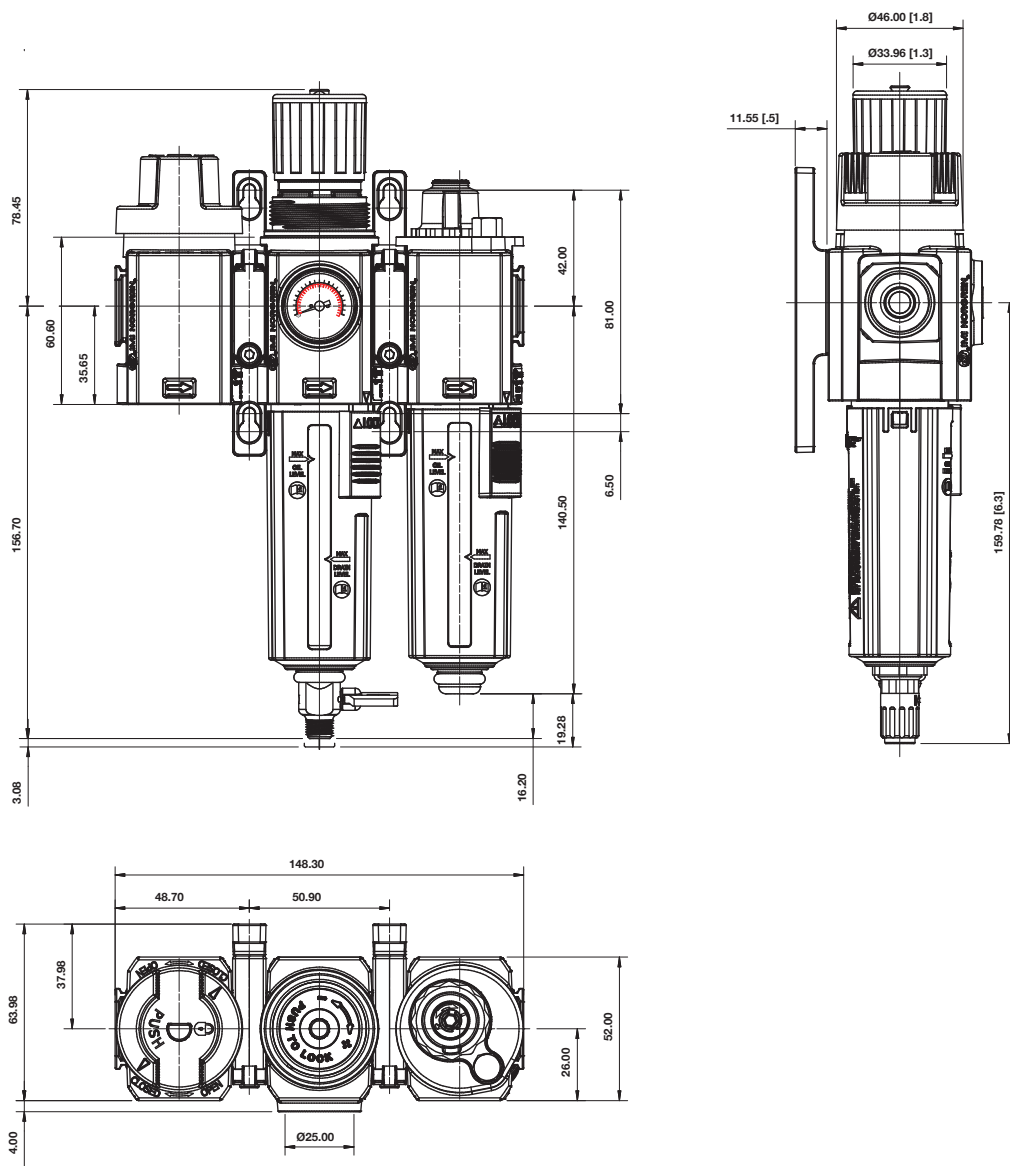


Oil fog (green) 840055-51KIT

## Dimensions

### Shut-off valve, Filter/regulator and Lubricator

Dimensions in mm  
Projection/First angle

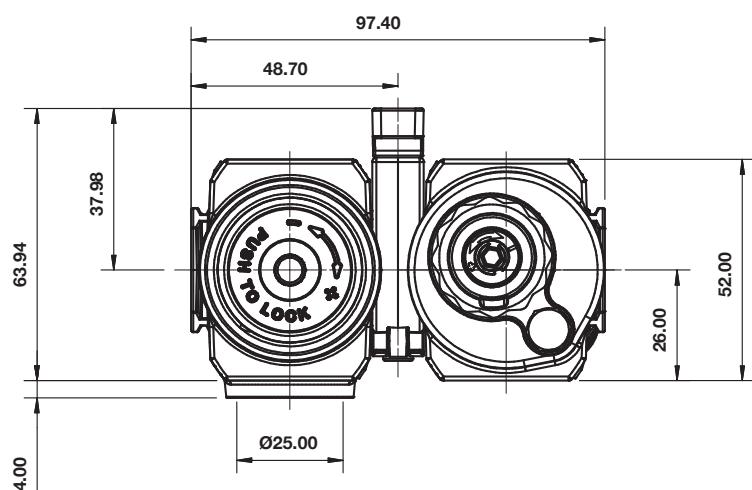
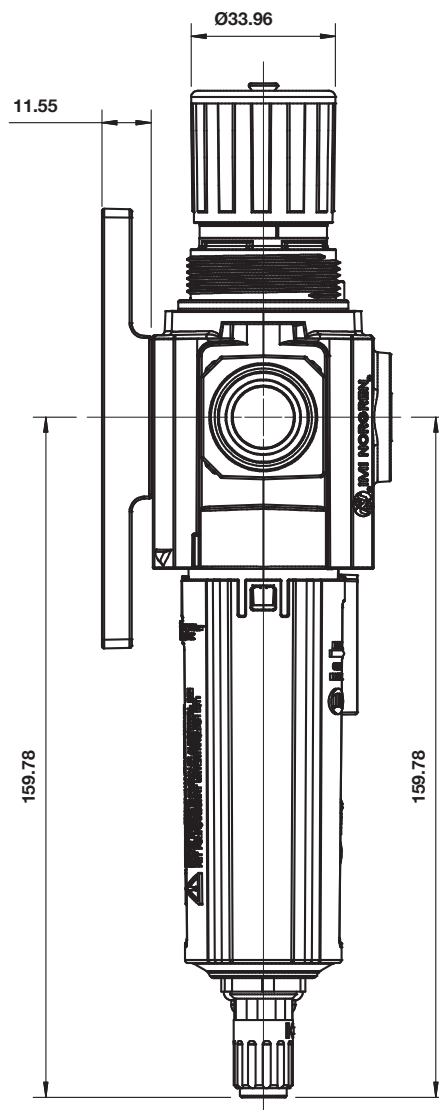
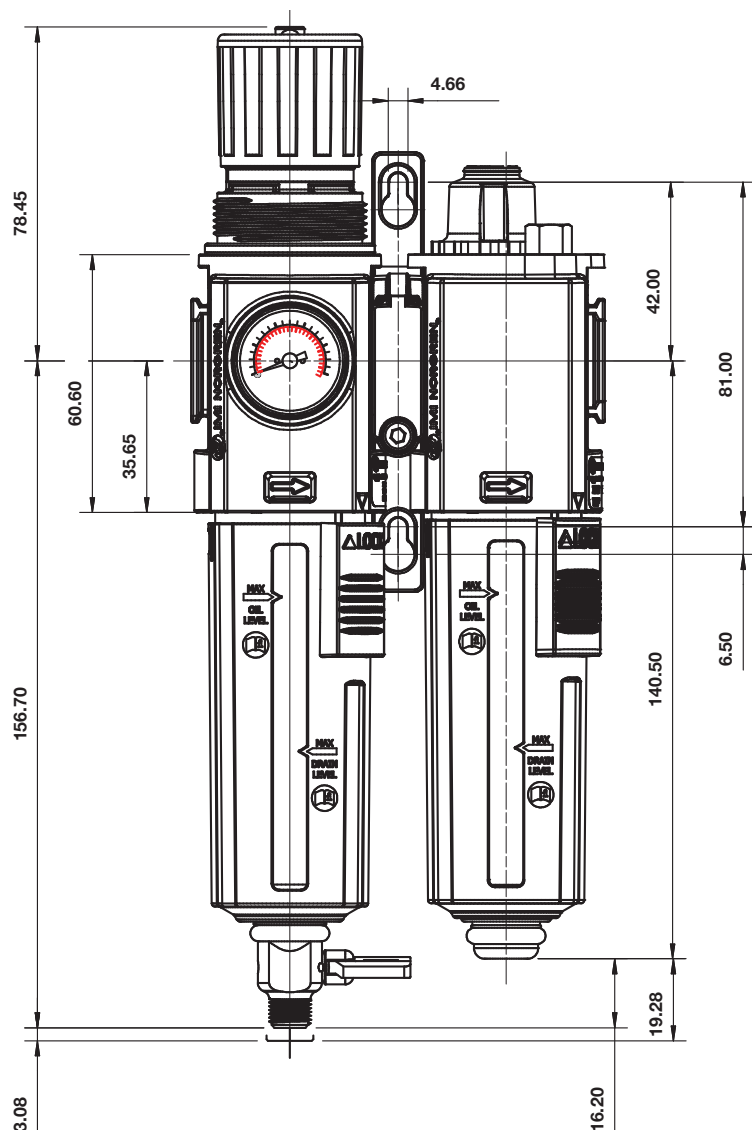


# Minimum clearance for bowl removal

## Dimensions

### Filter/regulator and Lubricator

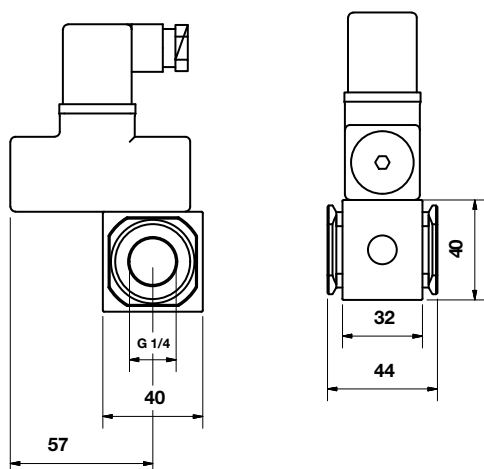
Dimensions in mm  
Projection/First angle



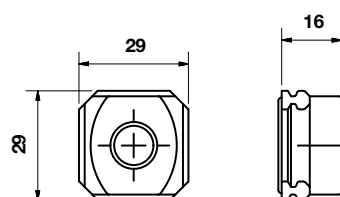




## 18D Porting block and 18D assembled



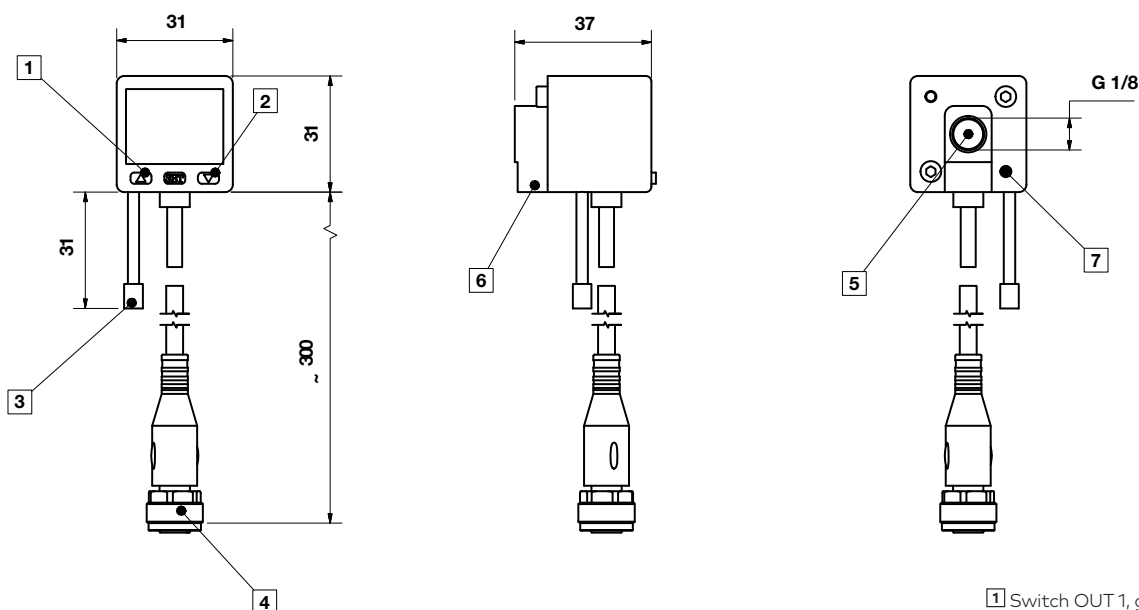
## Pipe adaptor



Dimensions in mm  
Projection/First 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

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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.

- > **Port size: 1/4" ... 1/2"**  
(ISO G/PTF)
- > **Excelon design allows**  
in-line installation or  
modular installation  
with other Excelon  
products
- > **High efficiency water**  
and particle removal
- > **Quick release bayonet**  
bowl
- > **Push to lock**  
adjusting knob with  
tamper resistant  
accessory



### Technical features

#### Medium:

Compressed air only

#### Maximum operating pressure:

Transparent bowl: 10 bar (145 psi)

#### Pressure range:

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

#### Filter element:

40 µm standard

#### Port size:

G1/4, G3/8, G1/2

#### Gauge port:

Rc 1/8

#### Relieving:

Standard

#### Drain:

Manual or automatic

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

Bowl pressure required to close drain: > 0,3 bar (5 psi)

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

Minimum air flow required to close drain: 0,1 dm³/s (0.2 scfm)

Manual operation: depress pin inside drain outlet to drain bowl

#### Ambient/Media temperature:

Transparent bowl:

-20 ... +50°C (-4 ... +122°F)

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

#### Materials:

Body: Die cast aluminium

Bowl: Transparent PC

Elastomers: CR & NBR

### Please contact IMI Norgren for following options:

#### Operation pressure:

Metal bowl: 17 bar (246 psi)

#### Pressure range:

0,3 ... 4 bar (4 ... 58 psi)

0,7 ... 17 bar (2 ... 250 psi)

#### Port size:

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

#### Filter element:

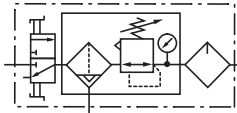
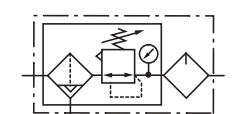
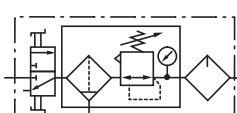
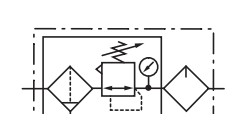

5 µm

#### Ambient/Media temperature:








Metal bowl:

-34 ... +80°C (-30 ... +176°F)

### Technical data BL73 (Filter/Regulator, Lubricator and Gauge) - standard models




Symbol	Port size	Size	Pressure range (bar)	Element (µm)	Drain	Lubricator	Mounting	Shut-off valve	Model
	G1/4	—	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	With	BL73-201G
	G3/8	Basic	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	With	BL73-301G
	G1/2	—	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	With	BL73-401G
	G1/4	—	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	With	BL73-211G
	G3/8	Basic	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	With	BL73-311G
	G1/2	—	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	With	BL73-411G
	G1/4	—	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	Without	BL73-205G
	G3/8	Basic	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	Without	BL73-305G
	G1/2	—	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	Without	BL73-405G
	G1/4	—	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	Without	BL73-215G
	G3/8	Basic	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	Without	BL73-315G
	G1/2	—	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	Without	BL73-415G
	G1/4	—	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	With	BL73-221G
	G3/8	Basic	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	With	BL73-321G
	G1/2	—	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	With	BL73-421G
	G1/4	—	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	With	BL73-231G
	G3/8	Basic	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	With	BL73-331G
	G1/2	—	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	With	BL73-431G
	G1/4	—	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	Without	BL73-225G
	G3/8	Basic	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	Without	BL73-325G
	G1/2	—	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	Without	BL73-425G
	G1/4	—	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	Without	BL73-235G
	G3/8	Basic	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	Without	BL73-335G
	G1/2	—	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	Without	BL73-435G

## Accessories

<b>Quikclamp®</b>  <b>Page 3</b> 4314-51	<b>Quikclamp with wall bracket®</b>  <b>Page 3</b> 4314-52	<b>Tamper resistant kit</b>  4355-51	
<b>Quikmount pipe adaptor *1)</b>  <b>Page 3</b> G1/4: 4315-09 G3/8: 4315-10 G1/2: 4315-11	<b>Porting block with three alternative 1/4" ports</b>  <b>Page 3</b> G1/4: 4316-52 1/4 PTF: 4316-50	<b>2/2 Shut-off valves (for full technical specification see datasheet 8.180.600)</b>  <b>Page 4</b> G1/4: T73B-2GA-P1N G3/8: T73B-3GA-P1N G1/2: T73B-4GA-P1N	<b>3/2 Shut-off valves (for full technical specification see datasheet 8.180.600)</b>  <b>Page 4</b> G1/4: T73T-2GA-P1N G3/8: T73T-3GA-P1N G1/2: T73T-4GA-P1N

\*1) Please use a Quikmount pipe adaptor if the Quikclamp be mounted at inlet or outlet side.


## Pressure switch

<b>Porting block for pressure switch</b>  <b>Page 3</b> 0523110000000000	<b>Pressure switch (0,5 ... 8 bar)</b>  0881300000000000	<b>Padlock (brass) with two keys *1)</b>  0613633000000000
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\*1) for shut-off valves

## Padlock

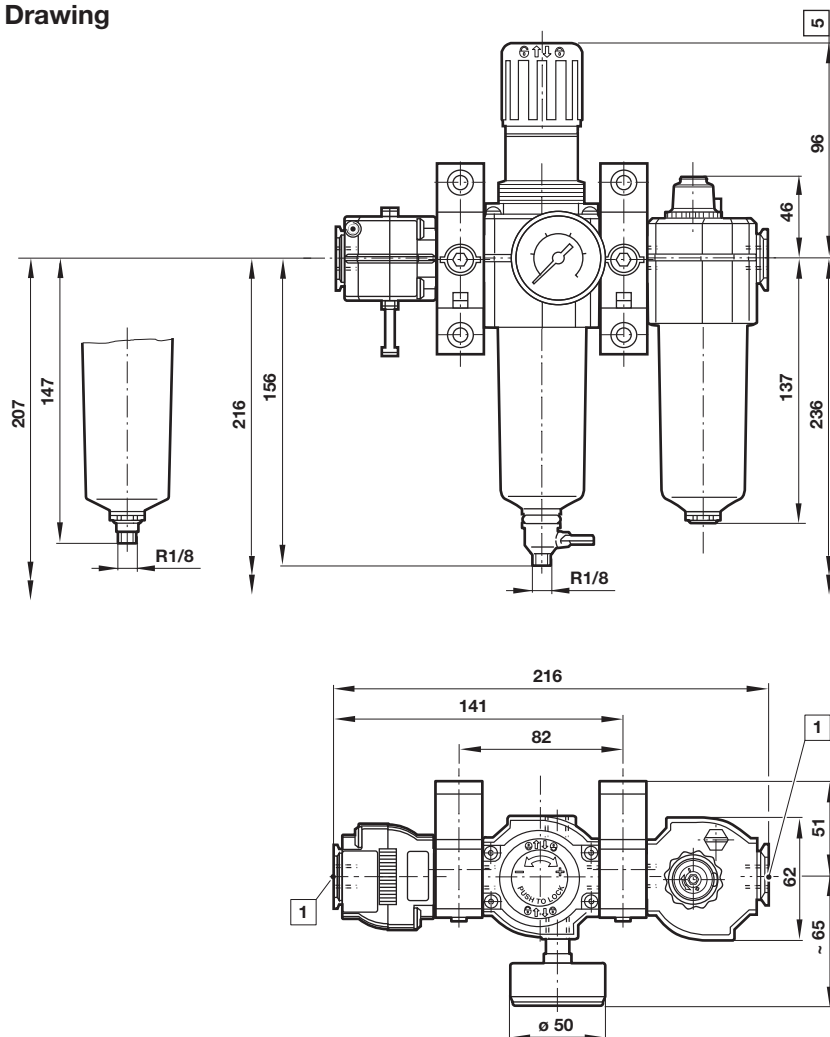
## Gauge

<b>Center back connection, white face (for full technical specification see datasheet 8.900.900)</b> 					
Pressure range bar *1	Mpa	psi	Ø	Thread size	Model
0 ... 4	0 ... 0,4	0 ... 58	50 mm	R1/8	18-015-011
0 ... 10	0 ... 1	0 ... 145	50 mm	R1/8	18-015-013
0 ... 25	0 ... 2,5	0 ... 362	50 mm	R1/8	18-015-014

\*1) primary scale

## Drawing

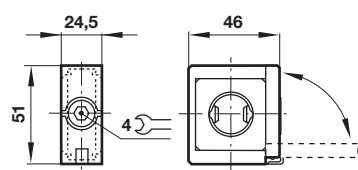
Dimensions in mm  
 Projection/First angle



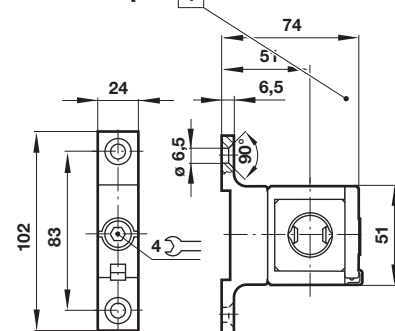
- # Minimum clearance required to remove bowl
- 1 Main ports 1/4", 3/8" or 1/2"
  - 3 Transparent bowl
  - 5 Reduces by 4 mm with knob in locked position

## Accessories

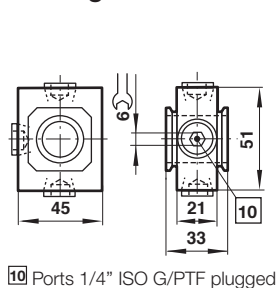
### Quikclamp®



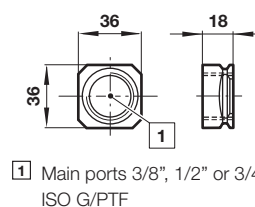
### Quikclamp® with wall bracket



### Porting block



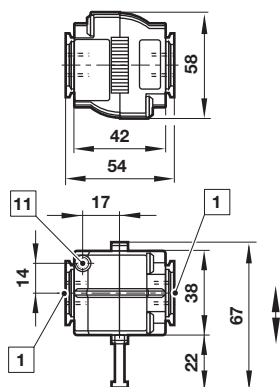
### Pipe adapter



- 1 Main ports 3/8", 1/2" or 3/4" ISO G/PTF

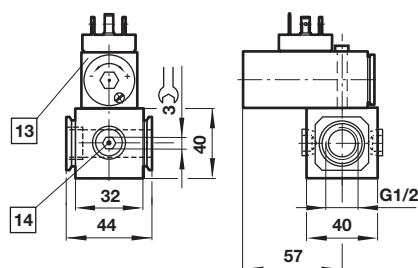
- 10 Ports 1/4" ISO G/PTF plugged

### Shut-off valves



- 1 Main ports 1/4", 3/8" or 1/2" ISO G/PTF
- 11 Exhaust port M5 at 3/2 valve only

### Porting block for pressure switch



- 13 Pressure switch is not in scope of delivery
- 14 Alternative G1/4 ports plugged

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«.

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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.

- > **Port size: 3/8" ... 3/4"**  
(ISO G/NPT)
- > **Excelon design allows**  
in-line installation or  
modular installation  
with other Excelon  
products
- > **High efficiency water**  
and particle removal
- > **Quick release bayonet**  
bowl
- > **Push to lock**  
adjusting knob with  
tamper resistant  
accessory
- > **Flow sensor provides a**  
nearly constant oil/air  
ratio over a wide range  
of flows
- > **All round (360°)**  
visibility of sightfeed  
dome for ease of drip  
rate setting



### Technical features

#### Medium:

Compressed air only

**Maximum operating pressure:**  
10 bar (145 psi)

**Pressure range:**  
0,3 ... 10 bar ( 4 ... 145 psi)

**Filter element:**  
40 µm

**Port size:**  
G3/8, G1/2, G3/4,

**Gauge port:**  
Rc 1/8

#### Relieving:

Standard

#### 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)

Manual operation: depress pin  
inside drain outlet to drain bowl

#### Ambient/Media temperature:

Transparent bowl:

-34° ... +50°C (-30° ... +122°F)

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

#### Materials:

Body: Die cast aluminium

Transparent bowl: PC with steel  
guard

Metal bowl: Die cast aluminium

Elastomers: CR & NBR

### Please contact IMI Norgren for following options:

#### Operation pressure:

Metal bowl: 17 bar (246 psi)

#### Pressure range:

0,3 ... 4 bar (4 ... 58 psi)

0,7 ... 17 bar (2 ... 250 psi)

#### Port size:

3/8 PTF 1/2 PTF , 3/8 PTF

#### Filter element:

5 µm

#### Relieving:

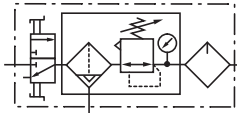
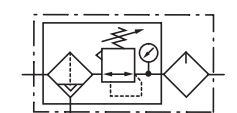
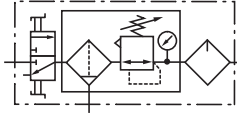
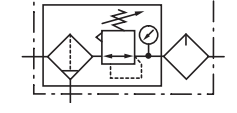
Without

#### Ambient/Media temperature:








Metal bowl:

-34 ... +80°C (-30 ... +176°F)

### Technical data BL74 (Filter/Regulator, Lubricator and Gauge) - standard models




Symbol	Port size	Size	Pressure range (bar)	Element (µm)	Drain	Lubricator	Mounting	Shut-off valve	Model
	G3/8	—	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	With	BL74-301G
	G1/2	Basic	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	With	BL74-401G
	G3/4	—	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	With	BL74-601G
	G3/8	—	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	With	BL74-311G
	G1/2	Basic	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	With	BL74-411G
	G3/4	—	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	With	BL74-611G
	G3/8	—	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	Without	BL74-305G
	G1/2	Basic	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	Without	BL74-405G
	G3/4	—	0,3 ... 10	40	Automatic	Micro fog	Quikclamp with wall bracket®	Without	BL74-605G
	G3/8	—	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	Without	BL74-315G
	G1/2	Basic	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	Without	BL74-415G
	G3/4	—	0,3 ... 10	40	Automatic	Oil fog	Quikclamp with wall bracket®	Without	BL74-615G
	G1/2	Basic	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	With	BL74-421G
	G3/4	—	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	With	BL74-621G
	G3/8	—	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	With	BL74-331G
	G1/2	Basic	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	With	BL74-431G
	G3/8	—	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	Without	BL74-325G
	G1/2	Basic	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	Without	BL74-425G
	G3/4	—	0,3 ... 10	40	Manual	Micro fog	Quikclamp with wall bracket®	Without	BL74-625G
	G3/8	—	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	Without	BL74-335G
	G1/2	Basic	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	Without	BL74-435G
	G3/4	—	0,3 ... 10	40	Manual	Oil fog	Quikclamp with wall bracket®	Without	BL74-635G

## Accessories

<b>Quikclamp®</b>  <b>Page 3</b> 4314-51	<b>Quikclamp with wall bracket®</b>  <b>Page 3</b> 4314-52	<b>Tamper resistant kit</b>  4355-51	
<b>Quikmount pipe adaptor *1)</b>  <b>Page 3</b> G3/8: 4315-10 G1/2: 4315-11 G3/4: 4315-12	<b>Porting block with three alternative 1/4" ports</b>  <b>Page 3</b> G1/4: 4316-52	<b>2/2 Shut-off valves (for full technical specification see datasheet 8.200.600)</b>  <b>Page 4</b> G 3/8: T74B-3GA-P1N G 1/2: T74B-4GA-P1N G 3/4: T74B-6GA-P1N	<b>3/2 Shut-off valves (for full technical specification see datasheet 8.200.600)</b>  <b>Page 4</b> G 3/8: T74T-3GA-P1N G 1/2: T74T-4GA-P1N G 3/4: T74T-6GA-P1N

\*1) Please use a Quikmount pipe adaptor if the Quikclamp be mounted at inlet or outlet side.


## Pressure switch

<b>Porting block for pressure switch</b>  <b>Page 4</b> 0523110000000000	<b>Pressure switch (0,5 ... 8 bar)</b>  0881300000000000	<b>Padlock (brass) with two keys *1)</b>  0613633000000000
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\*1) For shut-off valves and tamper resistant kit

## Padlock

## Gauge

<b>Center back connection, white face (for full technical specification see datasheet 8.900.900)</b> 					
Pressure range bar *1	Mpa	psi	Ø	Thread size	Model
0 ... 4	0 ... 0,4	0 ... 58	50 mm	R1/8	18-015-011
0 ... 10	0 ... 1	0 ... 145	50 mm	R1/8	18-015-013
0 ... 25	0 ... 2,5	0 ... 362	50 mm	R1/8	18-015-014

\*1) primary scale



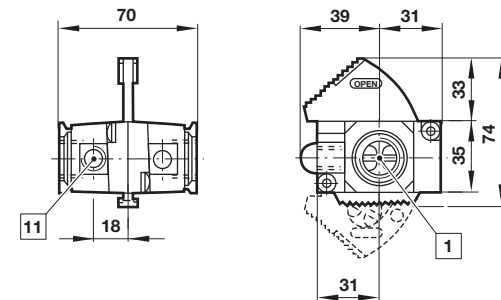


# Minimum clearance required to remove bowl

- 1** Main ports 1/4" or 3/8" ISO G
- 5** Reduces by 4 mm with knob in locked position

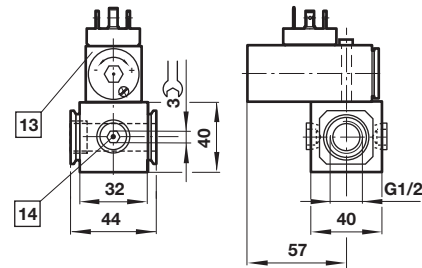
10 Ports 1/4" ISO G/PTF plugged

## Shut-off valves



- 1 Main ports 3/8", 1/2" or 3/4" ISO G/PTF
- 11 Exhaust port Rc1/8 at 3/2 valve only

## Porting block for pressure switch



- 13 Pressure switch is not in scope of delivery
- 14 Alternative G1/4 ports plugged

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 IMI Precision Engineering, Norgren GmbH.

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.

## HBL84 -Filter/regulator - Lubricator Combination Units Excelon® Plus Modular System



- > 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
- > Shut off valve, Regulator & Filter Regulator with tamper resistance feature.
- > Metal bowl with prismatic liquid level indicator
- > Salt Spray compliant to ISO 9227
- > ABS cover with High impact properties
- > 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:

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:

-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 (Magnum 3904)

Bonnet: Acetal

Metal Bowl: Die cast Aluminium with PA liquid level indicator lens

Filter element:

Sintered Polypropylene

Valve: Brass and

Low temperature Nitrile

Diaphragm: Low temperature

Silicone, polyester reinforced

Lower spring rest and diaphragm retainer:

Aluminium

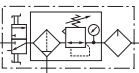
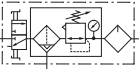
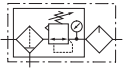
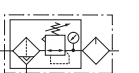
Bowl O-ring:

Low temperature Nitrile

Elastomers:

Low temperature Nitrile

## Technical data HBL84 - standard models

Symbol	Port size	Shut off valve	Drain	Lubricator type	Weight (kg)	Model *1)
	G3/8	With	Manual	Microfog	1,65	HBL84-371G
	G1/2	With	Manual	Microfog	1,65	HBL84-471G
	G3/4	With	Manual	Microfog	1,65	HBL84-671G
	G3/8	With	Auto	Microfog	1,65	HBL84-351G
	G1/2	With	Auto	Microfog	1,65	HBL84-451G
	G3/4	With	Auto	Microfog	1,65	HBL84-651G
	G3/8	Without	Manual	Microfog	1,15	HBL84-375G
	G1/2	Without	Manual	Microfog	1,15	HBL84-475G
	G3/4	Without	Manual	Microfog	1,15	HBL84-675G
	G3/8	Without	Auto	Microfog	1,15	HBL84-355G
	G1/2	Without	Auto	Microfog	1,15	HBL84-455G
	G3/4	Without	Auto	Microfog	1,15	HBL84-655G

\*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

### Option selector \*1) HBL84-★★★★

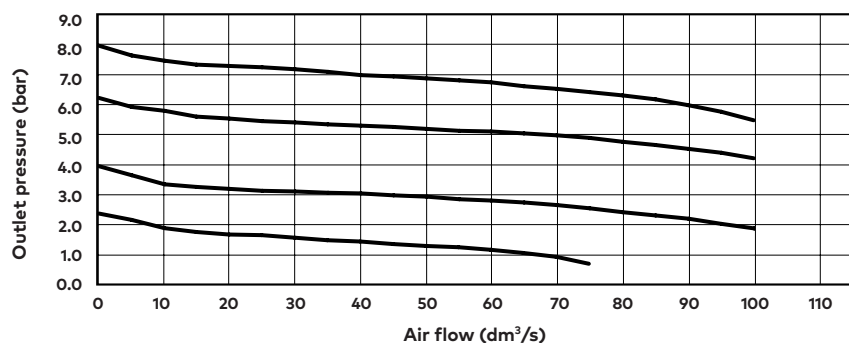
Port size	Substitute	Thread form	Substitute
3/8"	3	PTF	A
1/2"	4	ISO G parallel (standard)	G
3/4"	6	<b>Accessories</b>	<b>Substitute</b>
Units	Substitute	Shutt-off valve & gauge & brackets	1
Filter/Regulator w. auto drain, Micro fog lubricator, Metal bowls	5	Gauge & bracket	5
Filter/Regulator w. auto 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		

\*1) All models shown here are applicable for

## Flow characteristics

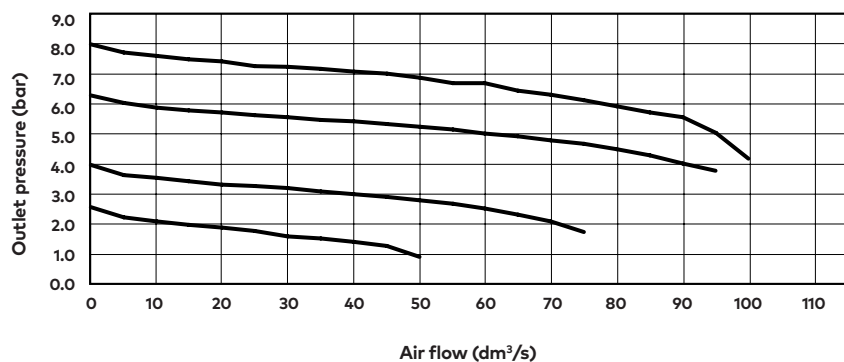
Inlet pressure: 10 bar (145 psi)

Port size: 1/2", 40 µm element



Inlet pressure: 10 bar (145 psi)

Port size: 3/8", 40 µm element



## Accessories

### Wall mounting bracket



Page 6

H840024-50KIT

### Quikclamp®



Page 6

H840014-51KIT

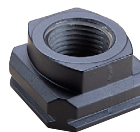
### Quikclamp® with bracket assembled



Page 6

H840014-52KIT

### Port Adaptors



Page 7

3/8 PTF	H840015-02KIT
1/2 PTF	H840015-03KIT
3/4 PTF	H840015-04KIT
G3/8	H840015-10KIT
G1/2	H840015-11KIT
G3/4	H840015-12KIT

### Pressure sensing block 1/4" PTF



Page 6

H840016-50KIT

### Pressure sensing block G1/4



Page 6

H840016-51KIT

### Full flow porting block 3/4" PTF



Page 6

H840028-50KIT

### Full flow porting block G3/4



Page 6

H840028-53KIT

### Full flow porting block 3/4" PTF



Page 6

H840028-68KIT

### Full flow porting block G3/4



Page 6

H840028-69KIT

### Pressure switch interface block (18D pressure switch) G1/4



Page 8

0337717000000000

### Pressure switch 18D (0,5 ... 8bar) \*4



Page 8

0881300

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



Page 8

0860810

\*2) -20 ... +60°C (-4 ... +140°F)

\*4) -10°... +85°C (-14° ...+185°F)

## Padlock

### Padlock



840055-01KIT

### Lockout device



840055-02KIT

## Silencer

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



M/S2

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



MS002A

### Sinter bronze silencer \*3) G1/4



T40C2800

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

## Maintenance/Service

### Filter cartridge 40 micron



840038-51KIT

### Auto drain kit with metal Nut - Imperial



3000-70

### HR84 / HB84 Elastomer Kit



HFRLB84-KIT

### Lubricator sight dome kit



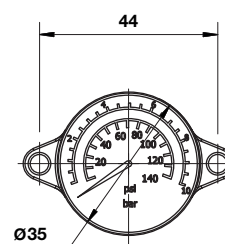
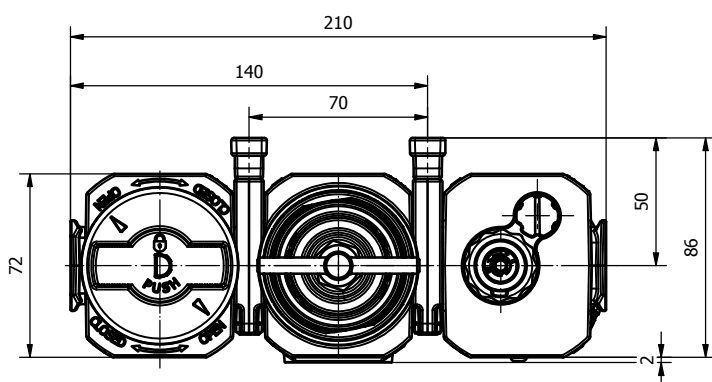
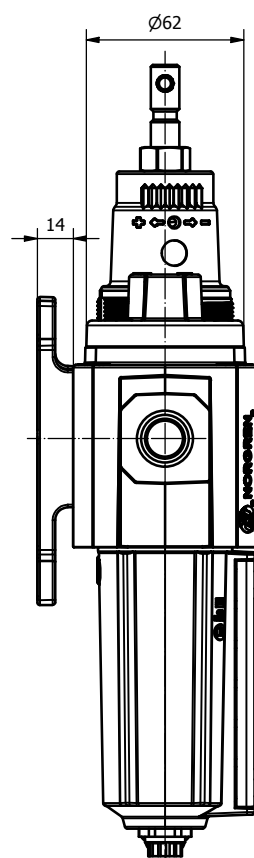
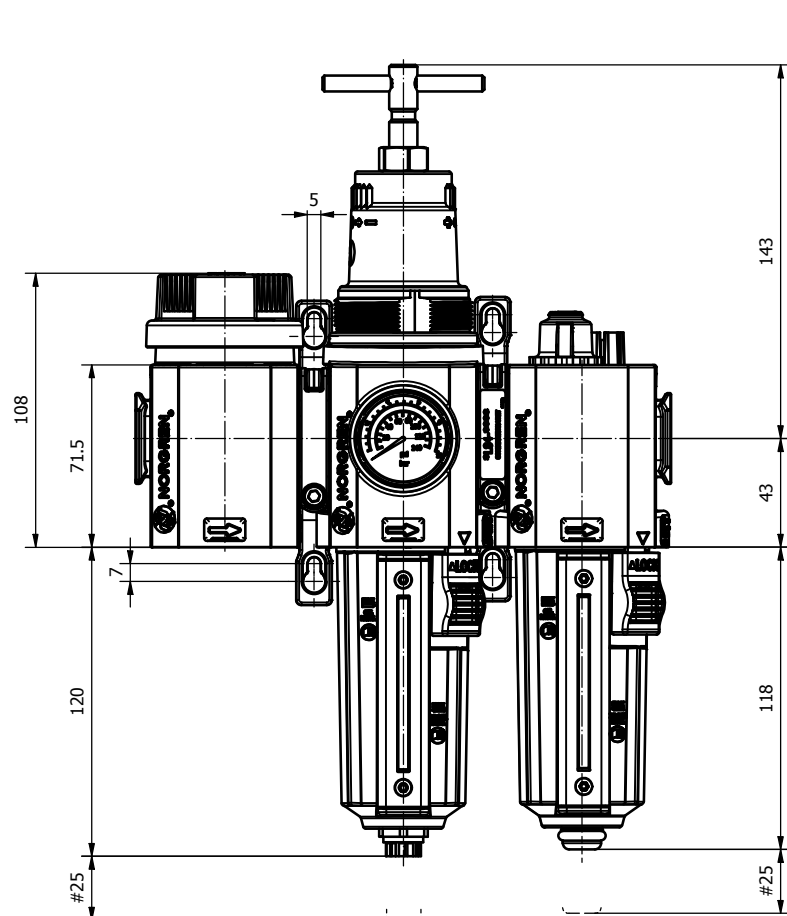
Micro fog (red) 840055-50KIT

Oil fog (green) 840055-51KIT

## Dimensions

### Shut-off valve, Filter/Regulator and Lubricator

Dimensions in mm  
Projection/First angle



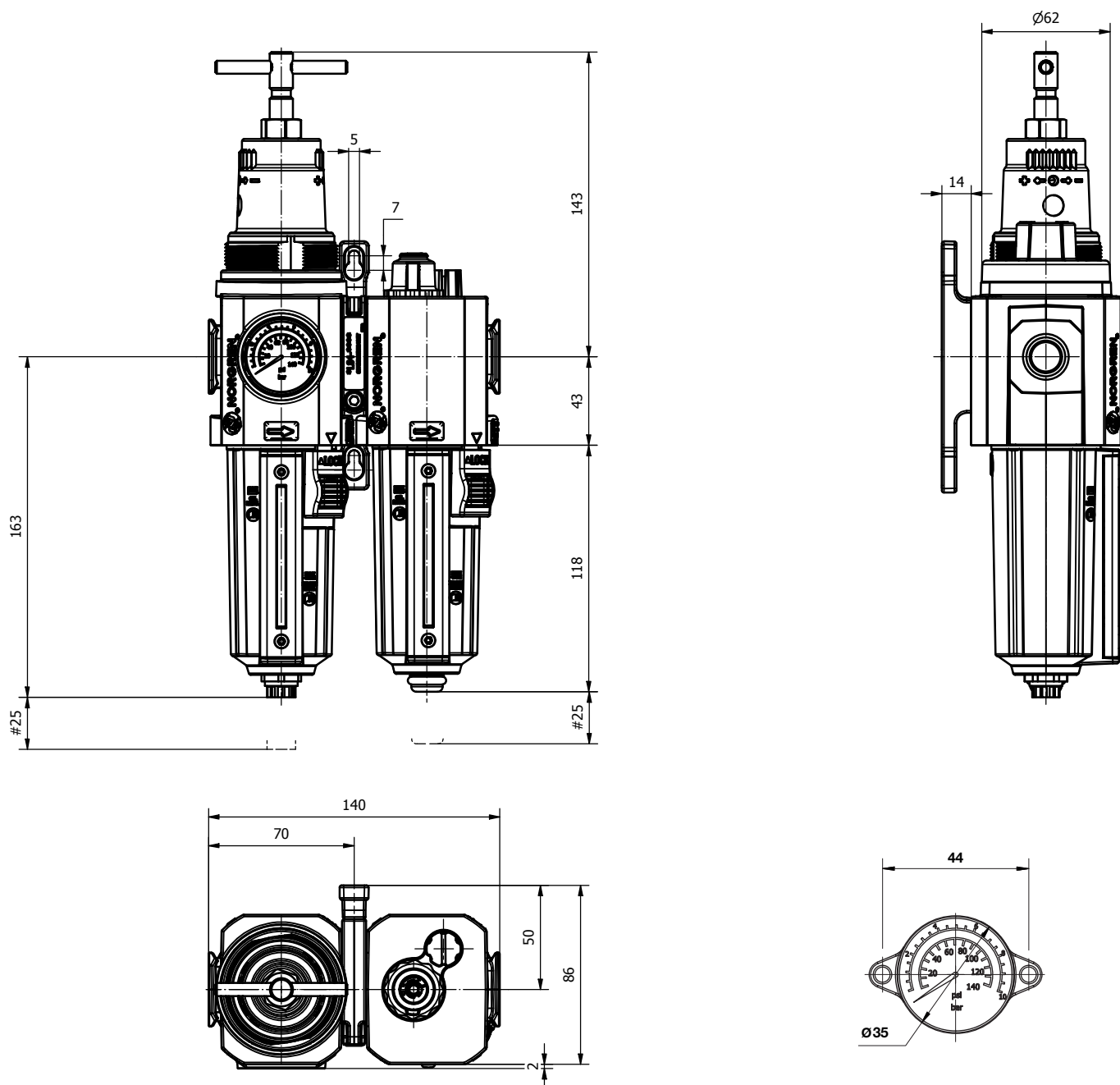
# Minimum clearance for bowl removal



## Dimensions

### Filter/Regulator and Lubricator

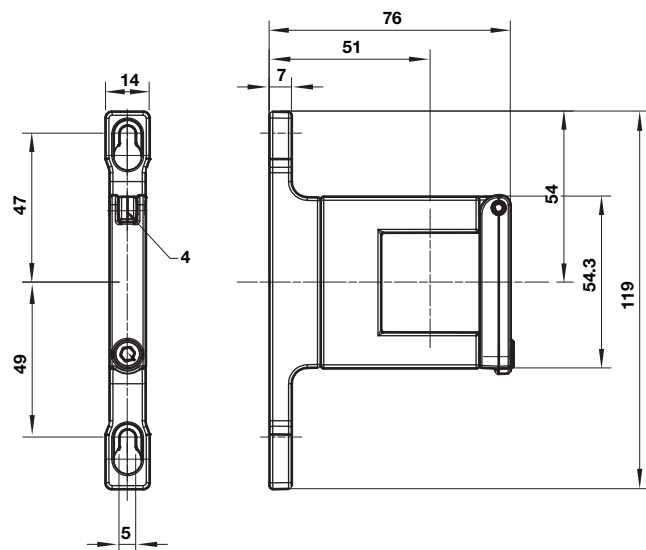
Dimensions in mm  
Projection/First angle



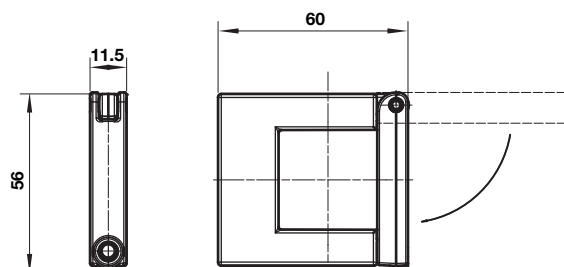
# Minimum clearance for bowl removal

## Accessories

### Quikclamp® with wall bracket



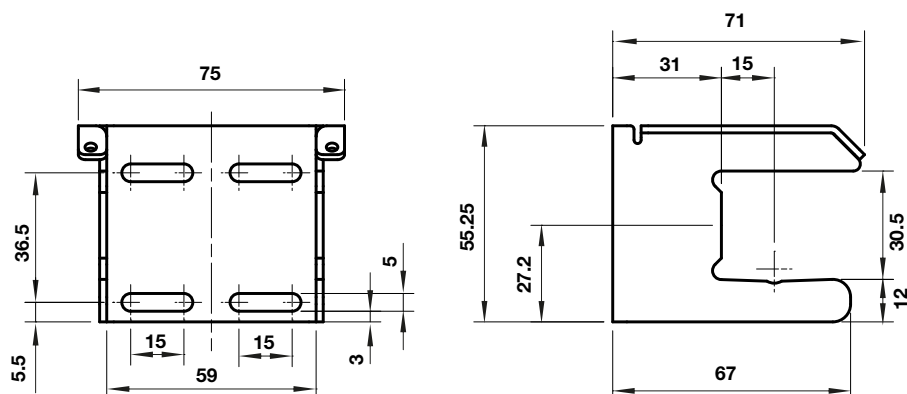
### Quikclamp®



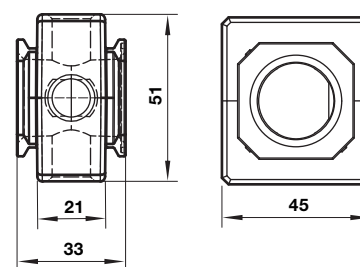
Dimensions in mm  
Projection/First angle



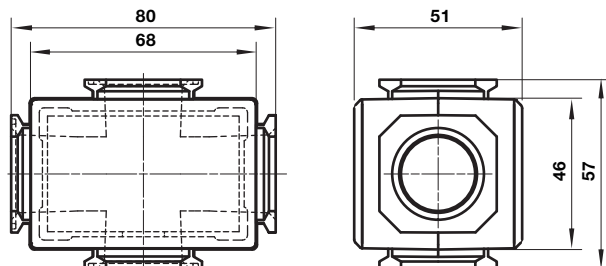
### Mounting bracket



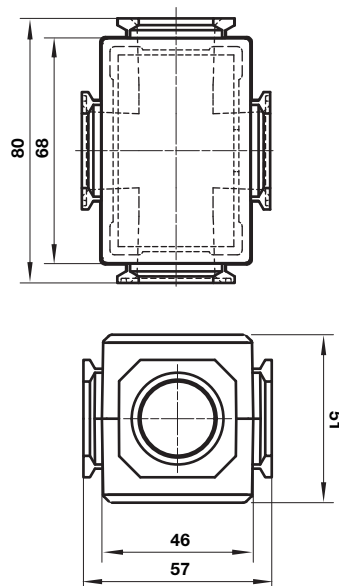
### Pressure sensing block



### Full flow porting block horizontal



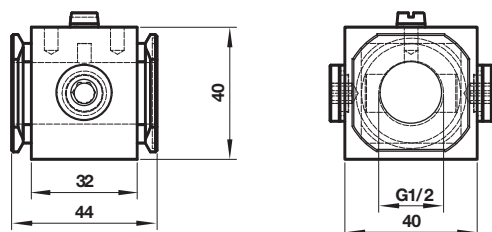
### Full flow porting block vertical



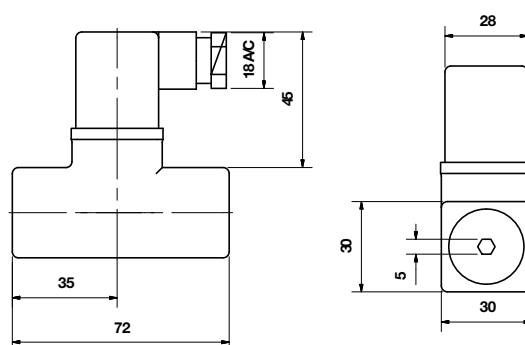
Dimensions in mm  
Projection/First angle



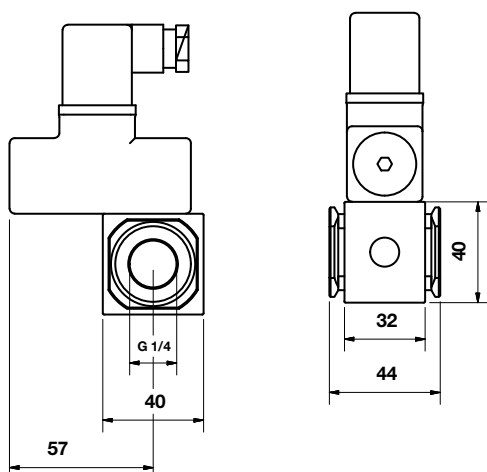
### Porting block for 18D pressure switch



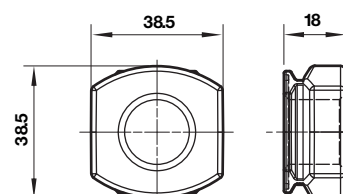
### 18D Pressure switch



### 18D Porting block and 18D assembled

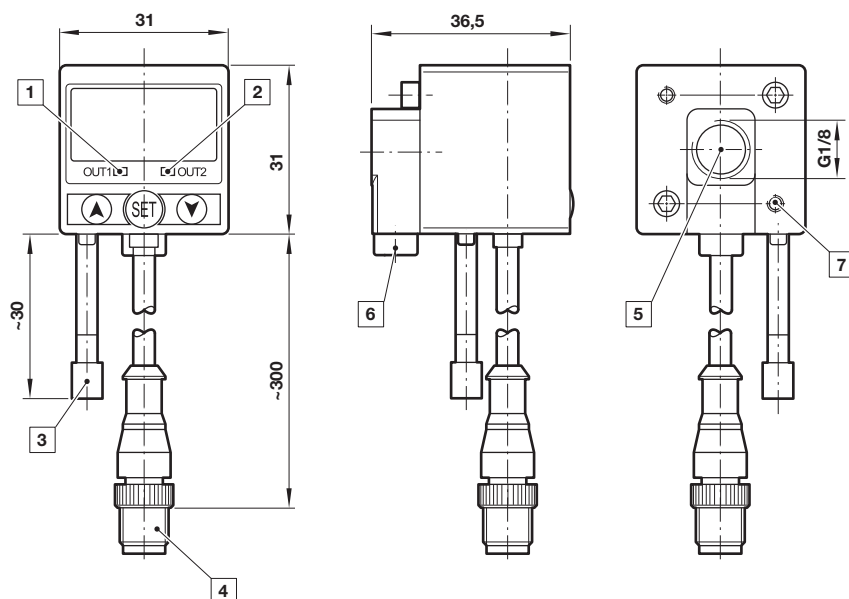


### Pipe adaptor



## 51D Pressure switch - digital

Dimensions in mm  
Projection/First angle



- 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

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## > 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

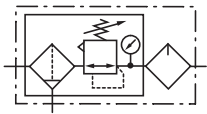
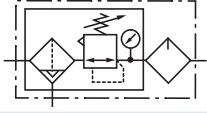
#### Ambient/Media temperature:

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

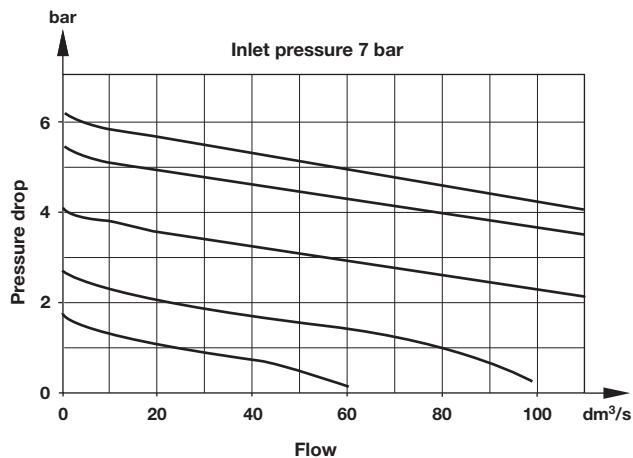
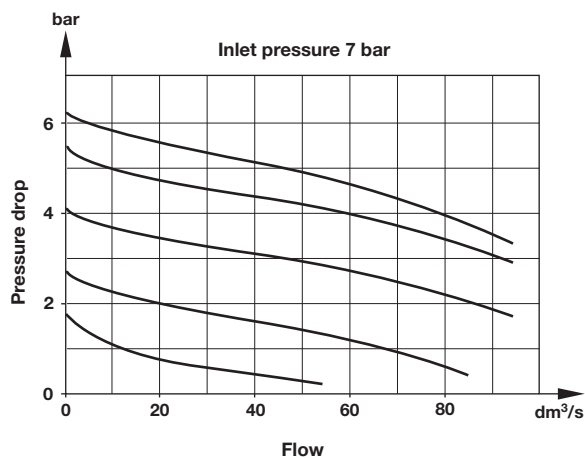
\*1) Approximate flow at 7 bar (101psi) inlet pressure, 6,3 bar (91 psi) set pressure and a droop of 1 bar (14 psi) from set.

### Options selector

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

## Flow characteristics

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



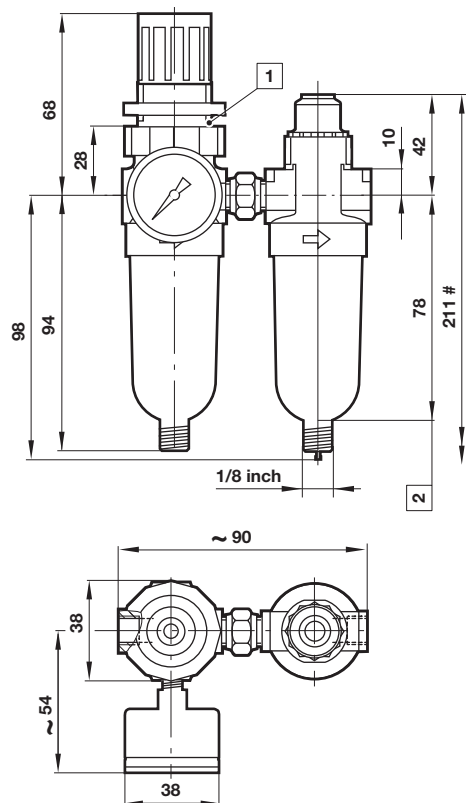
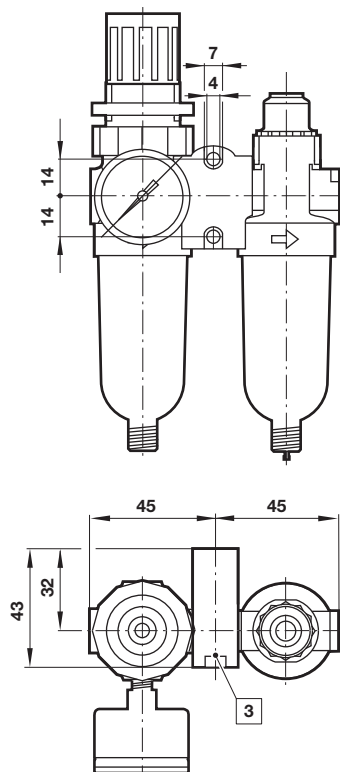
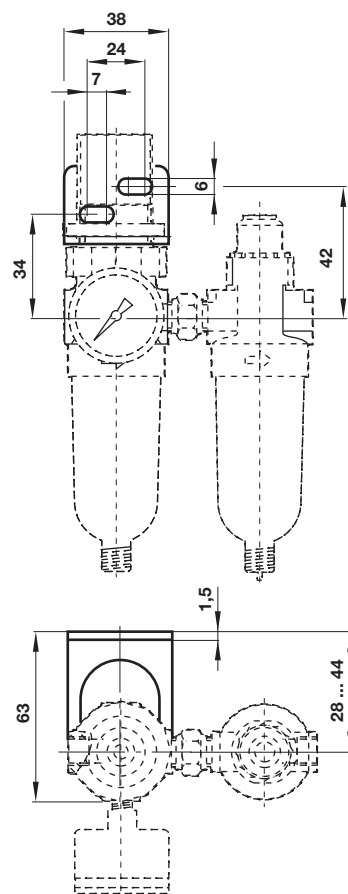
## Accessories



## 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
					
<b>1 &amp; 4</b>	<b>4</b>	<b>3</b>	<b>7</b>	<b>6</b>	<b>6</b>
18-025-003 (with plastic nut)	2962-04 (Metal)	18-001-092	6700-30	2117-01	18-013-990 (0 ... 4 bar)
18-025-004 (with metal nut)	2962-89 (Plastic)				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**

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**»Technical features/data«.**

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## BL84 -Filter/regulator - Lubricator Combination Units Excelon® Plus Modular System

- > 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.
- > Light weight polycarbonate bowl
- > Metal bowl with prismatic liquid level indicator lens
- > High Corrosion resistance: Body and Metal bowl with electrophoretic paint finish
- > 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 with Geolast seals

Transparent Bowl : Polycarbonate with Polypropylene Guard.

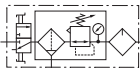
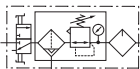
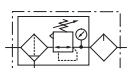
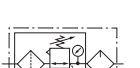
Metal Bowl: Die cast Aluminium with PA liquid level indicator lens

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



**Option selector \*1)**
**BL84-★★★★**

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

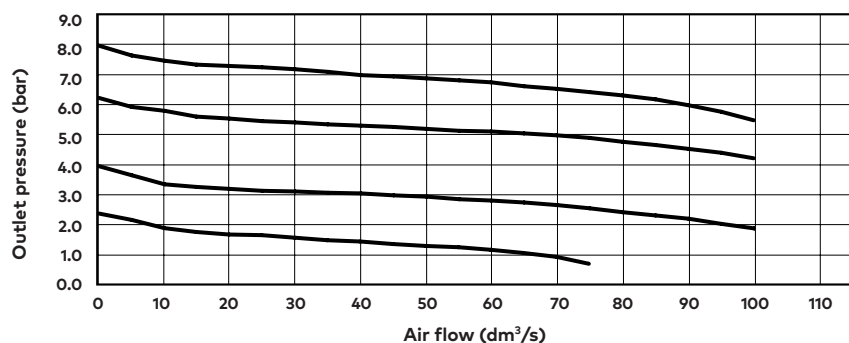
Thread form	Substitute
PTF	<b>A</b>
ISO G parallel (standard)	<b>G</b>
Accessories	Substitute
Shutt-off valve & gauge & brackets	<b>1</b>
Gauge & bracket	<b>5</b>

\*1) All models shown here are applicable for

## Flow characteristics

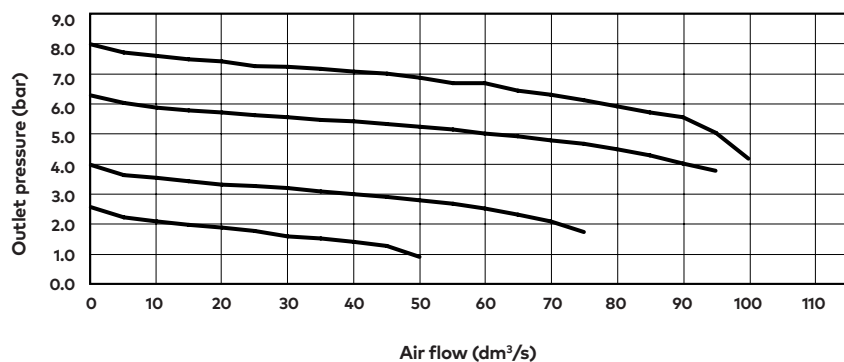
Inlet pressure: 10 bar (145 psi)

Port size: 1/2", 40 µm element



Inlet pressure: 10 bar (145 psi)

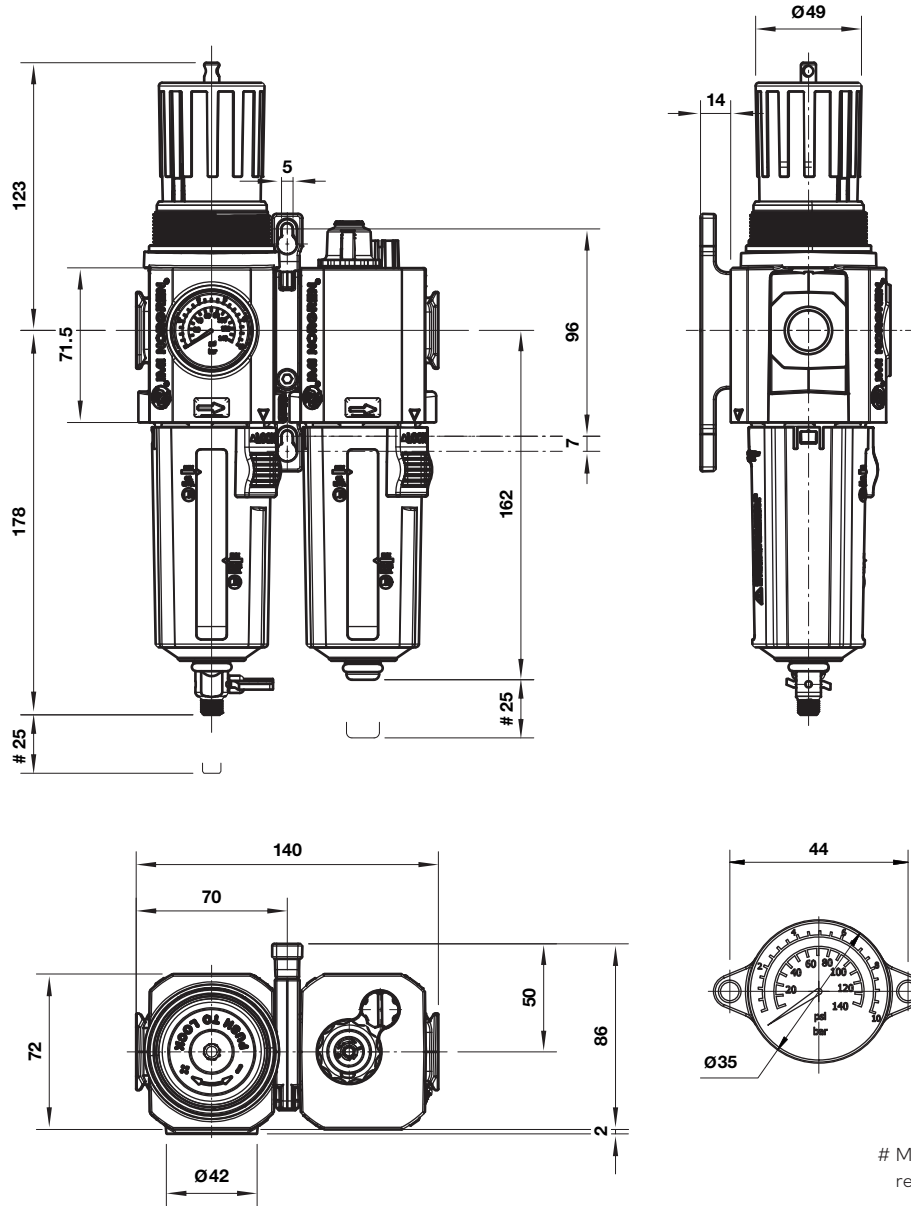
Port size: 3/8", 40 µm element





## Dimensions

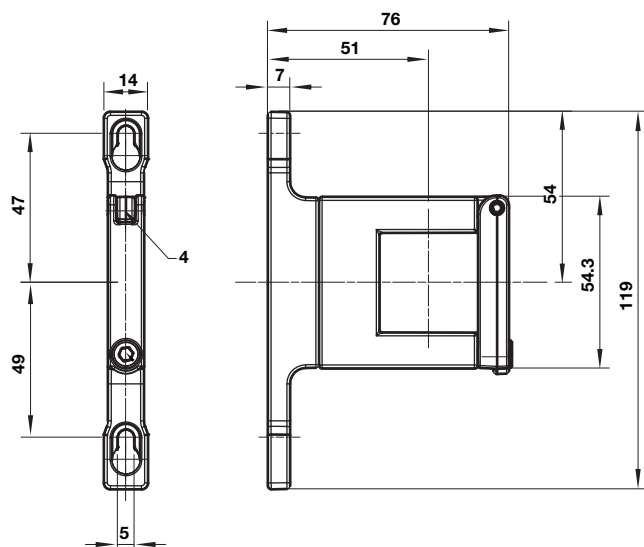
Dimensions in mm



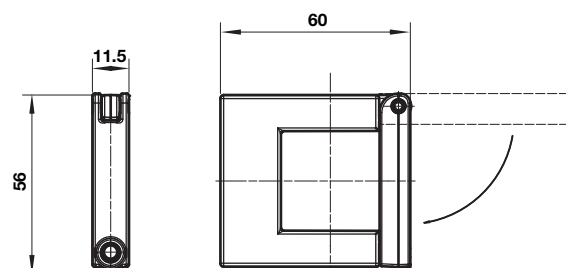
# Minimum clearance for bowl  
removal

## Accessories

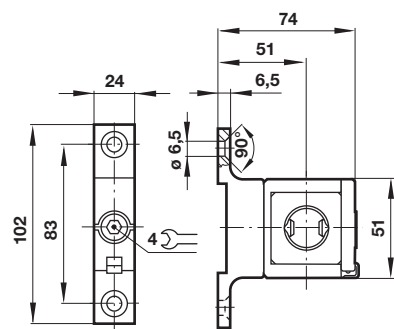
### Quikclamp® with wall bracket



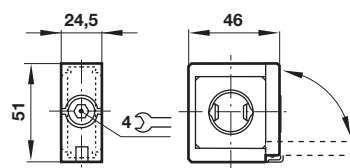
### Quikclamp®



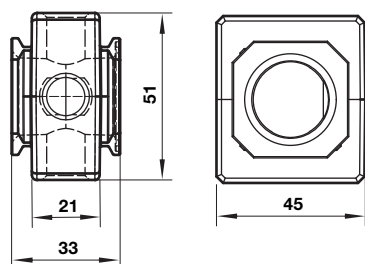
### Hybrid-Quikclamp® with wall bracket



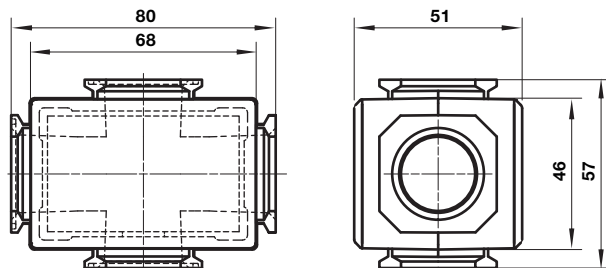
### Hybrid-Quikclamp®



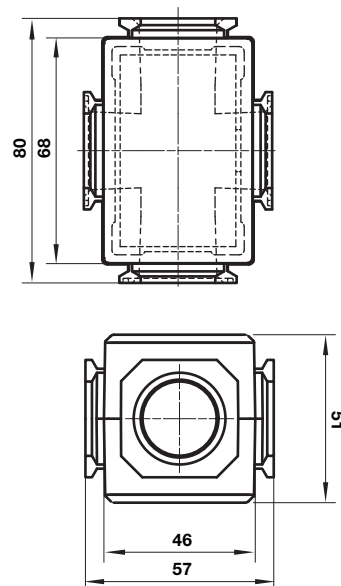
### Pressure sensing block



### Full flow porting block horizontal



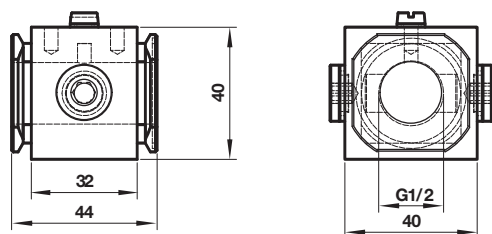
### Full flow porting block vertical



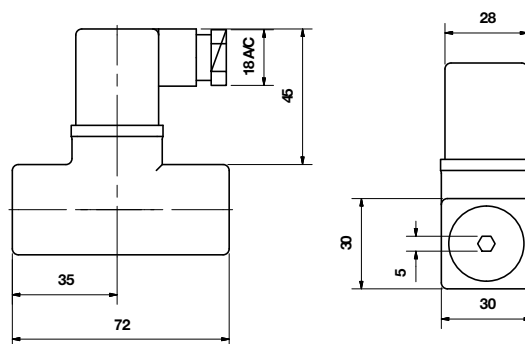
Dimensions in mm  
Projection/First angle



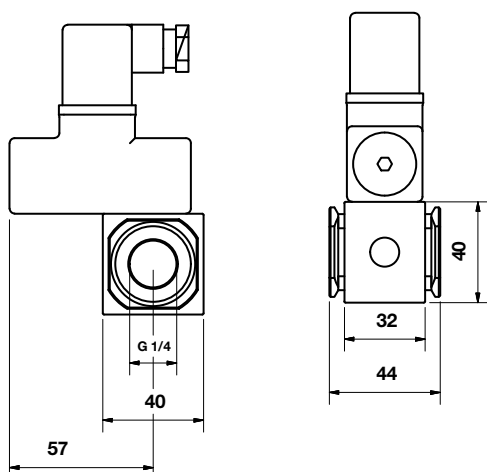
### Porting block for 18D pressure switch



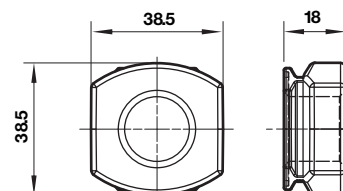
### 18D Pressure switch



### 18D Porting block and 18D assembled

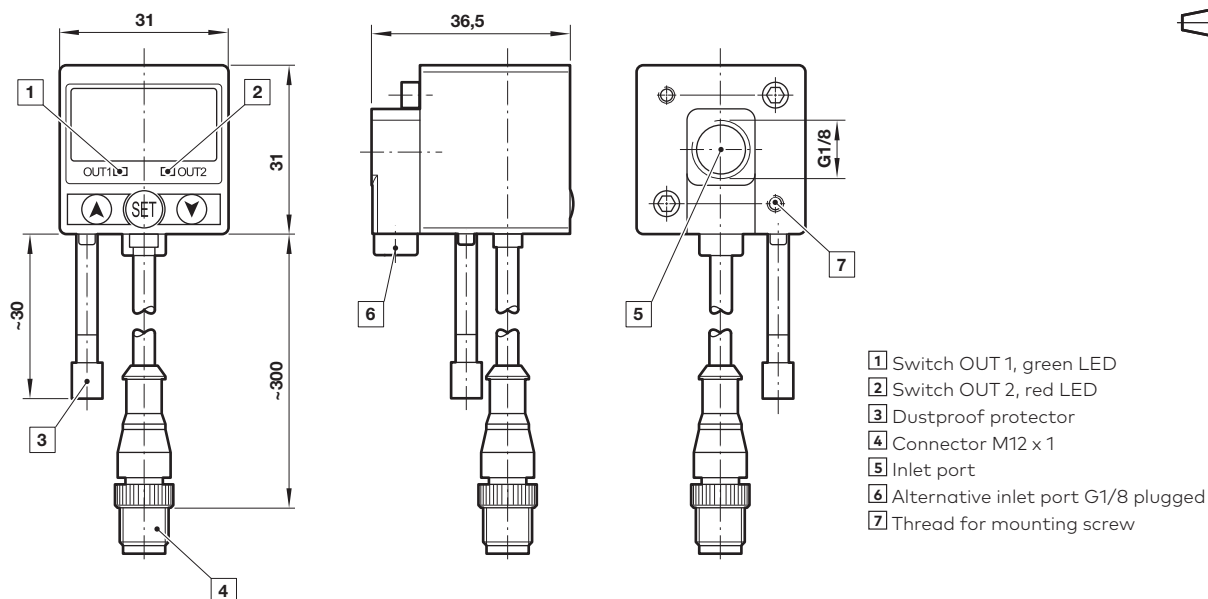


### Pipe adaptor



## 51D Pressure switch - digital

Dimensions in mm  
Projection/First angle



### Warning

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## BL64 - Olympian Plus plug-in system Filter/regulators and lubricators



- > **Port size:** 1/4" ... 3/4"  
(ISO G/PTF)
- > **Complete air processing units**  
pre-assembled,  
ready to install



### Technical features

#### Medium:

Compressed air only

#### Maximum operating pressure:

17 bar (246 psi)

#### Pressure range:

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

#### Port sizes:

G1/4, G3/8, G1/2 or G3/4

#### Gauge ports:

Rc 1/8

#### Relieving:

Standard

#### Element:

40 µm

#### Drain:

Manual or automatic

#### Automatic drain conditions:

Pressure to close drain:

> 0,3 bar (4.3 psi)

Pressure to open drain:

< 0,2 bar (2.9 psi)

Minimum air flow to close drain:

0,6 dm³/s (1.3 scfm)

#### Bowl size (lubricator):

0,2 litre (7 fluid oz)

#### Ambient/Media temperature:

-20° ... +80°C (-4 ... +176°F)

Version with gauge:

-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 and yoke: Zinc alloy

Connection piece: Aluminium

Metal bowl: Aluminium

Prismatic liquid level indicator:

Grilamid

Sight dome: transparent PA

Element: Sintered bronze or plastic

Elastomers: NBR

### Please contact IMI Norgren for following options:

#### Pressure range:

0,3 ... 4 bar (4 ... 58 psi)

0,7 ... 17 bar (2 ... 250 psi)

#### Port size:

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

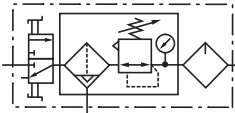
#### Element:

5 µm

#### Bowl size (lubricator):

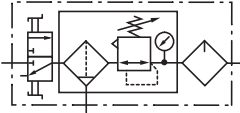
1 litre

### Technical data BL64 - standard models; automatic drain





Symbol	Port size	Size	Pressure range (bar)	Element (µm)	Drain	Lubricator	Mounting	Gauge	Shut-off valve	Model
	G1/4	—	0,3 ... 10	40	Automatic	Micro fog	Bracket	With	With	BL64-201
	G3/8	—	0,3 ... 10	40	Automatic	Micro fog	Bracket	With	With	BL64-301
	G1/2	Basic	0,3 ... 10	40	Automatic	Micro fog	Bracket	With	With	BL64-401
	G3/4	—	0,3 ... 10	40	Automatic	Micro fog	Bracket	With	With	BL64-601
	G1/4	—	0,3 ... 10	40	Automatic	Oil fog	Bracket	With	With	BL64-211
	G3/8	—	0,3 ... 10	40	Automatic	Oil fog	Bracket	With	With	BL64-311
	G1/2	Basic	0,3 ... 10	40	Automatic	Oil fog	Bracket	With	With	BL64-411
	G3/4	—	0,3 ... 10	40	Automatic	Oil fog	Bracket	With	With	BL64-611
	G1/4	—	0,3 ... 10	40	Automatic	Micro fog	—	With	With	BL64-202
	G3/8	—	0,3 ... 10	40	Automatic	Micro fog	—	With	With	BL64-302
	G1/2	Basic	0,3 ... 10	40	Automatic	Micro fog	—	With	With	BL64-402
	G3/4	—	0,3 ... 10	40	Automatic	Micro fog	—	With	With	BL64-602
	G1/4	—	0,3 ... 10	40	Automatic	Oil fog	—	With	With	BL64-212
	G3/8	—	0,3 ... 10	40	Automatic	Oil fog	—	With	With	BL64-312
	G1/2	Basic	0,3 ... 10	40	Automatic	Oil fog	—	With	With	BL64-412
	G3/4	—	0,3 ... 10	40	Automatic	Oil fog	—	With	With	BL64-612








## Technical data BL64 - standard models, manual drain

Symbol	Port size	Size	Pressure range (bar)	Element (µm)	Drain	Lubricator	Mounting	Gauge	Shut-off valve	Model
	G1/4	—	0,3 ... 10	40	Manual	Micro fog	Bracket	With	With	BL64-221
	G3/8	—	0,3 ... 10	40	Manual	Micro fog	Bracket	With	With	BL64-321
	G1/2	Basic	0,3 ... 10	40	Manual	Micro fog	Bracket	With	With	BL64-421
	G3/4	—	0,3 ... 10	40	Manual	Micro fog	Bracket	With	With	BL64-621
	G1/4	—	0,3 ... 10	40	Manual	Oil fog	Bracket	With	With	BL64-231
	G3/8	—	0,3 ... 10	40	Manual	Oil fog	Bracket	With	With	BL64-331
	G1/2	Basic	0,3 ... 10	40	Manual	Oil fog	Bracket	With	With	BL64-431
	G3/4	—	0,3 ... 10	40	Manual	Oil fog	Bracket	With	With	BL64-631
	G1/4	—	0,3 ... 10	40	Manual	Micro fog	—	With	With	BL64-222
	G3/8	—	0,3 ... 10	40	Manual	Micro fog	—	With	With	BL64-322
	G1/2	Basic	0,3 ... 10	40	Manual	Micro fog	—	With	With	BL64-422
	G3/4	—	0,3 ... 10	40	Manual	Micro fog	—	With	With	BL64-622
	G1/4	—	0,3 ... 10	40	Manual	Oil fog	—	With	With	BL64-232
	G3/8	—	0,3 ... 10	40	Manual	Oil fog	—	With	With	BL64-332
	G1/2	Basic	0,3 ... 10	40	Manual	Oil fog	—	With	With	BL64-432
	G3/4	—	0,3 ... 10	40	Manual	Oil fog	—	With	With	BL64-632

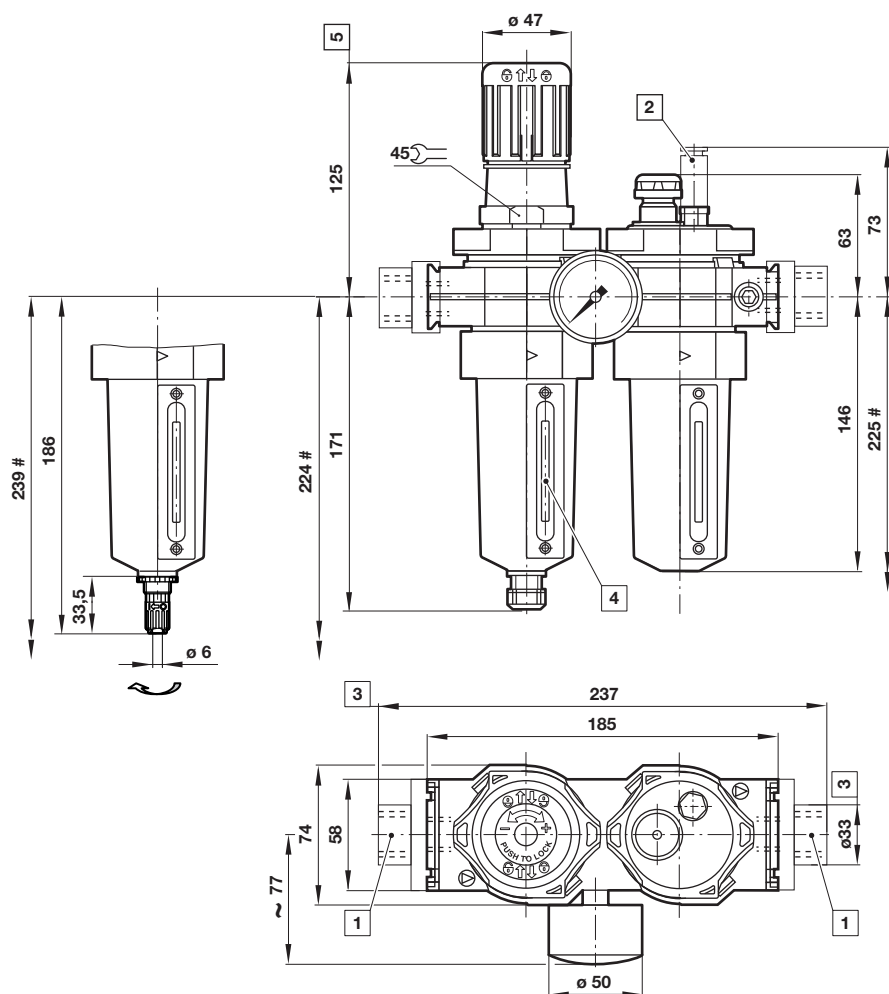
## Accessories

	3/2 Shut-off valve Threaded inlet only	Threaded outlet only	End connector kit	Rear entry bracket kit
				
<b>Thread</b>				
G1/4	T64T-2GB-P1N	T64T-2GC-P1N	—	—
G3/8	T64T-3GB-P1N	T64T-3GC-P1N	—	—
G1/2	T64T-4GB-P1N	T64T-4GC-P1N	74505-50	—
G3/4	T64T-6GB-P1N	T64T-6GC-P1N	74505-53	18-026-981
1/4 PTF	T64T-2AB-P1N	T64T-2AC-P1N	—	—
3/8 PTF	T64T-3AB-P1N	T64T-3AC-P1N	—	—
1/2 PTF	T64T-4AB-P1N	T64T-4AC-P1N	74505-52	—
3/4 PTF	T64T-6AB-P1N	T64T-6AC-P1N	74505-55	—

Quick fill device	Tamper resistant cap & seal wire	Yoke connector kit	Porting block	Padlock with two keys
				
18-011-024	4355-51	74503-51	74507-50	0613633 (brass)

## Basic dimensions

Dimensions in mm  
Projection/First angle



# Minimum clearance required to remove bowl

1 Main ports 1/4", 3/8", 1/2" or 3/4"

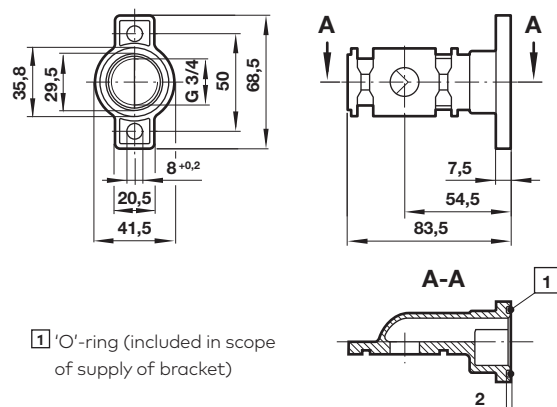
2 Quick fill device

3 For main ports 3/4" only

4 Sight glass

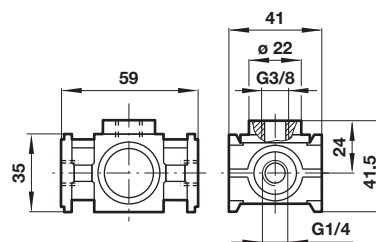
5 Reduces by 4 mm with knob in locked position

### Rear entry bracket 18-026-981

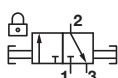


### Porting block 74507-50

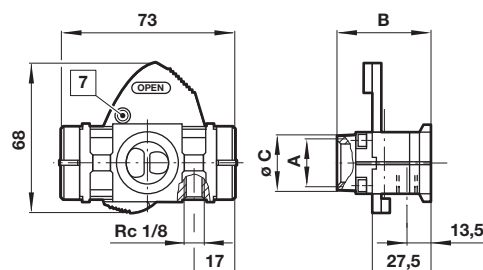
Dimensions in mm  
Projection/First angle



### 3/2 Shut-off valve

Symbol	A	B	ø C	Model
	G1/4	48	27	T64T-2G*-P1N
	G3/8	48	27	T64T-3G*-P1N
	G1/2	48	27	T64T-4G*-P1N
	G3/4	51	33	T64T-6G*-P1N

\* B = Threaded inlet only, C = Threaded outlet only



7 Padlock hole ø7,5 mm

### Warning

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#### »Technical features/data«.

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## TB84 - Filter- Regulator - Combination Units Excelon® Plus Modular System

- > 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
- > Shut off valve & Filter-Regulator with tamper resistance feature.
- > Light weight polycarbonate bowl
- > Metal bowl with prismatic liquid level indicator lens
- > High Corrosion resistance: Body and Metal bowl with Electrophoretic Paint finish
- > Easy to read flush mounted integrated pressure gauge as standard
- >  DoC in accordance with 2014/34/EU/ATE



### 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 with Geolast seals

Transparent Bowl :

Polycarbonate with Polypropylene Guard.

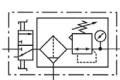
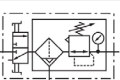
Metal Bowl: Die cast Aluminium with PA liquid level indicator lens

Filter element: sintered PP

Bowl 'o'- ring: Chloroprene

Elastomers: NBR

### Technical data TB84 - standard models

Symbol	Port size	Shut off valve	Drain	Weight (kg)	Model *1)
	3/8"	With	Manual	1,27	TB84-321G
	1/2"	With	Manual	1,27	TB84-421G
	3/4"	With	Manual	1,27	TB84-621G
	3/8"	With	Auto	1,27	TB84-301G
	1/2"	With	Auto	1,27	TB84-401G
	3/4"	With	Auto	1,27	TB84-601G

\*1) All models shown here are supplied with guarded transparent bowl, brackets and integrated gauge applicable for flow direction left to right

**Option selector \*1)**
**TB84-★★1★**

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

Thread form	Substitute
PTF	A
ISO G parallel (standard)	G

\*1) All models shown here are applicable for flow

**Excelon Plus adheres to the following harmonised standard and technical specifications:**

2014/34/EU Equipment and protective systems intended for use in potentially explosive atmospheres.

The following harmonised standards and technical specifications have been applied ISO 4414:2010 – Pneumatic fluid power – General rules and safety requirements for systems and their components; ISO 80079-36:2016 – Explosive atmospheres – Part 36: Non-electrical equipment for explosive atmospheres – Basic method and requirements; ISO 80079-37:2016 – Explosive atmospheres Part 37: Non-electrical equipment for explosive atmospheres – Non-electrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k".

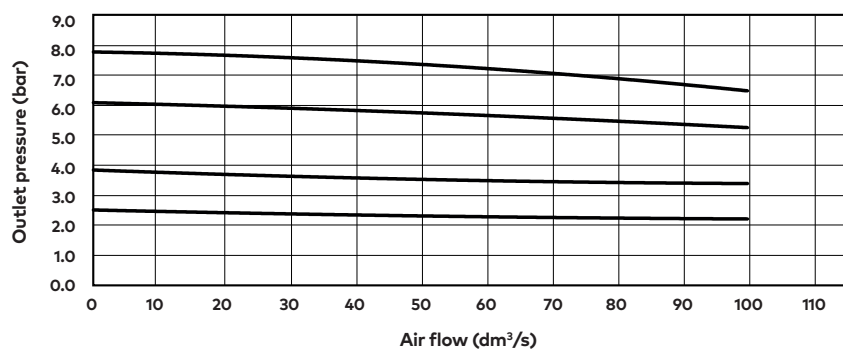

**II 2 GD**
**Ex h IIC T6 Gb**
**Ex h IIIC T85°C Db**
**ATEX Certification No.: NORGREN 18.0001X**

## Flow characteristics

Inlet pressure: 10 bar (145 psi)

Range: 0.3...10 bar (4...145 psi)

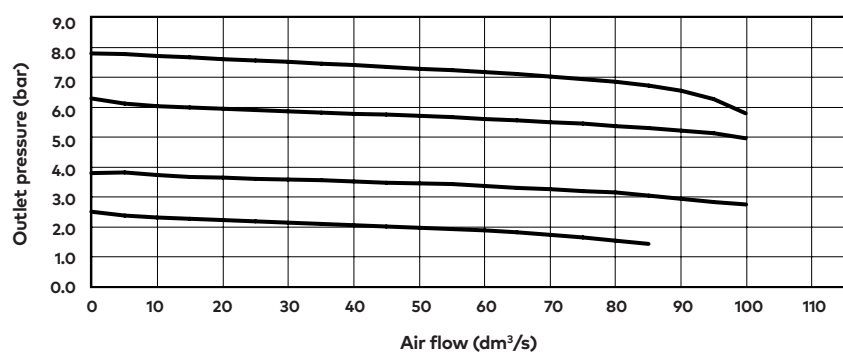
Port size: 1/2", 40 µm element



Inlet pressure: 10 bar (145 psi)

Range: 0.3...10 bar (4...145 psi)

Port size: 3/8", 40 µm element



**Quikclamp®  
with bracket assembled**

**Page 8**

840014-52KIT

**Hybrid Quikclamp® \*1**

**Page 8**

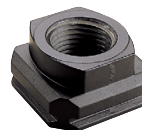
840014-61

**Hybrid Quikclamp® with  
bracket assembled \*1**

**Page 8**

840014-62

\*1) To connect new Excelon Plus to old Excelon 74/73 units.  
Having the same hole centres as 74 series mounting  
bracket.  
A Quikclamp adds 13.6 mm to the overall width of a  
combination unit

**Port Adaptors**

**Page 9**

1/4 PTF	840015-01KIT
3/8 PTF	840015-02KIT
1/2 PTF	840015-03KIT
3/4 PTF	840015-04KIT
G1/4	840015-09KIT
G3/8	840015-10KIT
G1/2	840015-11KIT
G3/4	840015-12KIT

**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

**Pressure sensing block  
1/4 PTF**

**Page 8**

840016-50KIT

**Pressure sensing block  
G1/4**

**Page 8**

840016-51KIT

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

**Page 9**

840028-50KIT

**Full flow porting block  
G3/4**

**Page 9**

840028-53KIT

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

**Page 9**

840028-68KIT

**Full flow porting block  
G3/4**

**Page 9**

840028-69KIT

**Pressure switch interface  
block (18D pressure switch)  
G1/4**

**Page 9**

0337717000000000

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

**Page 9**

0881300

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

**Page 10**

0860810

**Electronic Pressure Sensor  
– stand alone version \*3**


Q84G

**IO-Link cables**
**Connection cable M8x1 for integrated digital pressure switch**


Description	Cable length (m)	Model
M8 female to M12 male	0,6	NC-084FS-124MS-A
	1,0	NC-084FS-124MS-1
	2,0	NC-084FS-124MS-2
	5,0	NC-084FS-124MS-5
M8 female to free end	5,0	NC-084FS-00000-5

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

## 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

**Sinter bronze silencer \*3)  
G1/4**



T40C2800

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

## Maintenance/Service

**Filter cartridge  
40 micron**



840038-51KIT

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



6000-61KIT

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



6000-60KIT

**R84 / B84  
Elastomer Kit**



FRLB84-KIT

## 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)**



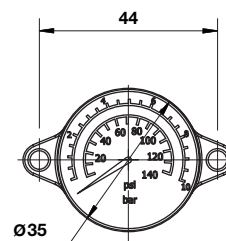
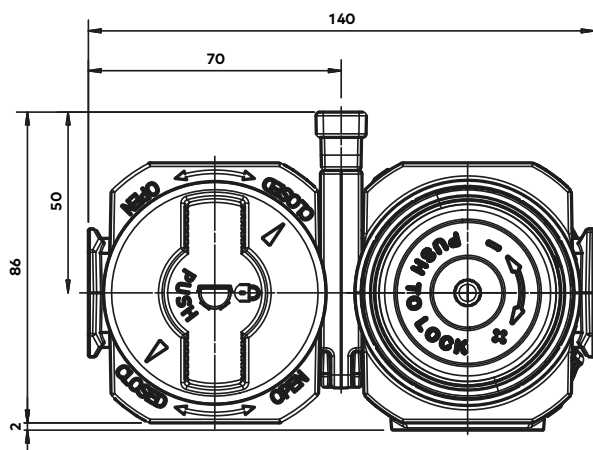
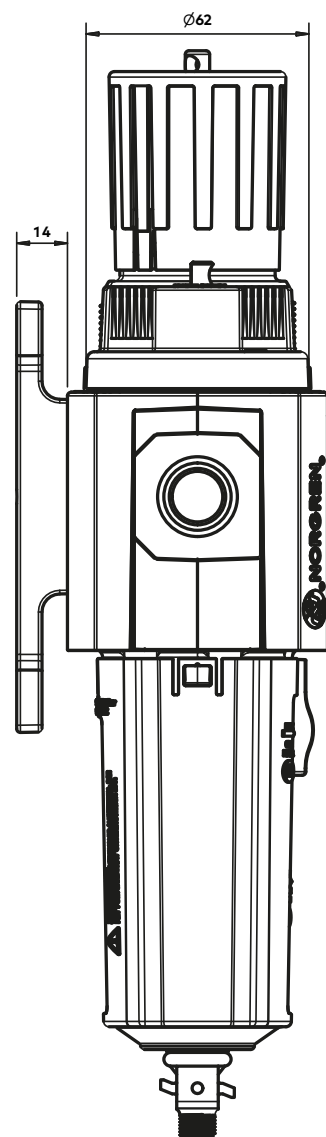
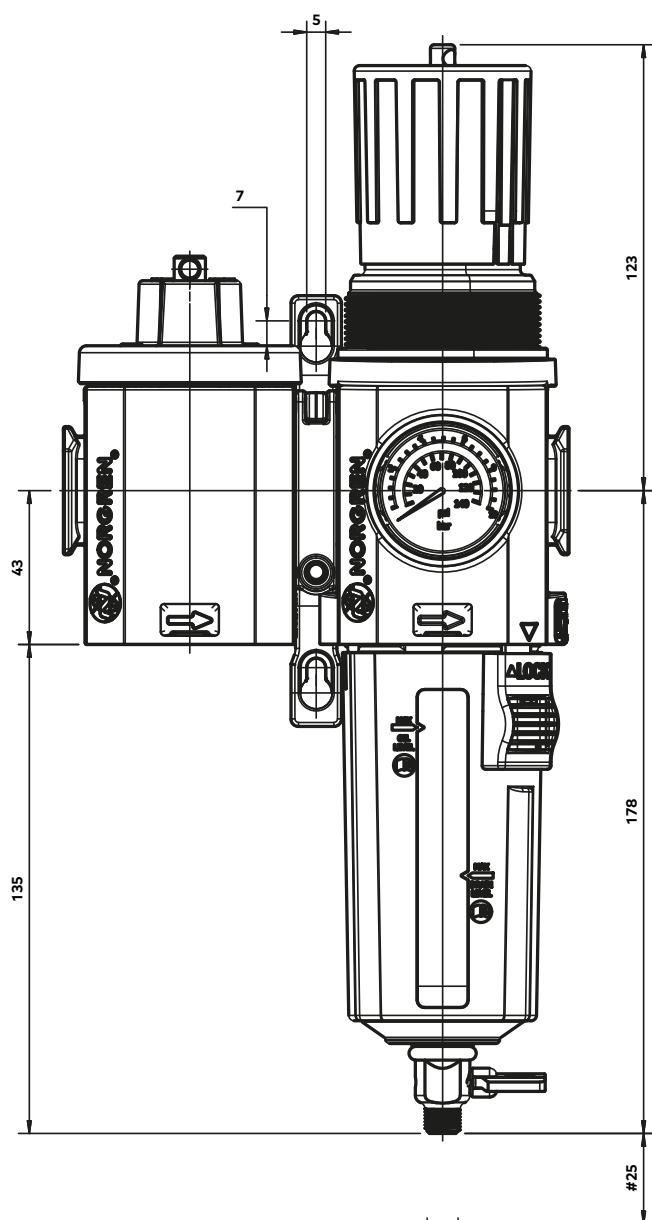
840003-56KIT



## Dimensions

### Shut-off valve, Filter- Regulator

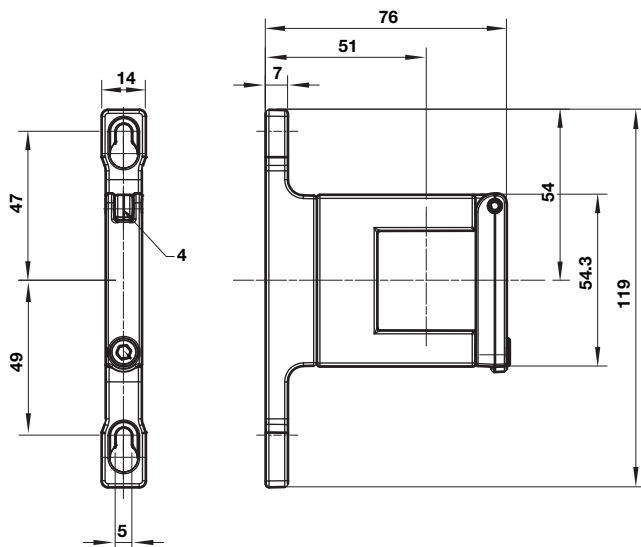
Dimensions in mm  
Projection/First angle



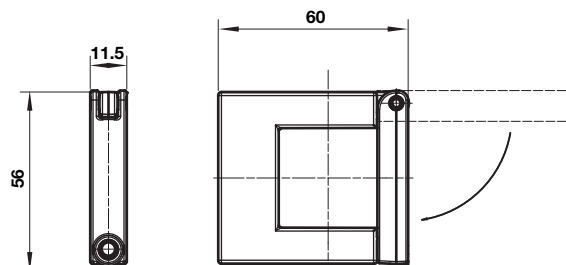
# Minimum clearance for bowl removal

## Accessories

### Quikclamp® with wall bracket



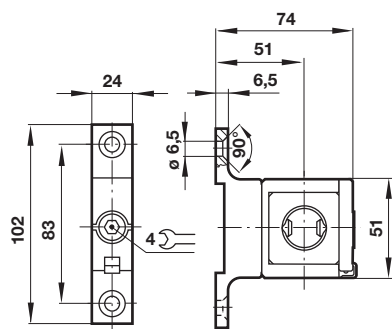
### Quikclamp®



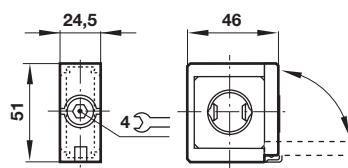
Dimensions in mm  
Projection/First angle



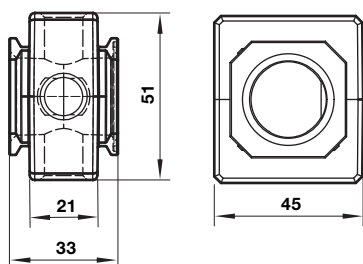
### Hybrid-Quikclamp® with wall bracket



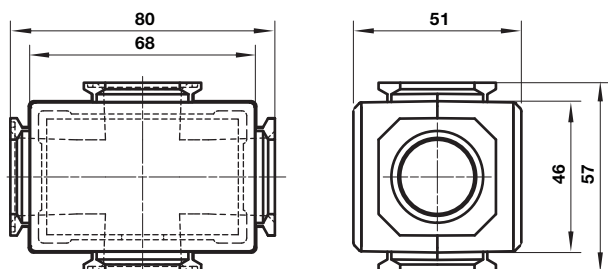
### Hybrid-Quikclamp®



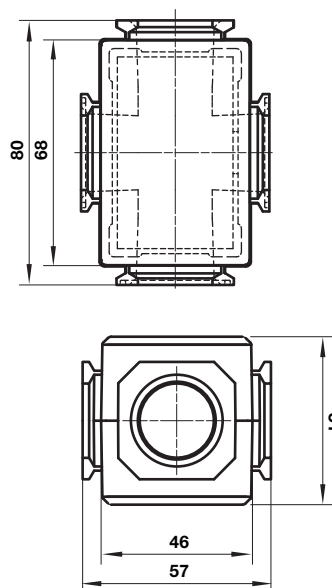
### Pressure sensing block



### Full flow porting block horizontal



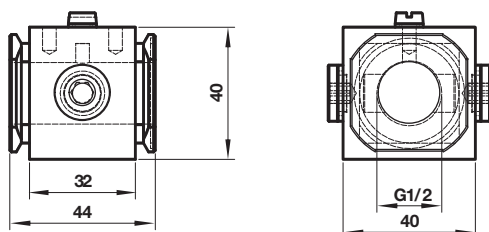
### Full flow porting block vertical



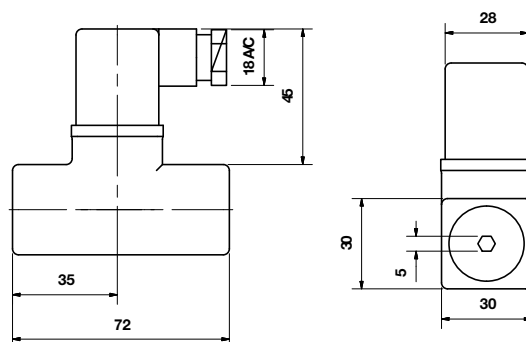
Dimensions in mm  
Projection/First angle



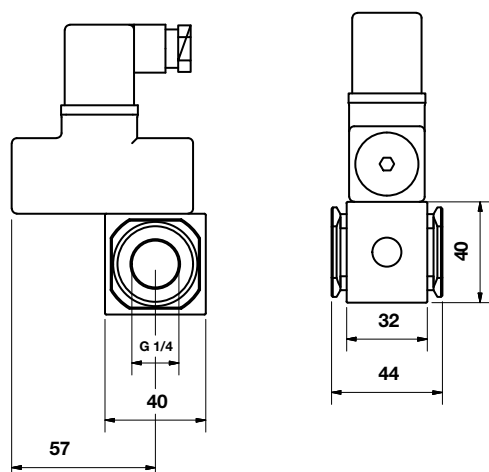
### Porting block for 18D pressure switch



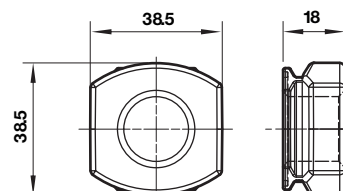
### 18D Pressure switch



### 18D Porting block and 18D assembled

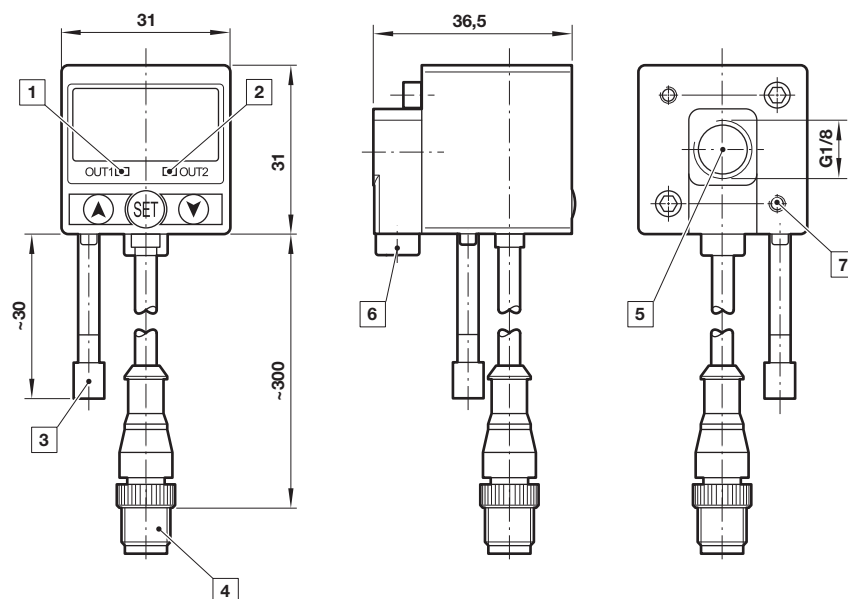


### Pipe adaptor



## 51D Pressure switch - digital

Dimensions in mm  
Projection/First angle



- 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 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.

- > **Port size:** 3/4" ... 1 1/2"  
(ISO G/ PTF)
- > **Complete air processing units pre-assembled, ready to install**



### Technical features

#### Medium:

Compressed air only

#### Maximum operating pressure:

17 bar (246 psi)

#### Pressure range:

0,4 ... 8 bar (5 ... 116 psi)

#### Port sizes:

G3/4, G1, G1 1/4 or G1 1/2

#### Gauge ports:

Rc 1/8

#### Relieving:

Standard

#### Filter element:

40 µm;

#### Drain:

Manual or automatic

#### Automatic drain conditions:

Pressure to close drain:

> 0,3 bar (4.3 psi)

Pressure to open drain:

< 0,2 bar (2.9 psi)

Minimum air flow to close drain:

0,6 dm³/s (1.3 scfm)

#### Bowl size (lubricator):

0,5 litre (17 fluid oz)

#### Ambient/Media temperature:

-20° ... +80°C ( -4° ... +176°F)

Version with gauge:

-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, bowl and yoke: Aluminium

Liquid level indicator: Pyrex

Filter element: Sintered plastic

Elastomers: NBR

### Available versions on request

#### Pressure range:

0,3 ... 4 bar ( 4 ... 58 psi),

0,7 ... 17 bar (10 ... 246 psi)

#### Port size:

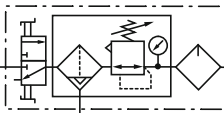
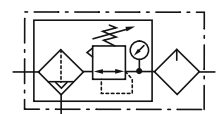
3/4 PTF, 1 PTF, 1 1/4 PTF,

1 1/2 PTF

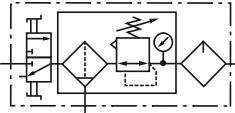
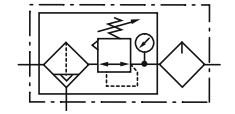
#### Element:

5 µm




### Technical data BL68 - standard models; automatic drain


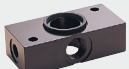

Symbol	Port size	Size	Pressure range (bar)	Element (µm)	Drain	Lubricator	Mounting	Gauge	Shut-off valve	Model
	G3/4	—	0,4 ... 8	40	Automatic	Micro fog	Bracket	With	With	BL68-601
	G1	Basic	0,4 ... 8	40	Automatic	Micro fog	Bracket	With	With	BL68-801
	G1 1/4	—	0,4 ... 8	40	Automatic	Micro fog	Bracket	With	With	BL68-A01
	G1 1/2	—	0,4 ... 8	40	Automatic	Micro fog	Bracket	With	With	BL68-B01
	G3/4	—	0,4 ... 8	40	Automatic	Oil fog	Bracket	With	With	BL68-611
	G1	Basic	0,4 ... 8	40	Automatic	Oil fog	Bracket	With	With	BL68-811
	G1 1/4	—	0,4 ... 8	40	Automatic	Oil fog	Bracket	With	With	BL68-A11
	G1 1/2	—	0,4 ... 8	40	Automatic	Oil fog	Bracket	With	With	BL68-B12
	G3/4	—	0,4 ... 8	40	Automatic	Micro fog	Bracket	With	Without	BL68-605
	G1	Basic	0,4 ... 8	40	Automatic	Micro fog	Bracket	With	Without	BL68-805
	G1 1/4	—	0,4 ... 8	40	Automatic	Micro fog	Bracket	With	Without	BL68-A05
	G1 1/2	—	0,4 ... 8	40	Automatic	Micro fog	Bracket	With	Without	BL68-B06
	G3/4	—	0,4 ... 8	40	Automatic	Oil fog	Bracket	With	Without	BL68-615
	G1	Basic	0,4 ... 8	40	Automatic	Oil fog	Bracket	With	Without	BL68-815
	G1 1/4	—	0,4 ... 8	40	Automatic	Oil fog	Bracket	With	Without	BL68-A15
	G1 1/2	—	0,4 ... 8	40	Automatic	Oil fog	Bracket	With	Without	BL68-B16

## Technical data BL68 - standard models, manual drain

Symbol	Port size	Size	Pressure range (bar)	Element (µm)	Drain	Lubricator	Mounting	Gauge	Shut-off valve	Model
	G3/4	—	0,4 ... 8	40	Manual	Micro fog	Bracket	With	With	BL68-621
	G1	Basic	0,4 ... 8	40	Manual	Micro fog	Bracket	With	With	BL68-821
	G1 1/4	—	0,4 ... 8	40	Manual	Micro fog	Bracket	With	With	BL68-A21
	G1 1/2	—	0,4 ... 8	40	Manual	Micro fog	Bracket	With	With	BL68-B22
	G3/4	—	0,4 ... 8	40	Manual	Oil fog	Bracket	With	With	BL68-631
	G1	Basic	0,4 ... 8	40	Manual	Oil fog	Bracket	With	With	BL68-831
	G1 1/4	—	0,4 ... 8	40	Manual	Oil fog	Bracket	With	With	BL68-A31
	G1 1/2	—	0,4 ... 8	40	Manual	Oil fog	Bracket	With	With	BL68-B32
	G1 1/2	—	0,4 ... 8	40	Manual	Oil fog	Bracket	With	With	BL68-B32
	G3/4	—	0,4 ... 8	40	Manual	Micro fog	Bracket	With	Without	BL68-625
	G1	Basic	0,4 ... 8	40	Manual	Micro fog	Bracket	With	Without	BL68-825
	G1 1/4	—	0,4 ... 8	40	Manual	Micro fog	Bracket	With	Without	BL68-A25
	G1 1/2	—	0,4 ... 8	40	Manual	Micro fog	Bracket	With	Without	BL68-B26
	G3/4	—	0,4 ... 8	40	Manual	Oil fog	Bracket	With	Without	BL68-635
	G1	Basic	0,4 ... 8	40	Manual	Oil fog	Bracket	With	Without	BL68-835
	G1 1/4	—	0,4 ... 8	40	Manual	Oil fog	Bracket	With	Without	BL68-A35
	G1 1/2	—	0,4 ... 8	40	Manual	Oil fog	Bracket	With	Without	BL68-B36
	G1 1/2	—	0,4 ... 8	40	Manual	Oil fog	Bracket	With	Without	BL68-B36

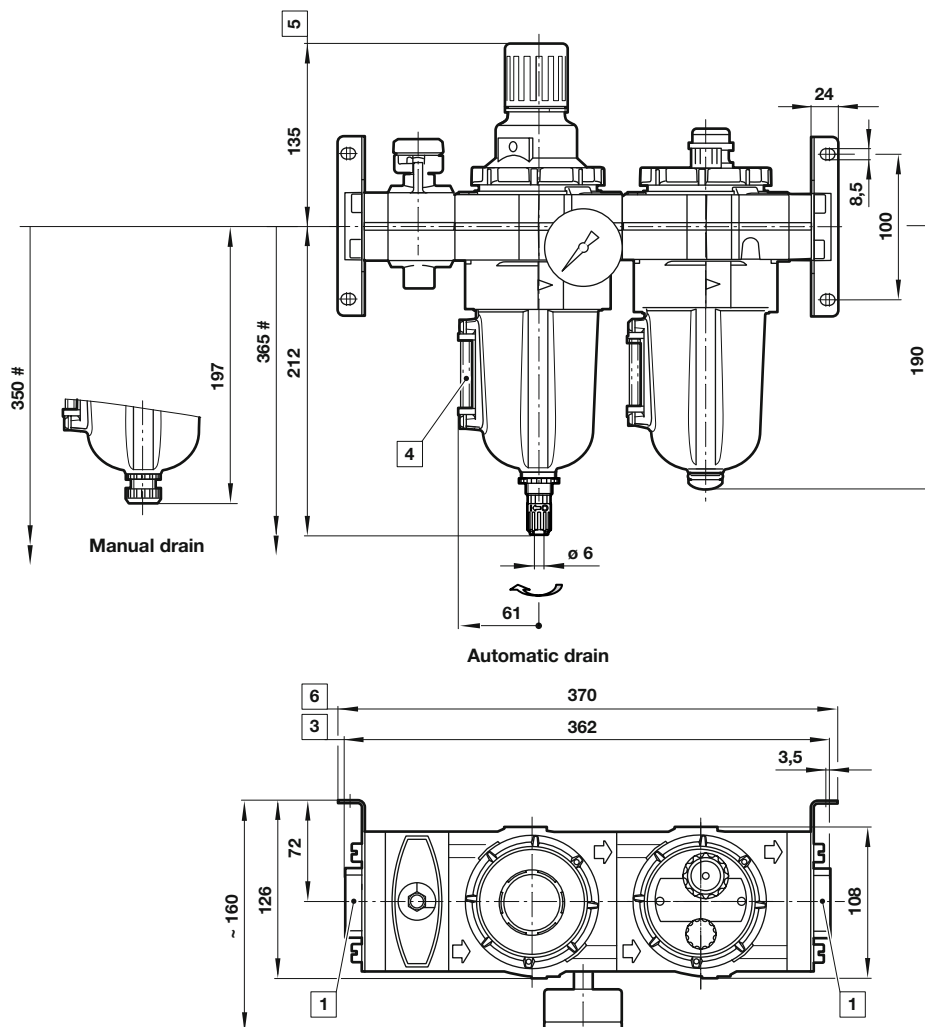
## Accessories

	3/2 Shut-off valve Threaded inlet only	Threaded outlet only	Bracket mounting
			
<b>Thread</b>			
G3/4	T68H-6GB-B2N	T68H-6GC-B2N	18-001-979
G1	T68H-8GB-B2N	T68H-8GC-B2N	18-001-979
G1 1/4	T68H-AGB-B2N	T68H-AGC-B2N	18-001-978
G1 1/2	T68H-BGB-B2N	T68H-BGC-B2N	18-001-972
3/4 PTF	T68H-6AB-B2N	T68H-6AC-B2N	18-001-979
1 PTF	T68H-8AB-B2N	T68H-8AC-B2N	18-001-979
1 1/4 PTF	T68H-AAB-B2N	T68H-AAC-B2N	18-001-978
1 1/2 PTF	T68H-BAB-B2N	T68H-BAC-B2N	18-001-972

Tamper resistant cap & seal wire	Porting block	Padlock with two keys
		
4355-51	18-026-986 (G1/4 & G1/2) 18-026-983 (1/4 & 1/2 NPT)	0613633 (brass)

**Dimensions with shut-off valve**

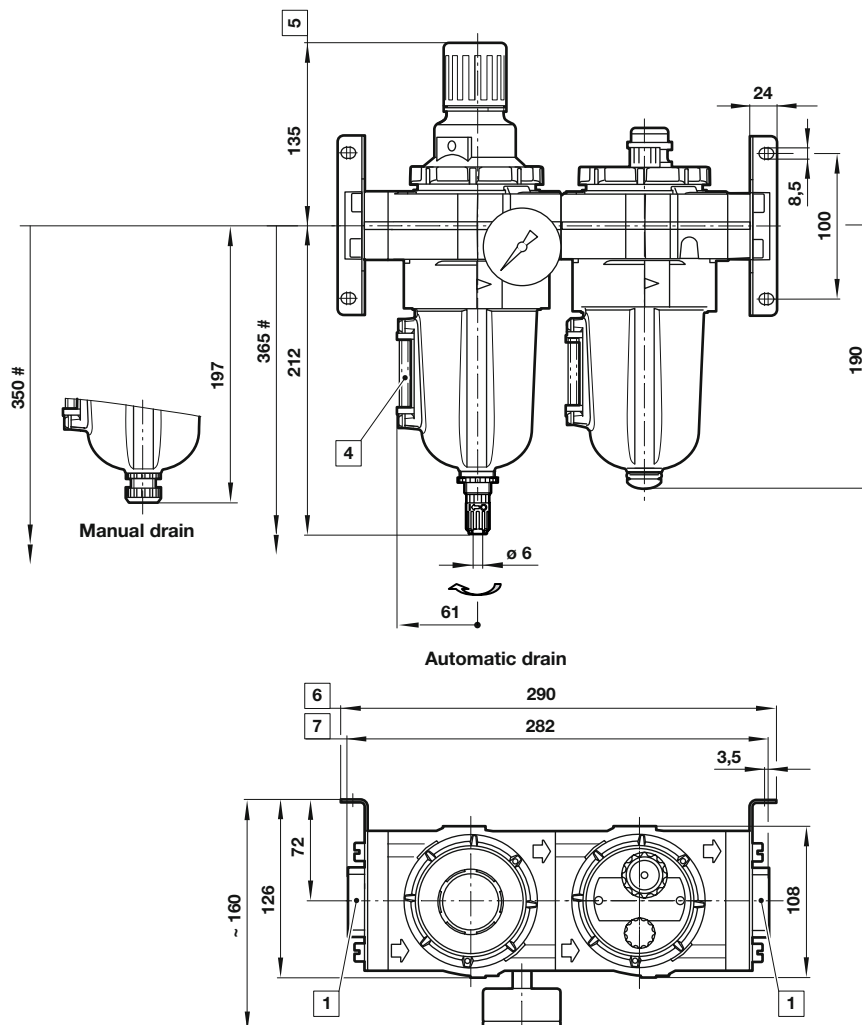
Dimensions in mm  
 Projection/First angle



- # Minimum clearance required to remove bowl
- 1 Main ports 3/4", 1", 1 1/4" or 1 1/2"
  - 2 Plus 10 mm for ports 1 1/4" or 1 1/2"
  - 3 Sight glass
  - 4 Reduces by 4 mm with knob in locked position
  - 5 Plus 10 mm for ports 1 1/4"

## Dimensions without shut-off valve

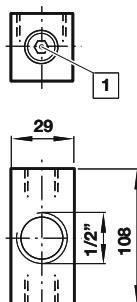
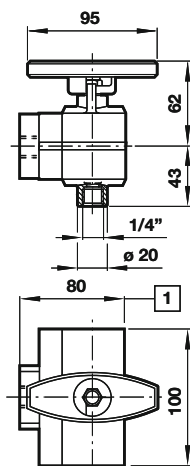
Dimensions in mm  
Projection/First angle



- # Minimum clearance required to remove bowl
- 1 Main ports 3/4", 1", 1 1/4" or 1 1/2"
  - 4 Sight glass
  - 5 Reduces by 4 mm with knob in locked position
  - 6 Plus 10 mm for ports 1 1/4"
  - 7 Plus 10 mm for ports 1 1/4" and 5 mm for 1 1/2"

## 3/2 Shut-off valve

## Porting block



1 For 1 1/2" ported yokes add 5 mm

1 Two additional plugged 1/4" ports



Алматы (7273)495-231  
Ангарск (3955)60-70-56  
Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Благовещенск (4162)22-76-07  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Владикавказ (8672)28-90-48  
Владимир (4922)49-43-18  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Коломна (4966)23-41-49  
Кострома (4942)77-07-48  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Курган (3522)50-90-47  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Ноябрьск (3496)41-32-12  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Петрозаводск (8142)55-98-37  
Псков (8112)59-10-37

Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Саранск (8342)22-96-24  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Сыктывкар (8212)25-95-17  
Тамбов (4752)50-40-97

Тверь (4822)63-31-35  
Тольятти (8482)63-91-07  
Томск (3822)98-41-53  
Тула (4872)33-79-87  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Улан-Удэ (3012)59-97-51  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Чебоксары (8352)28-53-07  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Чита (3022)38-34-83  
Якутск (4112)23-90-97  
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