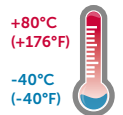


HF84G - General purpose filter For Extreme Temperature applications Excelon® Plus Modular System

- Port size: 3/8" ... 3/4" (ISO G/PTF)
- Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products
- 5 or 40 micron particle and high efficiency water removal (> 98%)
- Easy filter maintenance system. Element is removed together with the bowl for faster and cleaner servicing
- Double safety lock bowl
- Salt Spray compliant to ISO 9227
- Air purity classes in accordance to ISO8573-1:2010:
7:8:4 (40µm)
6:8:4 (5µm)
- ABS cover with High impact properties



Technical features

Medium:

Compressed air only

Maximum supply pressure:

20 bar (290 psi)

Filter element:

5 µm & 40 µm

Port size:

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

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

Flow:

78 dm³/s

at port size: 1/2",

operating pressure 6.3 bar (91 psi)

and a Δp: 0.5 bar (7.25 psi) drop

from set. 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: 1 dm³/s (2 scfm)

Ambient/Media temperature:

-40 ... +80°C (-40 ... +176°F)

Air supply must be dry enough

to avoid ice formation at

temperatures below +2°C (+35°F).

Atex:

Filters HF84 are in conformity

with Atex 2014/34/EU

 II 2 GD

Ex h IIC T6 Gb

EX h IIIC T85°C Db

Materials:

Body: Die cast aluminium

Body covers:

ABS (Magnum 3904)

Metal Bowl: Die cast Aluminium

Filter element:

sintered Polypropylene

Bowl O-ring:

Low temperature Nitrile

Elastomers:

Low temperature Nitrile

Technical data HF84G - standard models

Symbol	Port size	Drain	Filter element (µm)	Bowl	Weight (kg)	Model
	G3/8	Manual	40	Metal with level indicator	0.51	HF84G-3GN-MD3
	G1/2	Manual	40	Metal with level indicator	0.50	HF84G-4GN-MD3
	G3/4	Manual	40	Metal with level indicator	0.48	HF84G-6GN-MD3
	G3/8	Auto	40	Metal with level indicator	0.51	HF84G-3GN-AD3
	G1/2	Auto	40	Metal with level indicator	0.51	HF84G-4GN-AD3
	G3/4	Auto	40	Metal with level indicator	0.49	HF84G-6GN-AD3



Option selector

Port size	Substitute
3/8"	3
1/2"	4
3/4"	6
Thread form	Substitute
PTF	A
ISO G	G

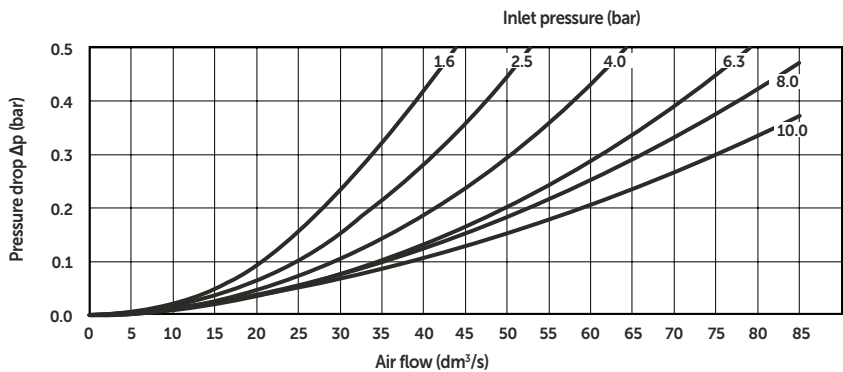
HF84G-★★N-★★★

Element	Substitute
5 µm	1
40 µm (standard)	3
Bowl	Substitute
Metal	M
Metal with level indicator	D
Drain	Substitute
Manual	M
Auto drain	A
Open ended *1) (with male thread adaptor)	N

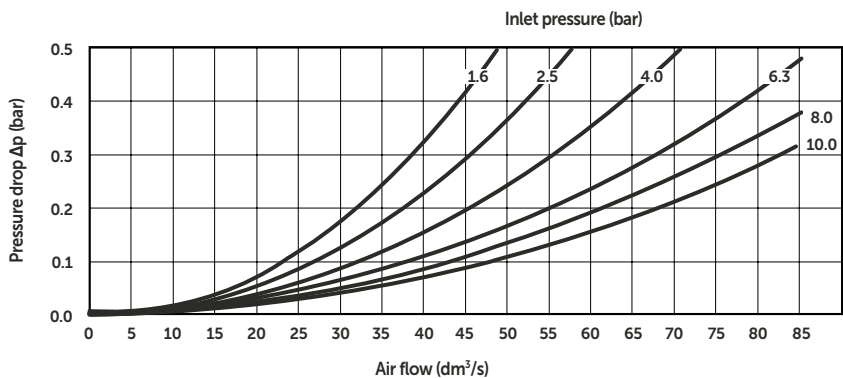
*1) Available on request

Flow characteristics

Element 40 µm
Port size: 1/2"



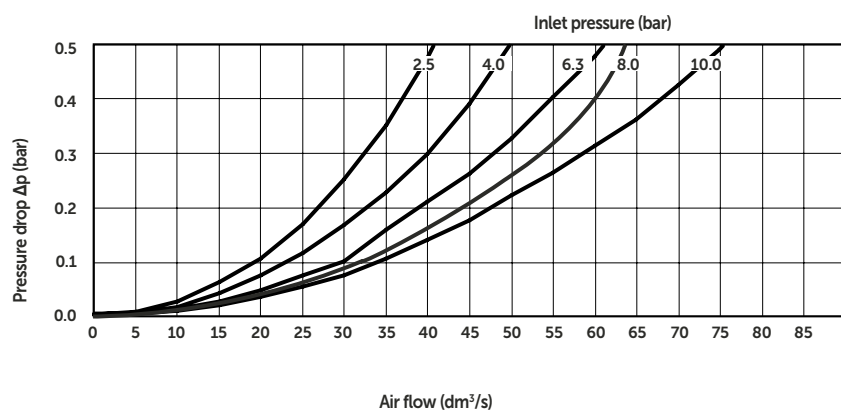
Element 5 µm
Port size: 1/2"



Flow characteristics

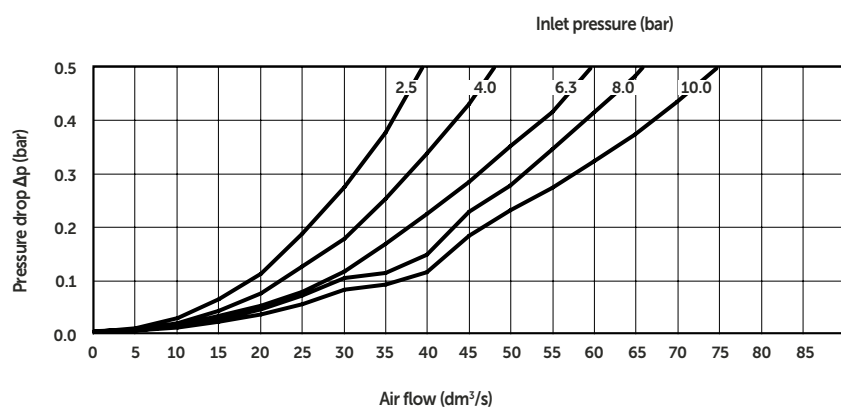
Element 40 μm

Port size: 3/8"



Element 5 μm

Port size: 3/8"



Accessories

Wall mounting bracket



Page 6

H840024-50KIT

Quickclamp



Page 6

H840014-51KIT

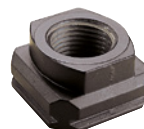
Quickclamp
with bracket assembled



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, horizon-
tal, 3/4 PTF



Page 6

H840028-50KIT

Full flow porting block, horizon-
tal, G3/4



Page 6

H840028-53KIT

Full flow porting block, vertical,
3/4 PTF



Page 6

H840028-68KIT

Full flow porting block, vertical,
G3/4



Page 6

H840028-69KIT

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



Page 8

0881300

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



Page 8

0860810

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



Page 6

0337717000000000

*2) -20 ... +60°C (-4 ... +140°F)

*4) -10°... +85°C (-14° ...+185°F)

Maintenance/Service

Filter cartridge
5 micron



H840038-50KIT

Filter cartridge
40 micron



H840038-51KIT

Auto drain kit with
metal Nut



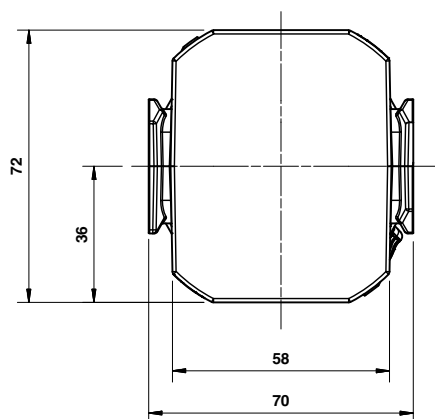
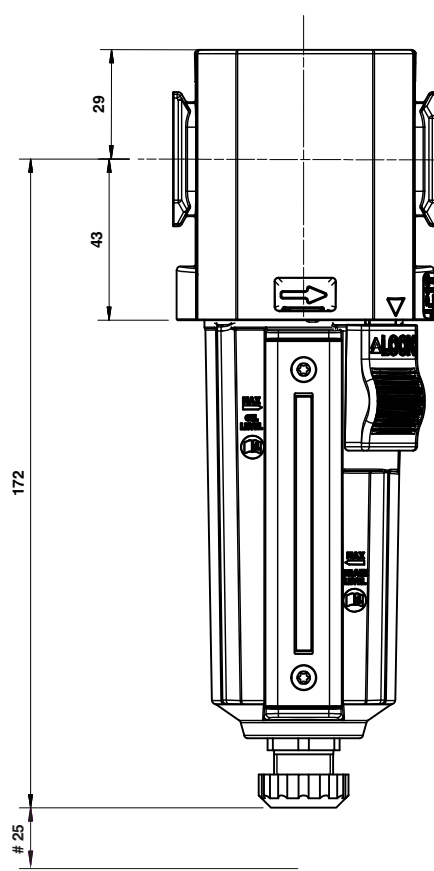
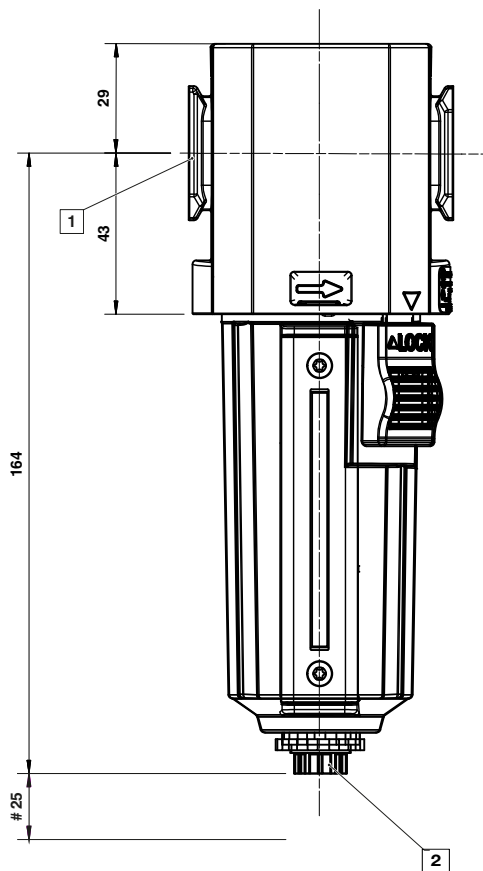
3000-40

Dimensions

Automatic Drain

Manual Drain

Dimensions in mm
Projection/First angle



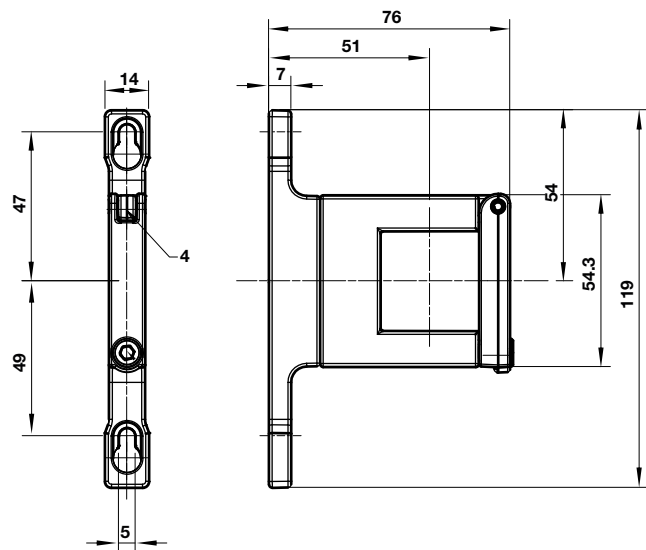
Minimum clearance for bowl removal

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

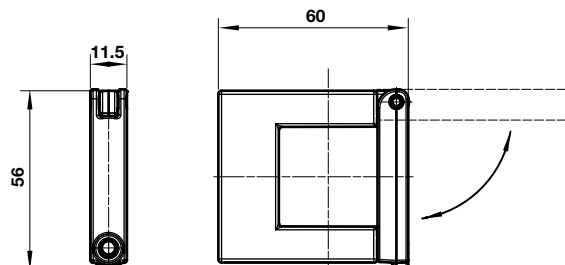
2 Port size automatic drain : G1/8

Accessories

Quikclamp with wall bracket



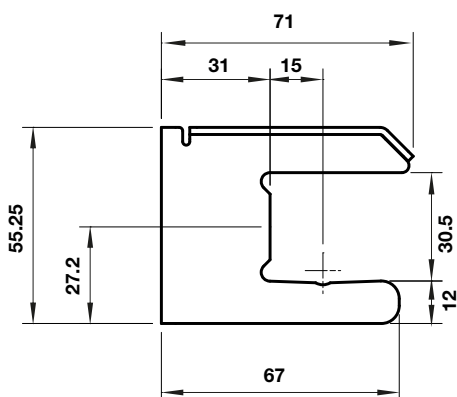
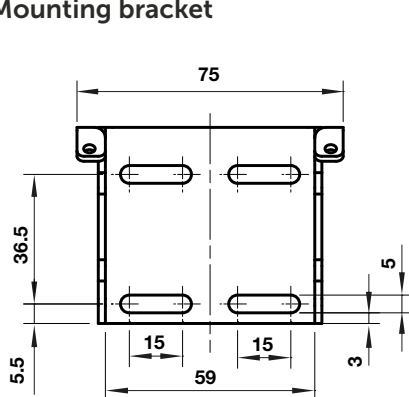
Quikclamp



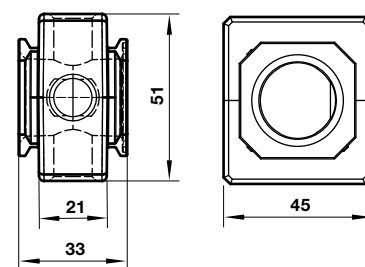
Dimensions in mm
Projection/First angle



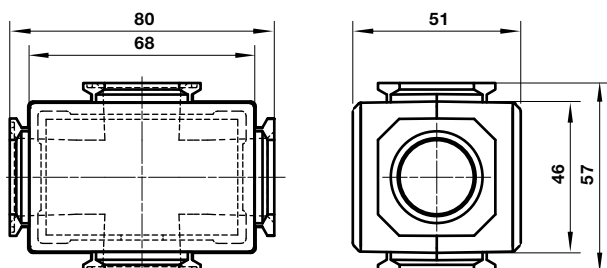
Mounting bracket



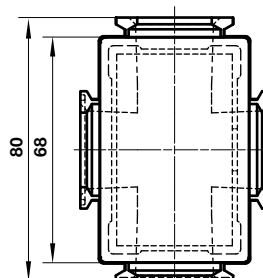
Pressure sensing block



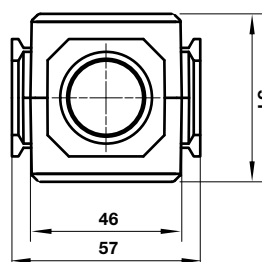
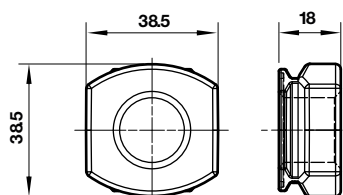
Full flow porting block horizontal



Full flow porting block vertical

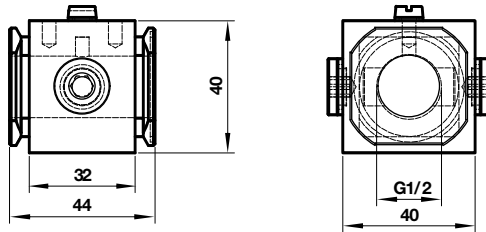


Pipe adaptor



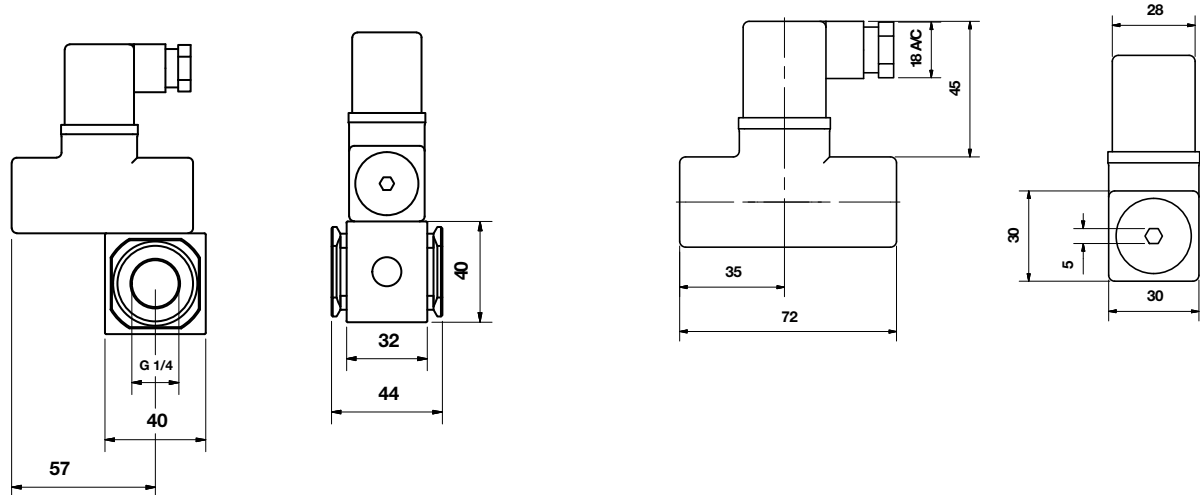
Porting block for 18D pressure switch

Dimensions in mm
Projection/First angle

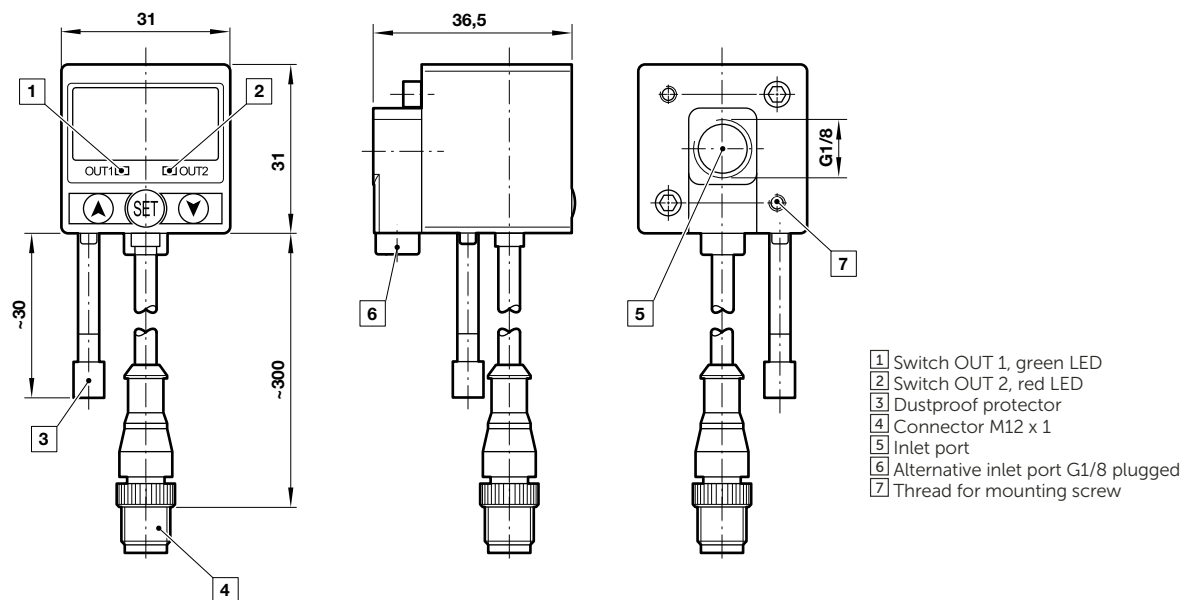


18D Porting block and 18D assembled

18D Pressure switch



51D Pressure switch - digital



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.