> **Port size: 3/8" to 3/4" (PTF/ISO G)**

> **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%)**

> **Double safety lock bowl**

> **Metal bowl with prismatic liquid level indicator lens**

> **Light weight polycarbonate bowl with guard**

> **Air purity classes in accordance to ISO8573-1: particles class 6 & 7 and liquid water class 8**

Technical features

Medium:
Compressed air only

Maximum supply pressure:
Polycarbonate bowl: 145 psi (10 bar)
Metal bowl: 290 psi (20 bar)

Filter element:
5 µm & 40 µm

Port size:
G3/8, G1/2, G3/4,
3/8 PTF, 1/2 PTF, 3/4 PTF

Flow:
165 scfm (78 dm³/s)
at port size: 1/2",
operating pressure 91 psi (6.3 bar)
and a Δp: 7.25 psi (0.5 bar) drop
from set.
Filter element: 40 µm

Drain:
Manual or automatic

Automatic drain operating conditions (float operated):
Bowl pressure required to close
drain: > 5 psi (0.35 bar)
Bowl pressure required to open
drain: ≤ 2.9 psi (0.2 bar)
Minimum air flow required to close
drain: 2 scfm (1 dm³/s)

Ambient/Media temperature:
Polycarbonate bowl:
14 to +140ºF (-10 to +60ºC)
Metal bowl:
-4 to +149ºF (-20 to +65ºC)
Air supply must be dry enough
to avoid ice formation at
temperatures below +35°F (+2°C).

Materials:
Body: Die cast aluminum
Body covers: ABS
Bowl: Transparent PC with PP guard
or die cast aluminum
Liquid level indicator lens
(metal bowl): PA
Filter element: sintered PP
Bowl 'o'- ring: Chloroprene
Elastomers: NBR

Technical data F84G - standard models

Symbol	Port size PTF	Drain	Filter element (µm)	Bowl	Weight lb (kg)	Model
	3/8	Auto	40	Guarded polycarbonate	0.8 (0.38)	F84G-3AN-AP3
	1/2	Auto	40	Guarded polycarbonate	0.8 (0.38)	F84G-4AN-AP3
	3/4	Auto	40	Guarded polycarbonate	0.8 (0.38)	F84G-6AN-AP3
	3/8	Auto	40	Metal with level indicator	1.1 (0.52)	F84G-3AN-AD3
	1/2	Auto	40	Metal with level indicator	1.1 (0.52)	F84G-4AN-AD3
	3/4	Auto	40	Metal with level indicator	1.1 (0.52)	F84G-6AN-AD3
	3/8	Manual	40	Guarded polycarbonate	0.8 (0.38)	F84G-3AN-QP3
	1/2	Manual	40	Guarded polycarbonate	0.8 (0.38)	F84G-4AN-QP3
	3/4	Manual	40	Guarded polycarbonate	0.8 (0.38)	F84G-6AN-QP3
	3/8	Manual	40	Metal with level indicator	1.1 (0.52)	F84G-3AN-QD3
	1/2	Manual	40	Metal with level indicator	1.1 (0.52)	F84G-4AN-QD3
	3/4	Manual	40	Metal with level indicator	1.1 (0.52)	F84G-6AN-QD3

Option selector

F84G-★★N-★★★

Port size	Substitute
3/8"	3
1/2"	4
3/4"	6
Thread form	**Substitute**
PTF	A
ISO G parallel	G
Drain	**Substitute**
Manual	Q
Auto drain	A

Element	Substitute
5 µm	1
40 µm	3
Bowl	**Substitute**
Transparent with guard (standard)	P
Metal with liquid indicator	D

Flow characteristics
Element 40 µm
Port size: 1/2"
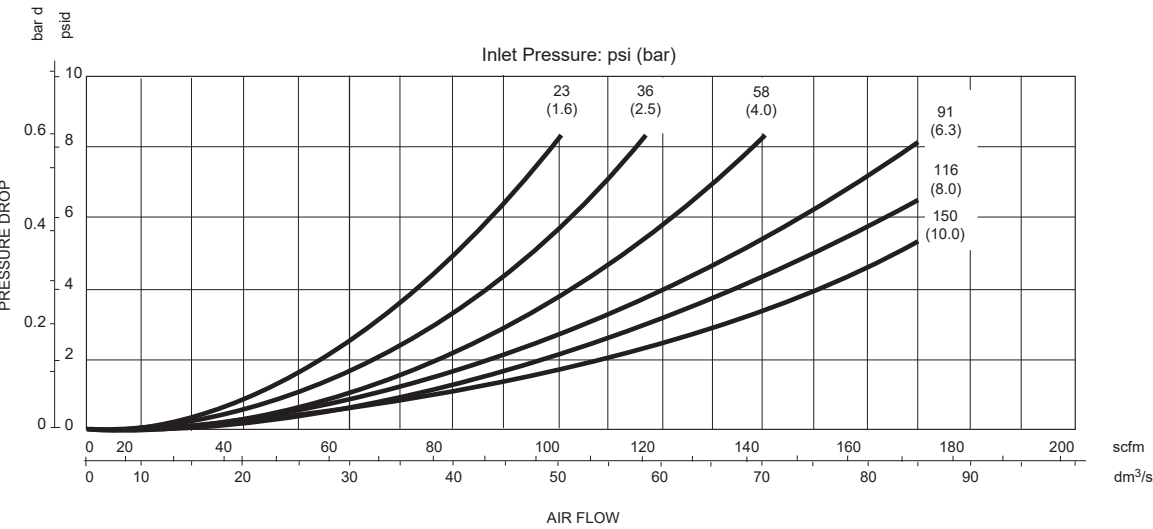
Element 5 µm
Port size: 1/2"
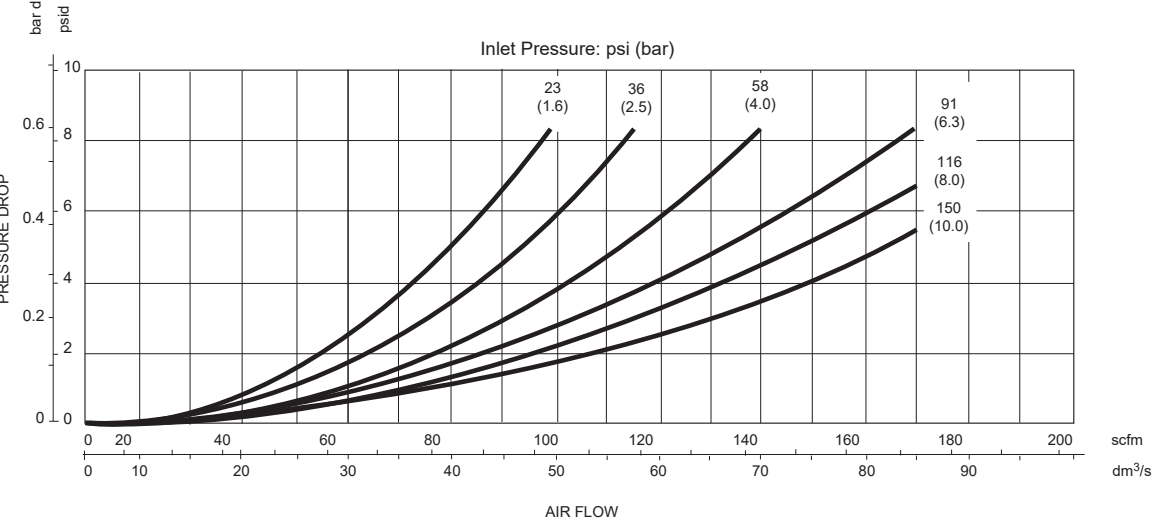
Accessories

Wall mounting bracket	Quikclamp®	Quikclamp® with bracket assembled	Pressure sensing block 1/4 PTF	Pressure sensing block G1/4
Page 6	Page 6	Page 6	Page 6	Page 6
840024-50KIT	840014-51KIT	840014-52KIT	840016-50Kit	840016-51KIT
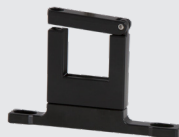
Full flow porting block 3/4 PTF	Full flow porting block G3/4	Full flow porting block 3/4 PTF	Full flow porting block G3/4
Page 6	Page 6	Page 6	Page 6
840028-68KIT	840028-69KIT	840028-50KIT	840028-53KIT

Pressure switch interface block (18D pressure switch) G1/2	Pneumatic pressure switch 18D (7 to 120 psi)	Digital pressure switch 51D (-14.5 to 145 psi)
Page 7	Page 7	Page 7
0337717000000000	0881300000000000	0860811000000000

Port Adaptors 3/8 PTF	Port Adaptors 1/2 PTF	Port Adaptors 3/4 PTF	Port Adaptors G3/8	Port Adaptors G1/2	Port Adaptors G3/4
Page 7	Page 7	Page 7	Page 7	Page 7	Page 7
840015-02KIT	840015-03KIT	840015-04KIT	840015-10KIT	840015-11KIT	840015-12KIT
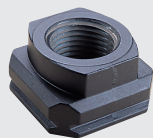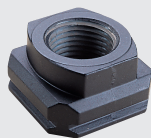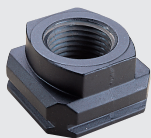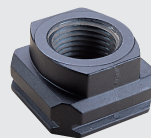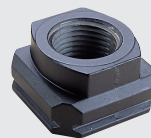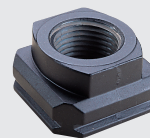
Maintenance/Service

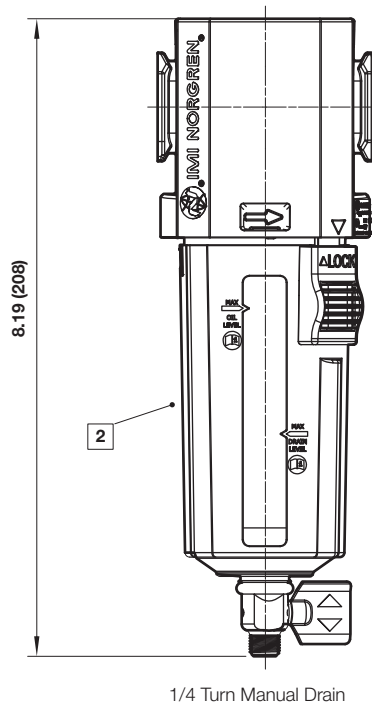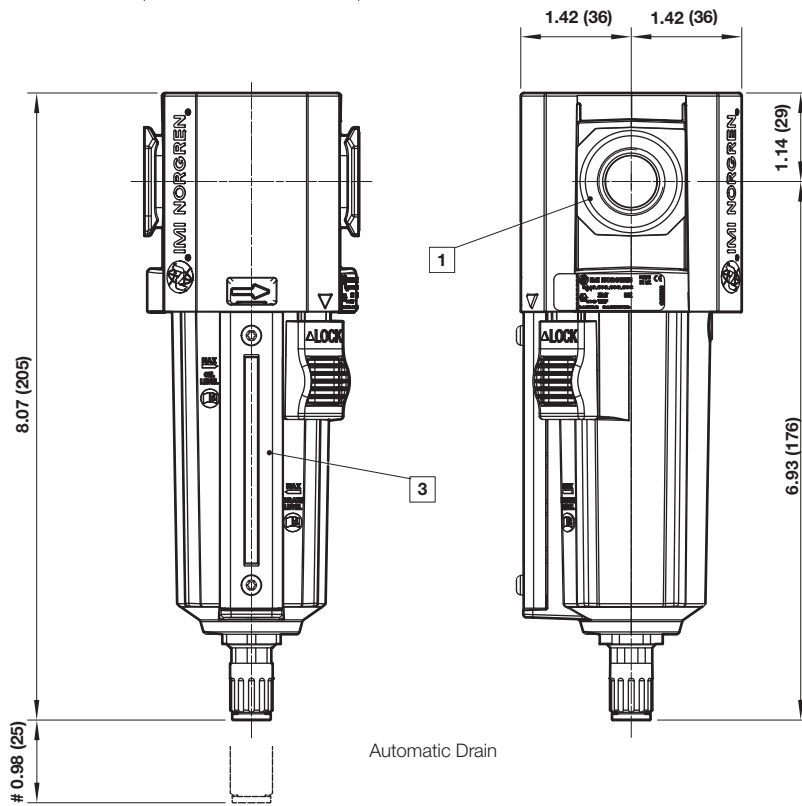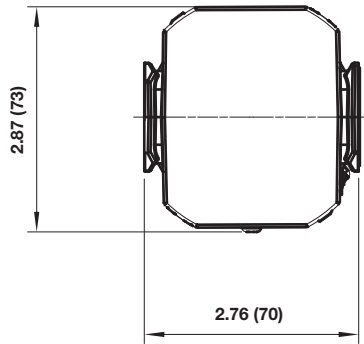| Filter cartridge 5 micron	Filter cartridge 40 micron	Auto drain kit with metal Nut - Imperial	Auto drain kit with metal Nut - Metric
840038-50KIT	840038-51KIT	6000-61KIT	6000-60KIT

Spare parts

Filter Bowl (Guarded Poly bowl with auto drain 6 mm PIF)	Filter Bowl (Guarded Poly bowl with manual drain)	Filter Bowl (Metal with S/Glass & auto drain, 6 mm PIF)	Filter Bowl (Metal with S/Glass & manual drain)
840025-51KIT	840025-50KIT	840003-51KIT	840003-50KIT

Filter Bowl (Guarded Poly bowl with auto drain, 1/4 PIF)	Filter Bowl (Metal with S/Glass & auto drain, 1/4 PIF)
840025-53KIT	840003-56KIT

Dimensions

Dimensions in inches (mm)
Projection/Third angle

2.87 (73)

2.76 (70)

1.42 (36) 1.42 (36)

1.14 (29)

1

6.93 (176)

8.07 (205)

3

0.98 (25)

Automatic Drain

8.19 (208)

2

1/4 Turn Manual Drain

Minimum clearance for bowl removal
1 Main ports 3/8", 1/2" or 3/4"
   (PTF/ISO G)
2 Transparent bowl with guard
3 Metal bowl with liquid level
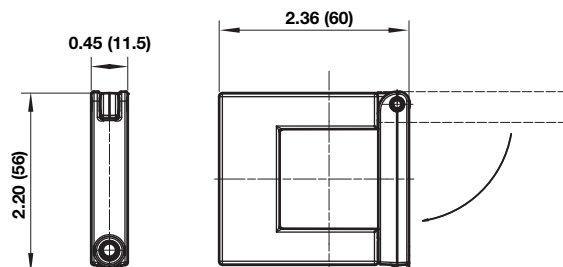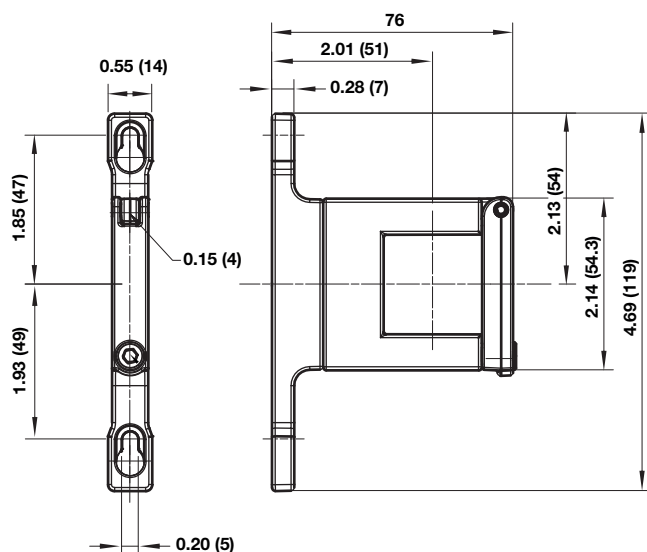   indicator lens

Accessories

Quikclamp® with wall bracket

0.55 (14)
76
2.01 (51)
0.28 (7)
1.85 (47)
0.15 (4)
2.13 (54)
2.14 (54.3)
4.69 (119)
1.93 (49)
0.20 (5)

Quikclamp®

0.45 (11.5)
2.36 (60)
2.20 (56)

Mounting bracket

2.80 (71)
2.28 (58)
0.35 (8.9)
0.59 (15)
0.59 (15)
0.31 (8)
0.20 (5)
1.41 (36)
1.85 (47)
2.60 (66)
0.71 (18)
1.22 (31)
0.16 (4)
1.14 (29)
2.24 (57)

Pressure sensing block

1.77 (45)
2.0 (51)
0.83 (21)
1.30 (33)

Full flow porting block

3.15 (80)
2.68 (68)
2.0 (51)
1.81 (46)
2.24 (57)
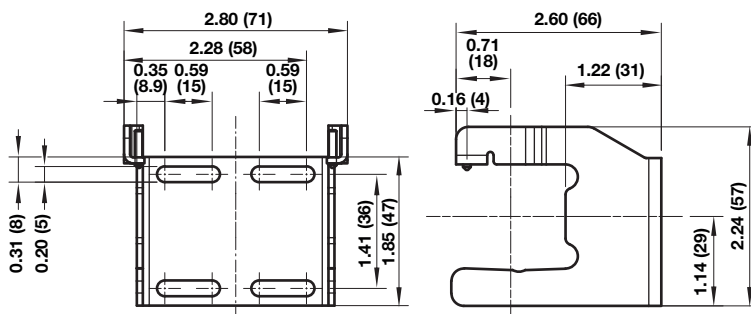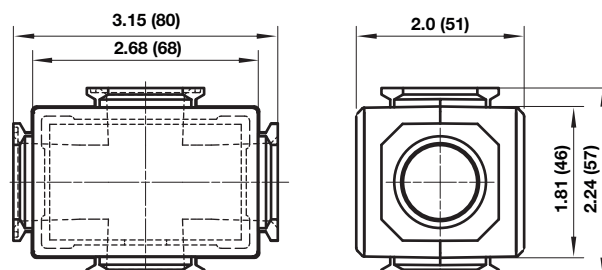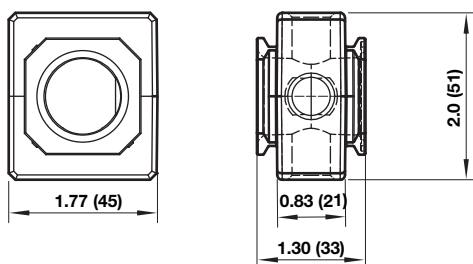
Full flow vertical porting block

2.24 (57)
1.77 (45)
2.68 (68)
3.15 (80)
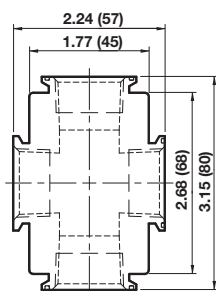
Porting block for 18D pressure switch

1.57 (40)
1.26 (32)
1.73 (44)

G1/2
1.57 (40)

Dimensions in inches (mm)
Projection/Third angle

18D Pressure switch

1.08 (27.5)
0.20 (5)
1.18 (30)
1.18 (30)

18A/C
1.77 (45)
1.38 (35)
2.83 (72)
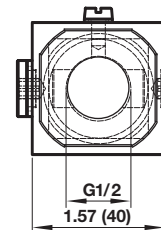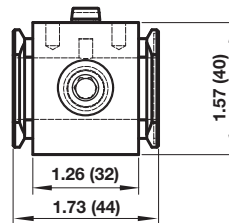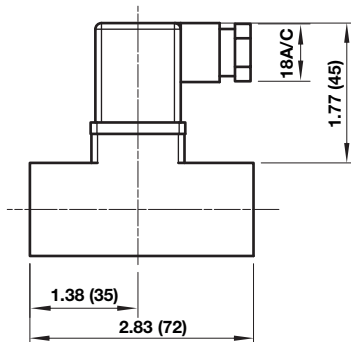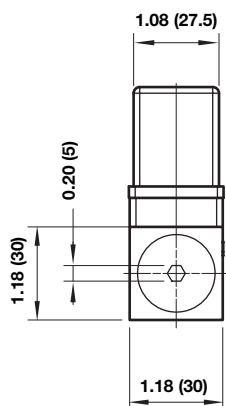
18D Porting block and 18D assembled

40
1.26 (32)
1.73 (44)

G1/2
1.57 (40)
2.24 (57)

Pipe adaptor

1.52 (38.5)
0.71 (18)
1.52 (38.5)
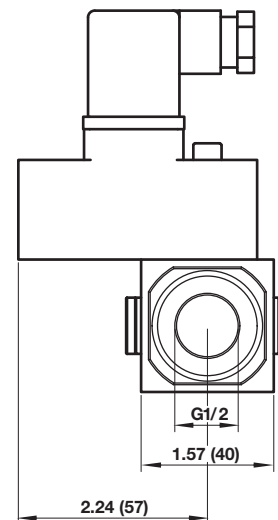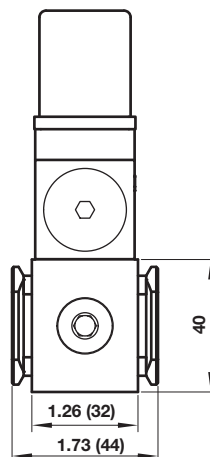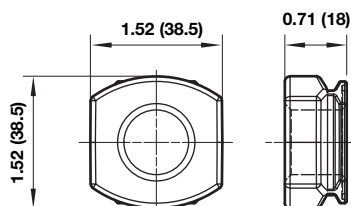
51D Pressure switch - digital

1.22 (31)

1.44 (36.5)

1.22 (31)

~1.18 (30)

~11.8 (300)

1/8 PTF

OUT1 OUT2

SET

[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
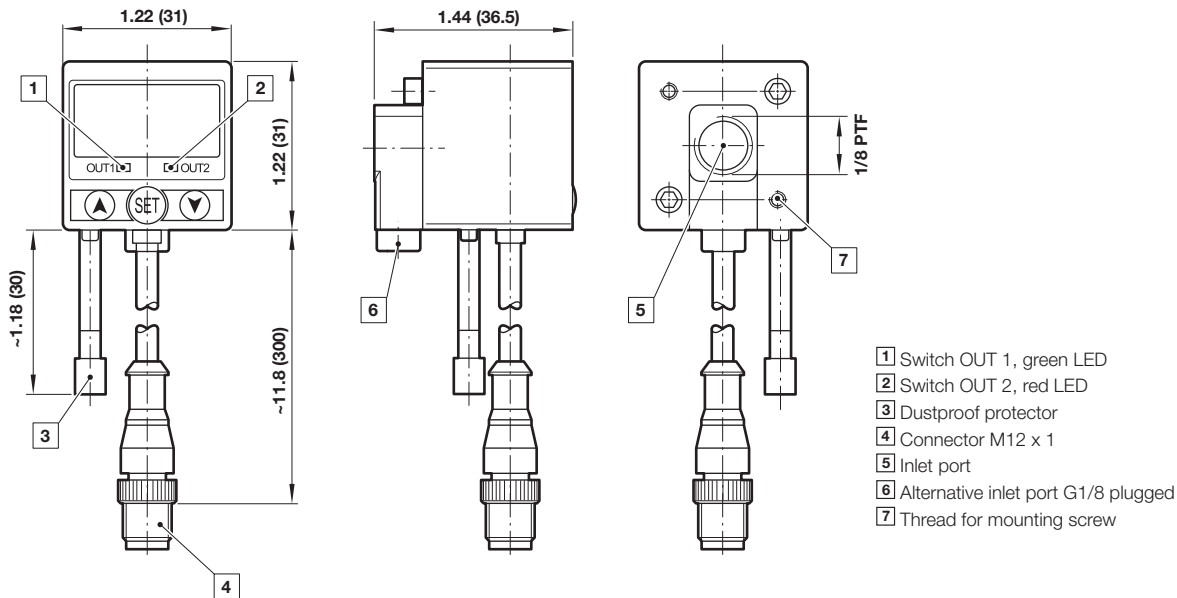
Warning
Improper selection, misuse, age or malfunction of components used in systems can cause failure in various modes. The system designer is warned to consider the failure modes of all component parts and to provide adequate safeguards to prevent personal injury or damage to equipment or property in the event of such failure modes. System designers and end users are cautioned to consult instruction sheets and specifications available from the factory. The system designer/end user is responsible for verifying that all requirements for the application are met.

Warranty
The products described herein are warranted subject to seller's Standard Terms and Condition of Sale, available at seller's website.

Proposition 65: These products may contain chemicals known to the state of California to cause cancer, or birth defects, or other reproductive harm.