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

Россия +7(495)268-04-70 Казахстан +7(7172)727-132 Киргизия +996(312)96-26-47

www.norgren.nt-rt.ru | | ner@nt-rt.ru

Технические характеристики на фильтры-регуляторы 07 Series Excelon, Excelon Plus, Olympian Plus, Stainless Steel компании IMI NORGREN

Виды товаров: с внешним датчиком, с встроенным электронным датчиком давления, с встроенным манометром, без манометра.

B82G - General purpose filter/regulator Excelon® Plus Modular System

- **Port size: 1/4" ... 3/8" (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 (> 95%)**
- **Double safety lock bowl**
- **Push to lock adjusting knob with built in tamper resistant feature**
- **Metal bowl with prismatic liquid level indicator lens**
- **Light weight Polycarbonate bowl with guard**
- **Easy to read flush mounted integrated pressure gauge**
- **Air purity classes in accordance to ISO8573-1:2010: 7:8:4 (40µm) 6:8:4 (5µm)**

Technical features

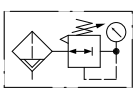
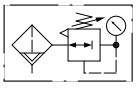
Medium:
Compressed air only
Maximum supply pressure:
Polycarbonate bowl: 10 bar (145 psi)
Metal bowl: 17 bar (246 psi)
Outlet pressure ranges:
0.3 ... 10 bar (4 ... 145 psi),
0.3 ... 4 bar (4 ... 58 psi) optional,
0.7 ... 17 bar (2 ... 246 psi) optional
Filter element:
5 µm & 40 µm
Port size:
G1/4, G3/8,1/4 PTF, 3/8 PTF
Gauge:
Integrated as standard
Gauge port 1/8 as option

Flow:
37 dm³/s at port size 1/4",
37 dm³/s at port size 3/8",
inlet pressure 10 bar (145 psi) ,
6.3 bar (91 psi) set pressure and a Δp: 1 bar (14.5 psi) droop from set.
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:
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).
Atex:
Filter/regulators B82 are in conformity with
Atex 2014/34/EU
Ex II 2 GD
Ex h IIC T6 Gb
EX h IIIC T85°C Db

Materials:
Body: Die cast aluminum
Body covers: ABS
Bonnet: Acetal/ Aluminum
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 B82G—standard models

Symbol	Port	Drain	Pressure range (bar)	Filter element (µm)	Bowl	Weight (kg)	Model *1)
	G1/4	Auto	0,3 ... 10	40	Guarded polycarbonate	0,30	B82G-2GK-AP3-RMG
	G3/8	Auto	0,3 ... 10	40	Guarded polycarbonate	0,30	B82G-3GK-AP3-RMG
	G1/4	Auto	0,3 ... 10	40	Metal with level indicator	0,50	B82G-2GK-AD3-RMG
	G3/8	Auto	0,3 ... 10	40	Metal with level indicator	0,50	B82G-3GK-AD3-RMG
	G1/4	Manual	0,3 ... 10	40	Guarded polycarbonate	0,30	B82G-2GK-QP3-RMG
	G3/8	Manual	0,3 ... 10	40	Guarded polycarbonate	0,30	B82G-3GK-QP3-RMG
	G1/4	Manual	0,3 ... 10	40	Metal with level indicator	0,50	B82G-2GK-QD3-RMG
	G3/8	Manual	0,3 ... 10	40	Metal with level indicator	0,50	B82G-3GK-QD3-RMG

Option selector *1)

B82G–★★★–★★★–R★★

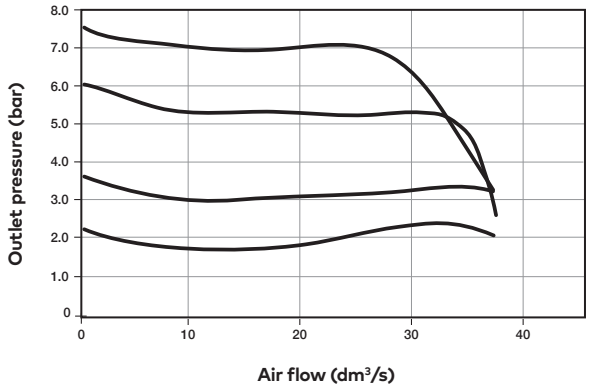
Port size	Substitute
1/4"	2
3/8"	3
Thread form	**Substitute**
PTF	A
ISO G (standard)	G
Adjustment	**Substitute**
Knob (standard)	K
T-bar	**T*2)**
Drain	**Substitute**
Manual (standard)	Q
Auto drain (standard)	A
Bowl	**Substitute**
Metal with liquid indicator	D
Transparent with guard (standard)	P

Gauge	Substitute
With integrated gauge (standard)	G
Without integrated gauge but with gauge port 1/8"	N
Pressure range *3)	**Substitute**
0.3 to 4 bar	F
0.3 to 10 bar (standard)	M
0.7 to 17 bar	S*2)
Element	**Substitute**
40 µm (standard)	3
5 µm	1

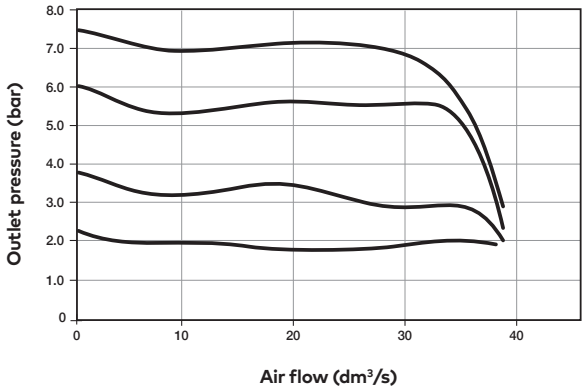
*3) Outlet pressure can be adjusted to pressures in excess of, and less than, those specified.
Do not use these units to control pressures outside of the specified ranges.

Flow characteristics

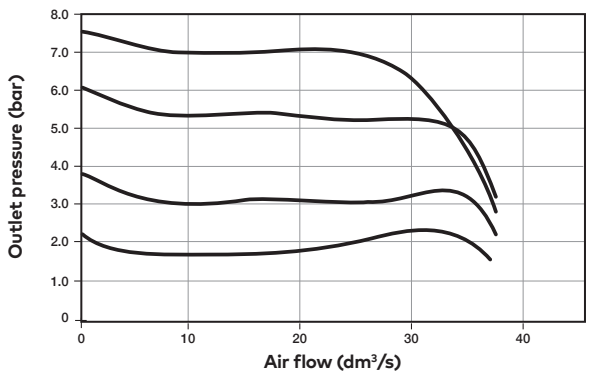
Inlet pressure: 10 bar (145 psi)
Range: 0.3...10 bar (4...145 psi)
Port size: 1/4", 5 µm element



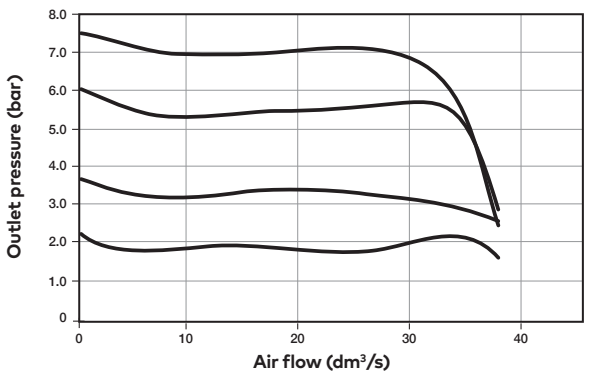
Inlet pressure: 10 bar (145 psi)
Range: 0.3...10 bar (4...145 psi)
Port size: 3/8", 5 µm element



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

Neck mounting bracket and panel nut

Page 7

820068-51KIT

Panel mounting nut

Page 7

820048-89KIT

Mounting bracket

Page 7

820024-50KIT

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

Pressure sensing block 1/4 PTF

Page 7

820016-50KIT

Pressure sensing block G1/4

Page 7

820016-51KIT

Porting block 3/8" PTF

Page 7

820028-50KIT

Porting block G3/8

Page 7

820028-53KIT

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

Page 8

0523109000000000

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

Page 8

0881300

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

Page 8

0860810

Padlock

840055-01KIT

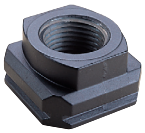
Lockout device

840055-02KIT

*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

Gauges (For regulators with gauge port instead of integrated port)

Port Adaptors



Page 8

1/4 PTF	820015-02KIT
3/8 PTF	820015-03KIT
G1/4	820015-08KIT
G3/8	820015-09KIT

Center back connection, white face
(for full technical specification see datasheet 8.900.900)

Pressure range (bar)*3)	(MPa)	(psi)	ø	Thread size	Model
0 ... 6	0 ... 0,6	0 ... 84	40 mm	R1/8	18-015-885
0 ... 10	0 ... 1	0 ... 145	40 mm	R1/8	18-015-989
0 ... 25	0 ... 2,5	0 ... 362	40 mm	R1/8	18-015-908

*3) primary scale

Maintenance/Service

Filter cartridge 5 micron

820038-50KIT

Filter cartridge 40 micron

820038-51KIT

Auto drain kit with metal Nut - Imperial

6000-61KIT

Auto drain kit with metal Nut - Metric

6000-60KIT

R82 / B82 Elastomer Kit

FRLB82-KIT

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

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

820025-53KIT

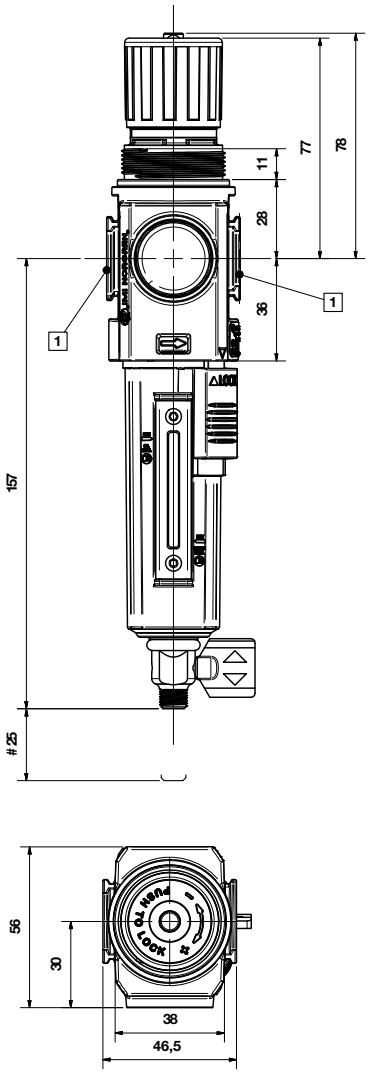
Filter Bowl (Metal with S/ Glass & auto drain, 1/4 PIF)

820003-56KIT

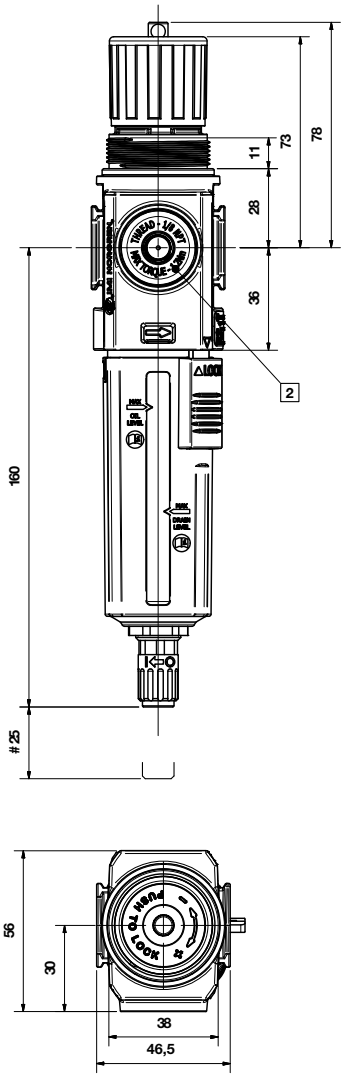
Dimensions

Dimensions in mm
Projection/First angle

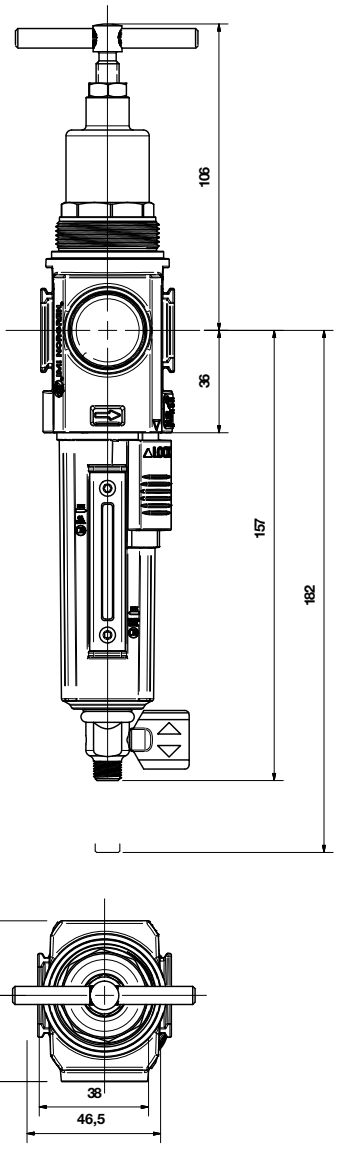
1/4 Turn Manual Drain



Automatic Drain



T-bar adjustment



\# Minimum clearance for bowl removal

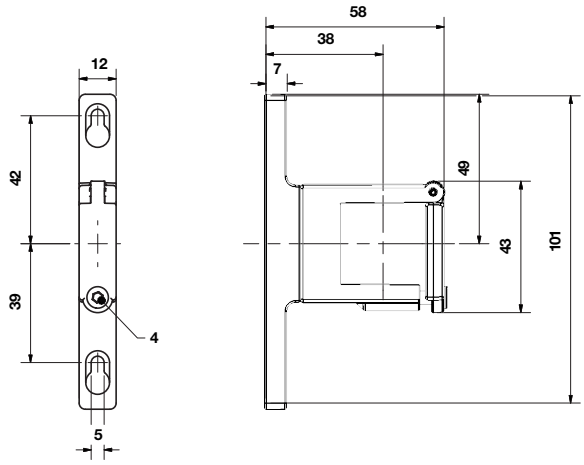
1 Main ports 1/4", 3/8" (ISO G/PTF)

2 Gauge port Rc 1/8 for ISO G and 1/8 PTF for PTF main ports

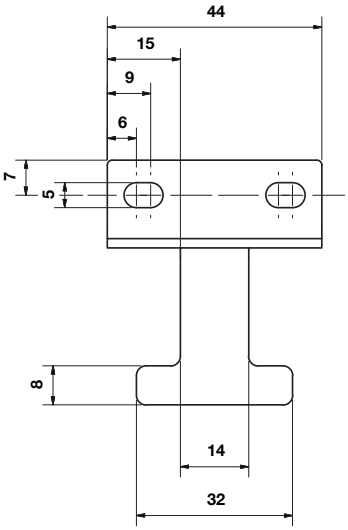
Accessories

Dimensions in mm
Projection/First angle

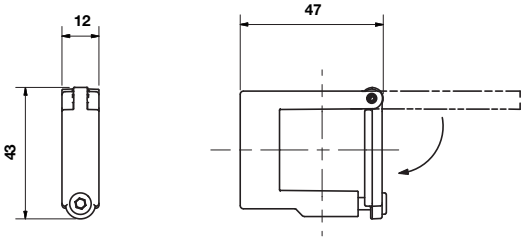
Quikclamp® with wall bracket

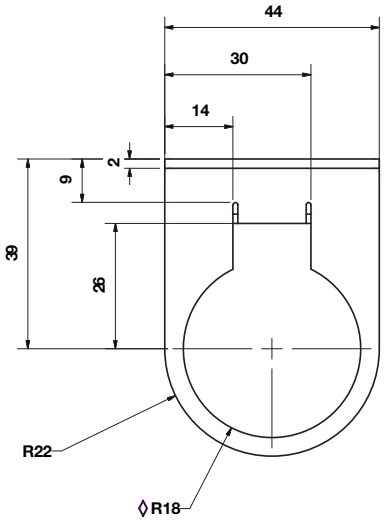


Neck mounting bracket

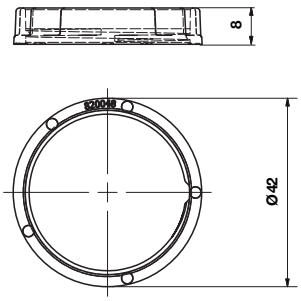


Quikclamp®





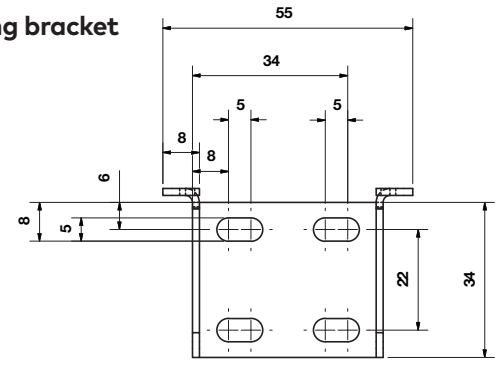
Panel mounting nut

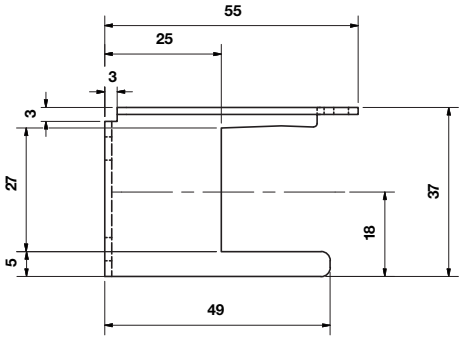


Recommended panel hole size:
ø 36.25 ... 36.75 mm

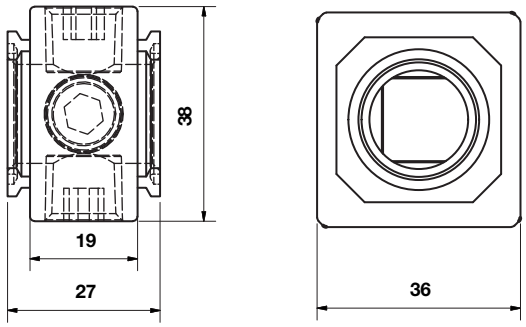
Panel thickness:
up to 4mm

Universal Mounting bracket



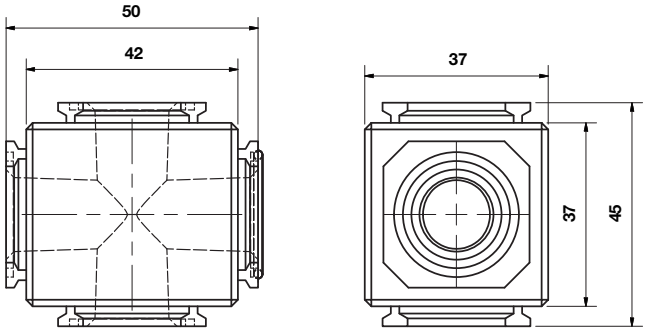


Pressure sensing block

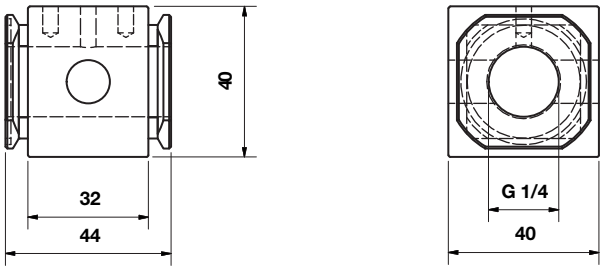


Full flow porting block

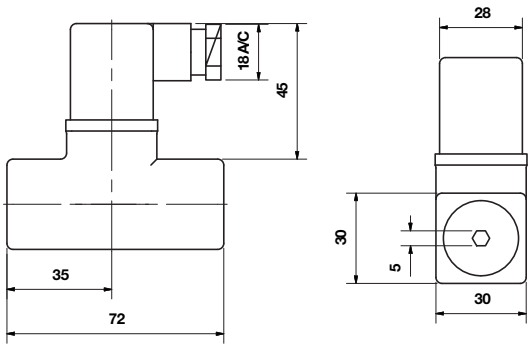
Dimensions in mm
Projection/First angle



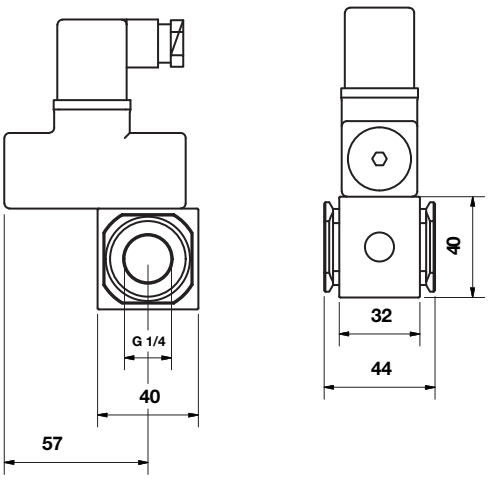
Porting block for 18D pressure switch



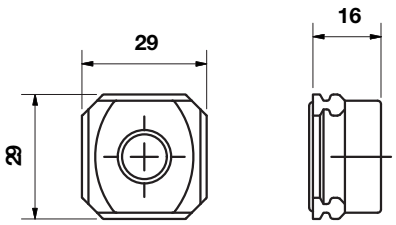
18D Pressure switch



18D Porting block and 18D assembled

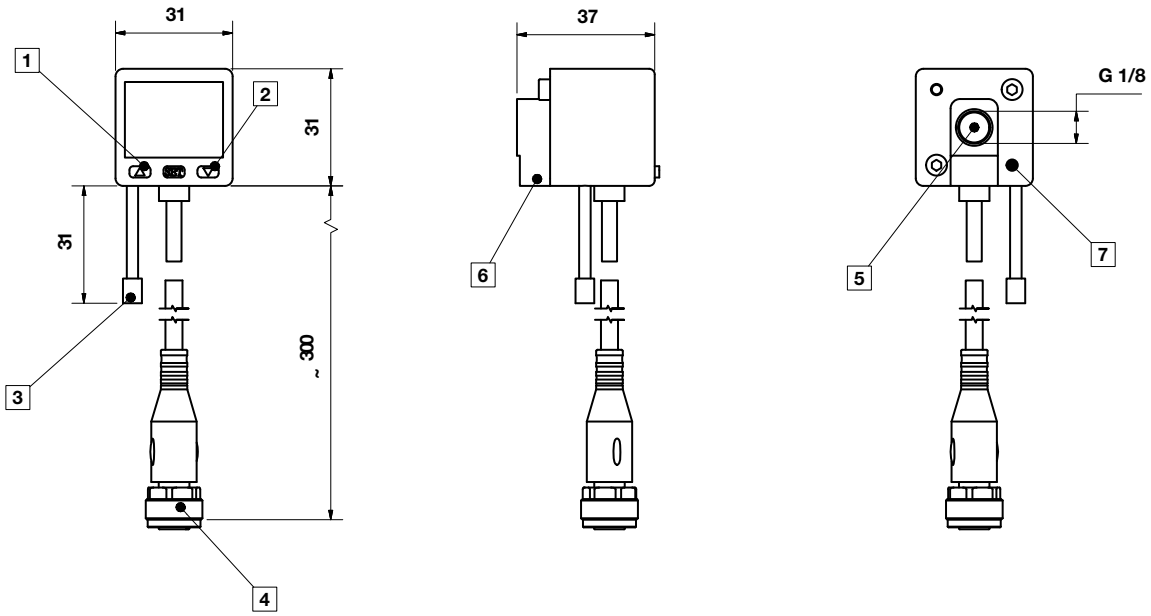


Pipe adaptor



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: 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**
- **Metal bowl with prismatic liquid level indicator lens**

Technical features

Medium:
Compressed air only
Maximum operating pressure:
Transparent bowl: 10 bar (145 psi)
Metal bowl: 17 bar (246 psi)
Pressure range:
0,3 ...10 bar (4 ... 145 psi)
0,3 ... 4 bar (4 ... 58 psi) optional,
0,7 ... 17 bar (2 ... 250 psi) optional
Filter element:
40 µm standard, 5 µm optional
Port size:
G1/4, G3/8, G1/2,
1/4 PTF, 3/8 PTF 1/2 PTF
Gauge port:
Rc 1/8 with ISO G main ports
1/4 PTF with PTF main ports

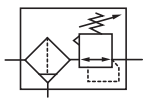
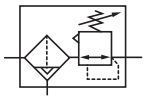
Flow:
50 dm^3/s max. at port size: G1/2
10 bar (150 psi) inlet pressure,
set pressure: 6,3 bar (91 psi) Δp: 1 bar (14,5 psi)
Filter element: 40 µm
Relieving:
Standard
Drain:
Manual or automatic
Automatic drain operating conditions (float operated):
Bowl pressure required to close drain: > 0,3 bar (5 psi)
Bowl pressure required to open drain: ≤ 0,2 bar (2.9 psi)

Minimum air flow required to close drain: 0,1 dm^3/s (0.2 scfm)
Manual operation: depress pin inside drain outlet to drain bowl

Ambient/Media temperature:
Tranparent bowl:
-34° ... +50°C (-30° ... +122°F)
Metal bowl:
-34° ... +80°C (-30° ... +176°F)
Version with gauge:
-34° ... +65°C (-30 ... +149°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: Die cast aluminium
Bonnet: Acetal
Metal bonnet: Zinc
Valve: Brass
Bowl: transparent PC alternative transparent PC with steel guard alternative aluminium
Liquid level indicator lens (metal bowl): transparent PA
Filter element: sintered PP
Elastomers: CR & NBR

Technical data B73G - standard models

Symbol	Port size	Size	Drain	Pressure range (bar)	Pressure range (psi)	Filter element (µm)	Bowl	Weight (kg)	Model
	G1/4	—	Manual	0,3 ... 10	4 ... 145	40	PC (transparent)	0,70	B73G-2GK-QT3-RMN
	G3/8	Basic	Manual	0,3 ... 10	4 ... 145	40	PC (transparent)	0,70	B73G-3GK-QT3-RMN
	G1/2	—	Manual	0,3 ... 10	4 ... 145	40	PC (transparent)	0,70	B73G-4GK-QT3-RMN
	G1/4	—	Automatic	0,3 ... 10	4 ... 145	40	PC (transparent)	0,70	B73G-2GK-AT3-RMN
	G3/8	Basic	Automatic	0,3 ... 10	4 ... 145	40	PC (transparent)	0,70	B73G-3GK-AT3-RMN
	G1/2	—	Automatic	0,3 ... 10	4 ... 145	40	PC (transparent)	0,70	B73G-4GK-AT3-RMN

Option selector

B73G-★★★-★★★-★★★

Port size	Substitute
1/4"	2
3/8"	3
1/2"	4

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

Adjustment	Substitute
Knob (standard)	K
T-bar	T

Drain	Substitute
Manual (standard)	Q
Auto drain (standard)	A

Bowl	Substitute
Transparent (standard)	T
Metal	D
Transparent with guard	P

Gauge	Substitute
Without (standard)	N
With	G

Pressure range *2)	Substitute
0,3 ... 4 bar	F
0,3 ... 10 bar (standard)	M
0,7... 17 bar	S

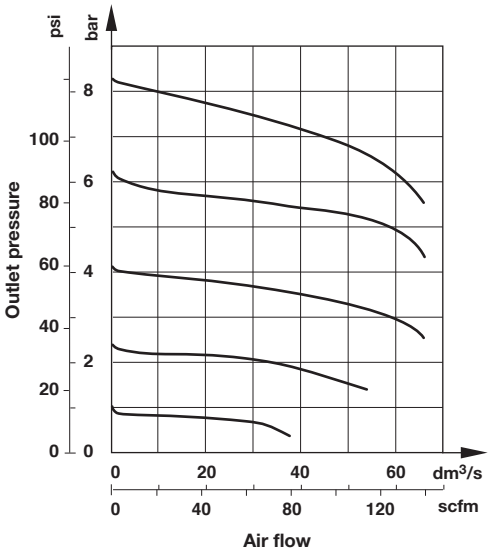
Diaphragm	Substitute
Relieving (standard)	R
Non relieving	N

Element	Substitute
40 µm (standard)	3
5 µm	1

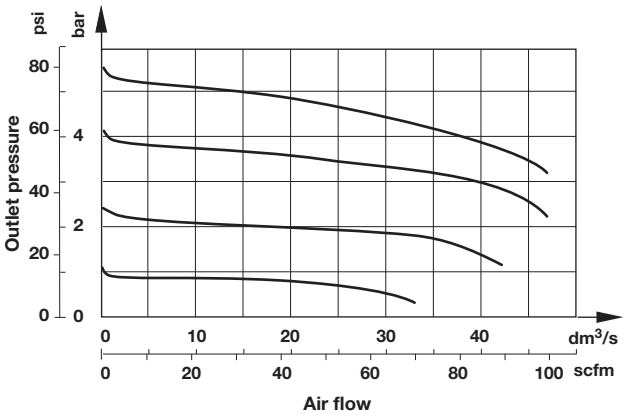
*2) Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Flow characteristics

Inlet pressure: 10 bar
Port size: G3/8, 40 µm element



Inlet pressure: 7 bar
Port size: G3/8, 40 µm element



Accessories

Wall mounting bracket	Neck mounting bracket	Panel nut	Quikclamp®	Quikclamp® with wall bracket	Tamper resistant kit
					
Page 5	Page 5		Page 5	Page 5	
4424-50	4461-50	5191-88	4314-51	4314-52	4455-51

Quikmount pipe adaptor *1)	Porting block with three alternative 1/4" ports	2/2 Shut-off valves (for full technical specification see datasheet 8.180.600)	3/2 Shut-off valves (for full technical specification see datasheet 8.180.600)
			
Page 5	Page 5	Page 5	Page 5
G1/4: 4315-09	G1/4: 4316-52	G1/4: T73B-2GA-P1N	G1/4: T73T-2GA-P1N
G3/8: 4315-10	1/4 PTF: 4316-50	G3/8: T73B-3GA-P1N	G3/8: T73T-3GA-P1N
G1/2: 4315-11		G1/2: T73B-4GA-P1N	G1/2: T73T-4GA-P1N
1/4 PTF: 4315-01		1/4 PTF: T73B-3AA-P1N	1/4 PTF: T73T-3AA-P1N
3/8 PTF: 4315-02		3/8 PTF: T73B-2AA-P1N	3/8 PTF: T73T-2AA-P1N
1/2 PTF: 4315-03		1/2 PTF: T73B-4AA-P1N	1/2 PTF: T73T-4AA-P1N

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

Pressure switch

Porting block for pressure switch	Pressure switch (0,5 ... 8 bar)
	
0523109000000000	0881300000000000

Padlock

Padlock (brass) with two keys *1)

0613633000000000

*1) For shut-off valves and tamper resistant kit.

Service kit

Element	Service kit for manual drain	Service kit for auto drain
		
40 µm	B73G-KITM40R	B73G-KITA40R
5 µm	B73G-KITM05R	B73G-KITA05R

Gauge

Center back connection, white face (for full technical specification see datasheet 8.900.900)

Pressure range				Thread size	Model
bar *1	Mpa	psi	ø		
0 ... 6	0 ... 0,6	0 ... 84	50 mm	R1/8	18-015-012
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

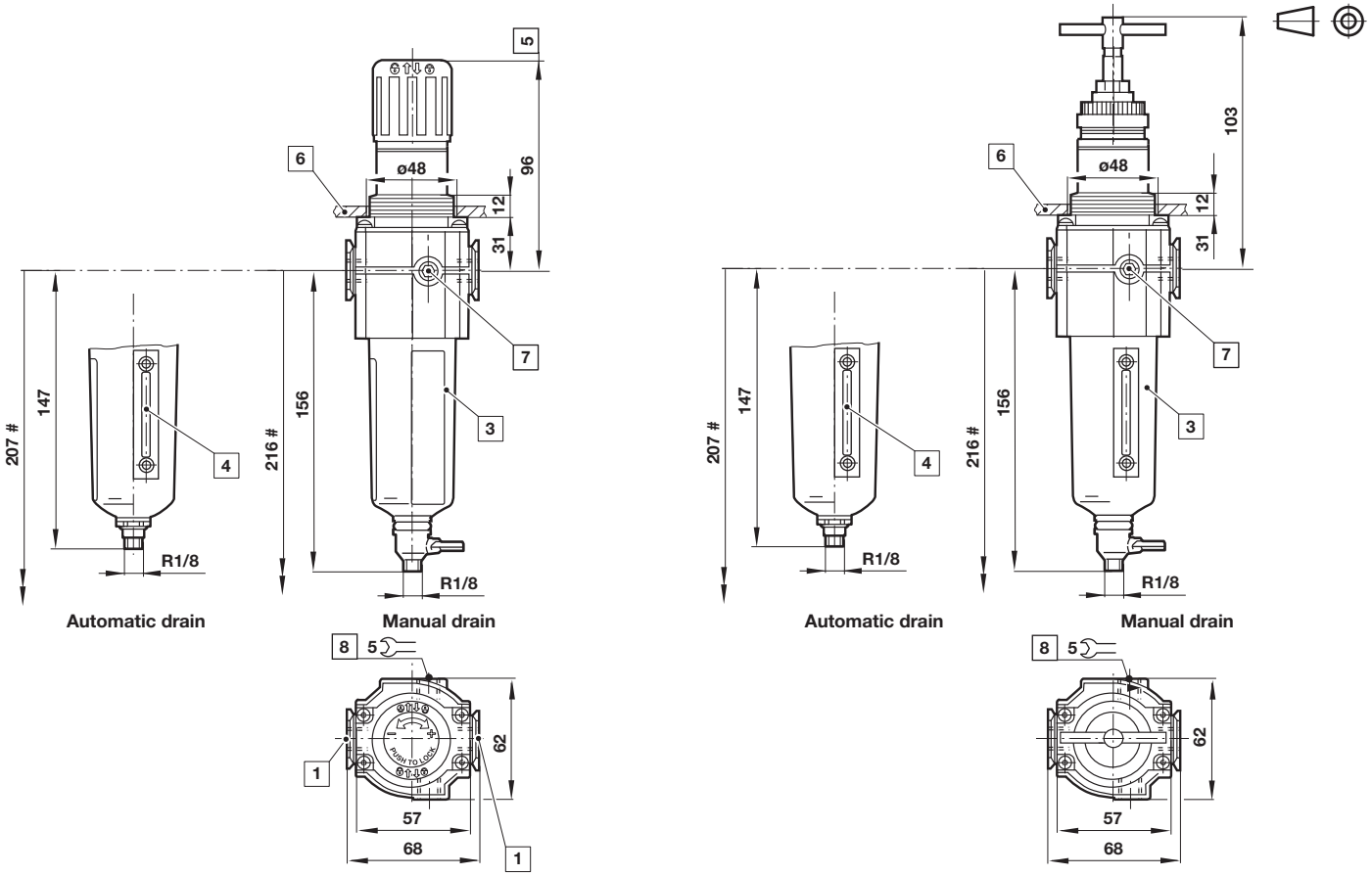
Center back connection, black face for North America (for full technical specification see datasheet 8.900.900)

Pressure range				Thread size	Model
psig *1	bar	Mpa	ø		
0 ... 60	0 ... 4	0 ... 0.4	2" (50 mm)	1/4 NPT	18-015-208
0 ... 160	0 ... 11	0 ... 1.1	2" (50 mm)	1/4 NPT	18-015-209
0 ... 300	0 ... 20	0 ... 2.1	2" (50 mm)	1/4 NPT	18-015-210

*1) primary scale

Drawings

Dimensions in mm
Projection/First angle

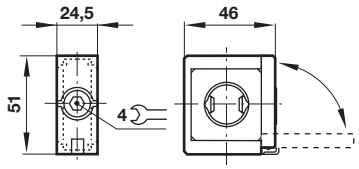


Minimum clearance required to remove bowl
1 Main ports 1/4", 3/8" or 1/2"
3 Transparent bowl with or without guard
4 Metal bowl with liquid level indicator lens
5 Reduces by 4 mm with knob in locked position
6 Panel thickness 2 ... 6 max.
7 Gauge port 1/8" plugged
8 Alternative gauge port plugged

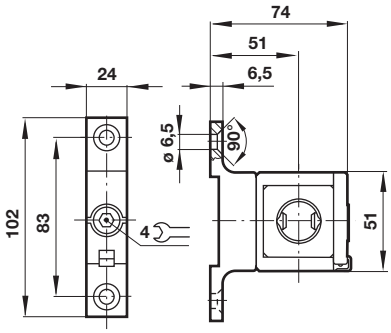
Accessories

Dimensions in mm
Projection/First angle

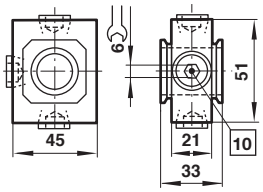
Quikclamp®



Quikclamp® with wall bracket

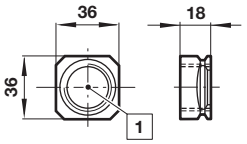


Porting block



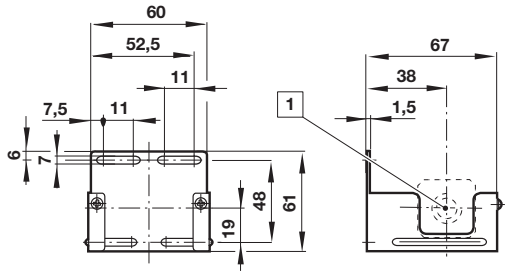
10 Ports 1/4" (ISO G/PTF) plugged

Pipe adapter



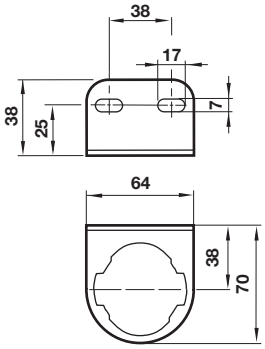
1 Main ports 3/8", 1/2" or 3/4" (ISO G/PTF)

Wall mounting bracket

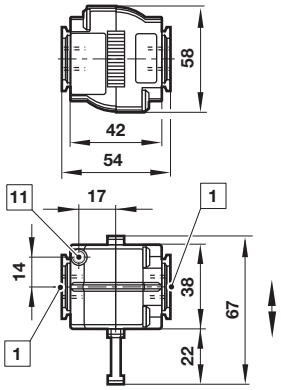


1 Main ports

Neck mounting bracket

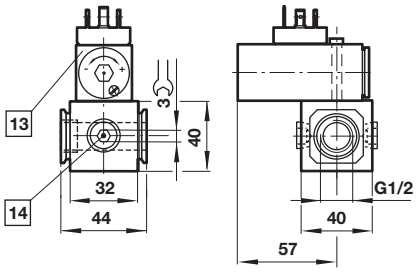


Shut-off valves



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 G1/2 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 Inc.

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: 1/4” or 3/8” (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**
- **Metal bowl with prismatic liquid level indicator lens**

Technical features

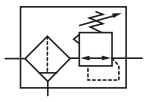
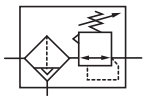
Medium:
Compressed air only
Maximum operating pressure:
10 bar (145 psi)
Pressure range:
0,3 ...10 bar (4 ... 145 psi)
0,3 ... 4 bar (4 ... 58 psi) optional,
0,3 ... 2 bar (4 ... 29 psi) optional
Filter element:
40 µm and 5 µm
Port size:
G1/4, G3/8, 1/4 or 3/8 NPT
Gauge port:
Rc 1/8 with ISO G main ports
1/8 PTF with PTF main ports
Flow:
38 dm^3/s maximum
At port size: 1/4”
Inlet pressure 10 bar (145 psi);
6,3 bar (91 psi) set pressure and a
Δp: 1 bar (14,5 psi) droop from set.

Relieving:
Standard
Drain:
Manual, automatic or semi-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 m^3/s (0.2 scfm)
Manual operation: depress pin inside drain outlet to drain bowl
Semi automatic drain operating conditions (pressure operated):
Bowl pressure required to close drain: Greater than 0,1 bar (1.5 psig)
Bowl pressure required to open drain: Less than 0,1 bar (1.5 psig)
Minimum air flow required to close drain: 0,5 dm^3/s (1 scfm)

Ambient/Media temperature:
Tranparent 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
Bonnet: Acetal
Valve: PP and TPV
Transparent bowl: PC
Metal bowl: Zinc
Liquid level indicator lens (metal bowl): transparent PA
Filter element: sintered PP
Elastomers: CR & NBR

Technical data B72G - standard models

Symbol	Port size	Size	Drain	Pressure range (bar)	Pressure range (psi)	Filter element (µm)	Adjustment	Bowl	Weight (kg)	Model
	G1/4	Basic	Manual	0,3 ... 10	4 ... 145	40	Knob	PC (transparent)	0,52	B72G-2GK-QT3-RMN
	G3/8	—	Manual	0,3 ... 10	4 ... 145	40	Knob	PC (transparent)	0,52	B72G-3GK-QT3-RMN
	G1/4	Basic	Manual	0,3 ... 10	4 ... 145	5	Knob	PC (transparent)	0,52	B72G-2GK-QT1-RMN
	G3/8	—	Manual	0,3 ... 10	4 ... 145	5	Knob	PC (transparent)	0,52	B72G-3GK-QT1-RMN
	G1/4	Basic	Automatic	0,3 ... 10	4 ... 145	40	Knob	PC (transparent)	0,52	B72G-2GK-AL3-RMN
	G3/8	—	Automatic	0,3 ... 10	4 ... 145	40	Knob	PC (transparent)	0,52	B72G-3GK-AL3-RMN
	G1/4	Basic	Automatic	0,3 ... 10	4 ... 145	5	Knob	PC (transparent)	0,52	B72G-2GK-AL1-RMN
	G3/8	—	Automatic	0,3 ... 10	4 ... 145	5	Knob	PC (transparent)	0,52	B72G-3GK-AL1-RMN

Option selector

B72G-★★K-★★★-★★★

Port size	Substitute
1/4"	2
3/8"	3
Thread form	**Substitute**
PTF	A
ISO G parallel (standard)	G
Drain	**Substitute**
Manual (standard)	Q
Semi automatic	S
Auto drain (standard) *1)	A
Bowl	**Substitute**
Transparent without guard (Standard)	T
Metal with liquid indicator	D
Long metal with liquid indicator (automatic drain)	E
Long transparent (automatic drain)	L
Long transparent with guard	W

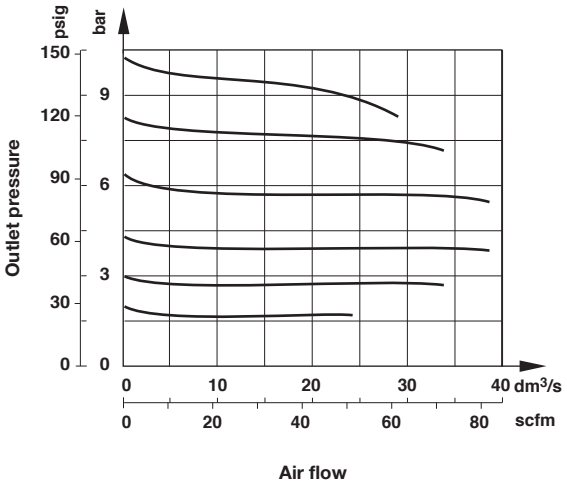
*1) Supplied in long bowl options only.

Gauge	Substitute
Without (standard)	N
With	G
Pressure range *2)	**Substitute**
0,3 ... 10 bar (standard)	M
0,3 ... 4 bar	F
0,3 ... 2 bar	C
Diaphragm	**Substitute**
Relieving (standard)	R
Non relieving	N
Element	**Substitute**
40 µm (standard)	3
5 µm (standard)	1

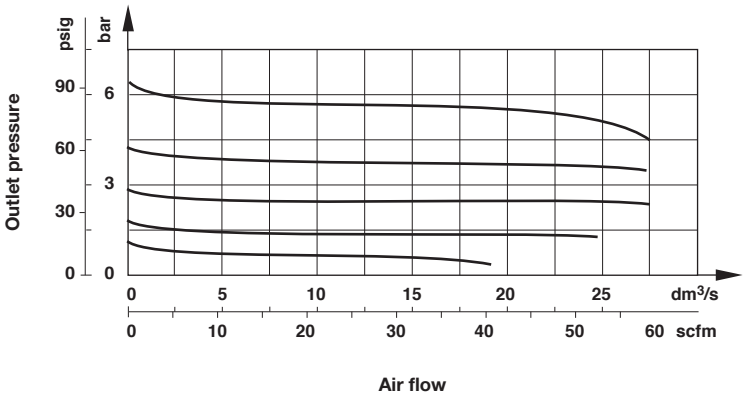
*2) Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Flow characteristics

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



Inlet pressure: 7 bar (101 psi)
Port size: 1/4", 40 µm element



Accessories

Universal mounting bracket	Quikclamp®	Quikclamp® with wall bracket	Neck mounting bracket	Panel nut
				
Page 4	Page 3	Page 3	Page 4	
4224-50	4214-51	4214-52	74316-50	4248-89

Tamper resistant kit	Quikmount pipe adaptor *1)	Porting block with three alternative 1/4" ports	2/2 Shut-off valves (for full technical specification see datasheet 8.160.600)	3/2 Shut-off valves (for full technical specification see datasheet 8.160.600)
				
	Page 3	Page 3	Page 4	Page 4
4255-51	G1/4: 4215-08	G1/4: 4216-52	G1/4: T72B-2GA-P1N	G1/4: T72T-2GA-P1N
	G3/8: 4215-09	1/4 PTF: 4216-50	G3/8: T72B-3GA-P1N	G3/8: T72T-3GA-P1N
	1/4 PTF: 4215-02		1/4 PTF: T72B-2AA-P1N	1/4 PTF: T72T-2AA-P1N
	3/8 PTF: 4215-03		3/8 PTF: T72B-3AA-P1N	3/8 PTF: T72T-3AA-P1N

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

Pressure switch

Porting block for pressure switch	Pressure switch (0,5 ... 8 bar)
	
0523109000000000	0881300000000000

Padlock

Padlock (brass) with two keys *1)

0613633000000000

*1) For shut-off valves and tamper resistant kit.

Service kit

Element	Service kit for auto drain	Service kit for manual drain
		
40 µm	B72G-KITA40R	B72G-KITM40R
5 µm	B72G-KITA05R	B72G-KITM05R

Gauge

Center back connection, white face (for full technical specification see datasheet 8.900.900)

Pressure range				Thread size	Model
bar *1	Mpa	psi	ø		
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

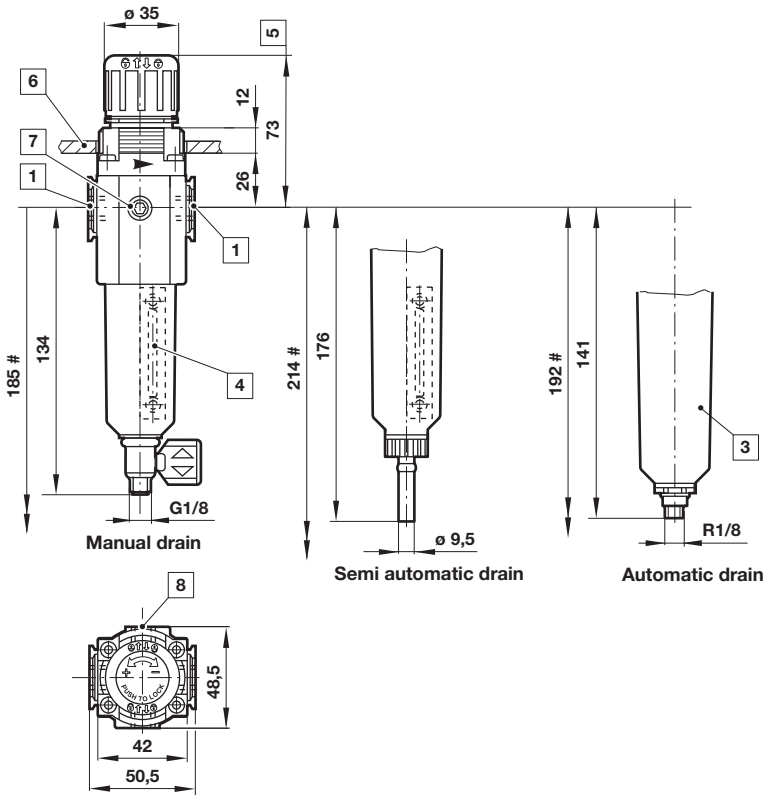
Center back connection, black face for North America (for full technical specification see datasheet 8.900.900)

Pressure range				Thread size	Model
psig *1	bar	Mpa	ø		
0 ... 30	0 ... 2	0 ... 0.2	1.5" (40 mm)	1/8 NPT	18-015-214
0 ... 60	0 ... 4	0 ... 0.4	1.5" (40 mm)	1/8 NPT	18-015-211
0 ... 160	0 ... 11	0 ... 1.1	1.5" (40 mm)	1/8 NPT	18-015-212

*1) primary scale

Dimensions

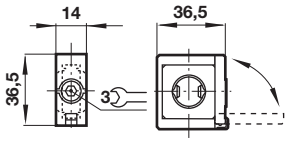
Dimensions in mm
Projection/First angle



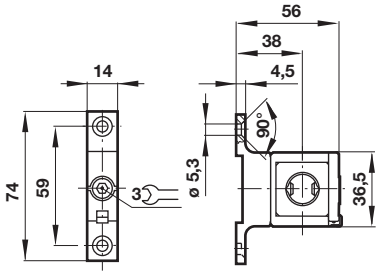
Minimum clearance required to remove bowl
1 Main ports 1/4" or 3/8"
3 Transparent bowl
4 Metal bowl with liquid indicator
5 Reduces by 4 mm with knob in locked position
6 Panel hole ø 40 mm, Panel thickness 4 max.
7 Gauge port 1/8"
8 Alternative gauge port 1/8" plugged

Accessories

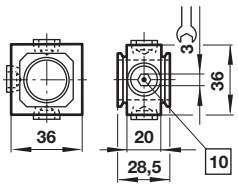
Quikclamp®



Quikclamp® with wall bracket

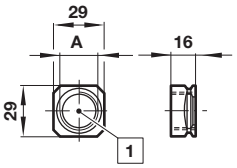


Porting block



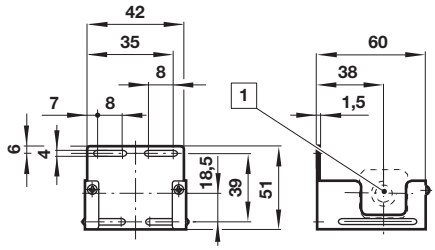
10 Ports 1/4 (ISO G/NPT) plugged

Pipe adapter



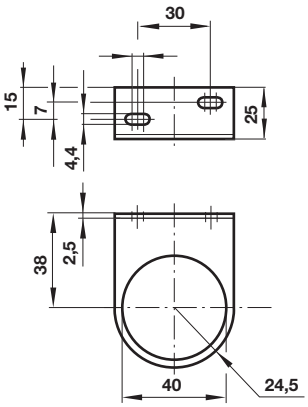
1 Main ports 1/4" or 3/8" (ISO G/PTF)

Wall mounting bracket



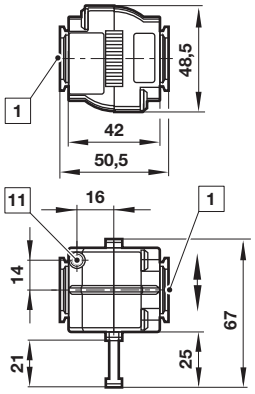
1 Main ports

Neck mounting bracket



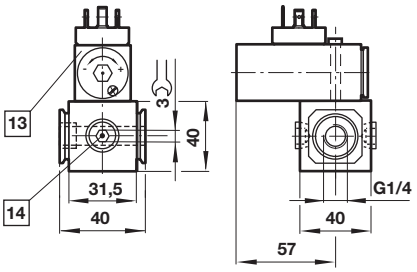
Shut-off valves

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

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IMI Precision Engineering, Norgren Inc.

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: 3/8” ... 3/4” (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 optional tamper resistant accessory**
- **Metal bowl with prismatic liquid level indicator lens**

Technical features

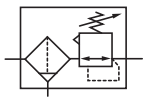
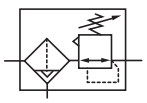
Medium:
Compressed air only
Maximum operating pressure:
Transparent bowl: 10 bar (145 psi)
Metal bowl: 17 bar (246 psi)
Pressure range:
0,3 ... 10 bar (4 ... 145 psi)
0,3 ... 4 bar (4 ... 58 psi) optional,
0,7 ... 17 bar (2 ... 250 psi) optional
Filter element:
5 µm & 40 µm
Port size:
G3/8, G1/2, G3/4,
3/8 PTF, 1/2 PTF, 3/8 PTF
Gauge port:
Rc 1/8 with ISO G main ports
1/4 PTF with PTF main ports

Flow:
100 dm^3/s
At port size: 1/2”
Inlet pressure 10 bar (145 psi);
6,3 bar (91 psi) set pressure and a
Δp: 1 bar (14,5 psi) droop from set.
Filter element: 40 µm
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 dm^3/s (2 scfm)
Manual operation: depress pin inside drain outlet to drain bowl

Ambient/Media temperature:
Tranparent bowl:
-34 ... +50°C (-30 ... +122°F)
Metal bowl:
-34 ... +80°C (-30 ... +176°F)
Version with gauge:
-34 ... +65°C (-30 ... +149°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: Die cast aluminium
Bonnet: Aluminium
Valve: Brass
Bowl: Transparent PC with steel guard or die cast aluminium
Liquid level indicator lens (metal bowl): Transparent PA
Filter element: sintered PP
Elastomers: CR & NBR

Technical data B74G- standard models

Symbol	Port size	Size	Drain	Pressure range (bar)	Filter element (µm)	Bowl with guard	Weight kg	Model
	G3/8	—	Manual	0,3 ... 10	40	PC (transparent)	1,19	B74G-3GK-QP3-RMN
	G1/2	Basic	Manual	0,3 ... 10	40	PC (transparent)	1,17	B74G-4GK-QP3-RMN
	G3/4	—	Manual	0,3 ... 10	40	PC (transparent)	1,16	B74G-6GK-QP3-RMN
	G3/8	—	Manual	0,3 ... 10	5	PC (transparent)	1,19	B74G-3GK-QP1-RMN
	G1/2	Basic	Manual	0,3 ... 10	5	PC (transparent)	1,17	B74G-4GK-QP1-RMN
	G3/4	—	Manual	0,3 ... 10	5	PC (transparent)	1,16	B74G-6GK-QP1-RMN
	G3/8	—	Automatic	0,3 ... 10	40	PC (transparent)	1,19	B74G-3GK-AP3-RMN
	G1/2	Basic	Automatic	0,3 ... 10	40	PC (transparent)	1,17	B74G-4GK-AP3-RMN
	G3/4	—	Automatic	0,3 ... 10	40	PC (transparent)	1,16	B74G-6GK-AP3-RMN
	G3/8	—	Automatic	0,3 ... 10	5	PC (transparent)	1,19	B74G-3GK-AP1-RMN
	G1/2	Basic	Automatic	0,3 ... 10	5	PC (transparent)	1,17	B74G-4GK-AP1-RMN
	G3/4	—	Automatic	0,3 ... 10	5	PC (transparent)	1,16	B74G-6GK-AP1-RMN

Option selector

B74G-★★★-★★★-★★★

Port size	Substitute
3/8"	3
1/2"	4
3/4"	6
Thread form	**Substitute**
PTF	A
ISO G parallel (standard)	G
Adjustment	**Substitute**
Knob (standard)	K
T-bar	T*1)
Drain	**Substitute**
Manual (standard)	Q
Auto drain (standard)	A
Bowl	**Substitute**
Metal with liquid indicator	D
Transparent with guard (standard)	P

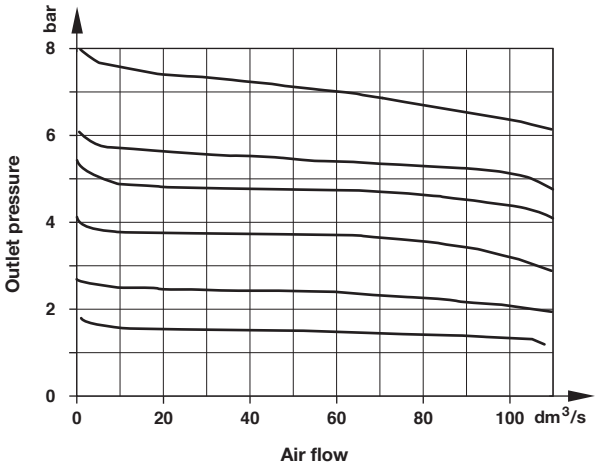
*1) Units with 17 bar outlet pressure range are available only with the T-bar adjustment; therefore substitute T at the 7th position and S at the 12th position.

Gauge	Substitute
Without (standard)	N
With	G
Pressure range *2)	**Substitute**
0,3 ... 4 bar	F
0,3 ... 10 bar (standard)	M
0,7... 17 bar	S*1)
Diaphragm	**Substitute**
Relieving (standard)	R
Non relieving	N
Element	**Substitute**
40 µm (standard)	3
5 µm	1

*2) Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Flow characteristics

Inlet pressure: 10 bar (145 psi)
Port size: 1/2", 40 µm element



Accessories

Wall mounting bracket	Quikclamp®	Quikclamp with wall bracket®	NECK mounting bracket	Panel nut	Tamper resistant kit
					
Page 4	Page 4	Page 4	Page 4		
4324-50	4314-51	4314-52	4368-51	4348-89	4355-51

Quikmount pipe adaptor *1)	Porting block with three alternative 1/4" ports	2/2 Shut-off valves (for full technical specification see datasheet 8.200.600)	3/2 Shut-off valves (for full technical specification see datasheet 8.200.600)
			
Page 4	Page 4	Page 5	Page 5
G3/8: 4315-10	G1/4: 4316-52	G3/8: T74B-3GA-P1N	G3/8: T74T-3GA-P1N
G1/2: 4315-11	1/4 PTF: 4316-50	G1/2: T74B-4GA-P1N	G1/2: T74T-4GA-P1N
G3/4: 4315-12		G3/4: T74B-6GA-P1N	G3/4: T74T-6GA-P1N
3/8 PTF: 4315-02			
1/2 PTF: 4315-03			1/2 PTF: T74T-4AA-P1N
3/4 PTF: 4315-04		3/4 PTF: T74B-6AA-P1N	3/4 PTF: T74T-6AA-P1N

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

Pressure switch

Porting block for pressure switch	Pressure switch (0,5 ... 8 bar)
	
Page 4	
0523110000000000	0881300000000000

Padlock

Padlock (brass) with two keys *1)

0613633000000000

*1) For shut-off valves and tamper resistant kit

Service kit

Element	Service kit for auto drain	Service kit for manual drain
		
40 µm	B74G-KITA40R	B74G-KITM40R
5 µm	B74G-KITA05R	B74G-KITM05R

Gauge

Center back connection, white face (for full technical specification see datasheet 8.900.900)

Pressure range bar *1)	MPa	psi	Ø	Thread size	Model
0 ... 6	0 ... 0,6	0 ... 84	50 mm	R1/8	18-015-012
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

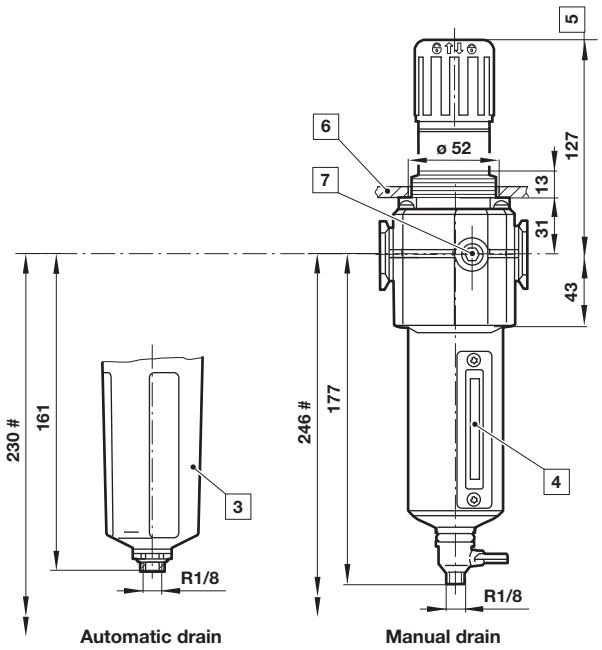
Center back connection, black face for North America (for full technical specification see datasheet 8.900.900)

Pressure range psig *1)	bar	MPa	Ø	Thread size	Model
0 ... 60	0 ... 4	0 ... 0.4	2" (50 mm)	1/4 NPT	18-015-208
0 ... 160	0 ... 11	0 ... 1.1	2" (50 mm)	1/4 NPT	18-015-209
0 ... 300	0 ... 20	0 ... 2.1	2" (50 mm)	1/4 NPT	18-015-210

*1) primary scale

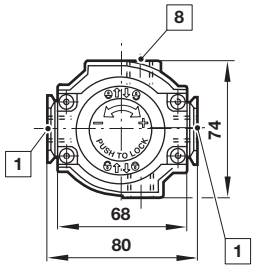
Drawings

Dimensions in mm
Projection/First angle

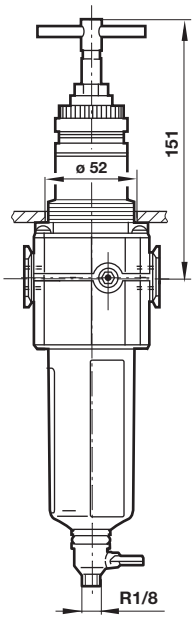


Automatic drain

Manual drain



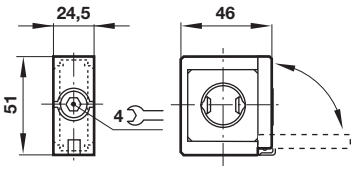
T-bar



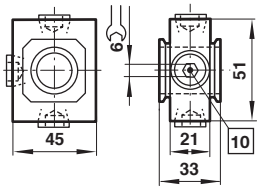
Minimum clearance required to remove bowl
1 Main ports 3/8“, 1/2” or 3/4”
3 Transparent bowl with guard
4 Metal bowl with liquid indicator
5 Reduces by 4 mm with knob in locked position
6 Panel thickness 2 ... 6 max.
7 Gauge port Rc1/8 for ISO G and 1/4 PTF for PTF main ports
8 Alternative gauge port plugged

Accessories

Quikclamp®

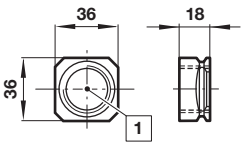


Porting block



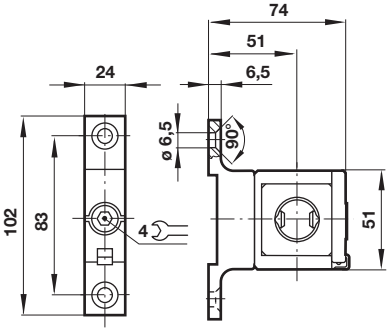
10 Ports 1/4” ISO G/PTF plugged

Pipe adapter



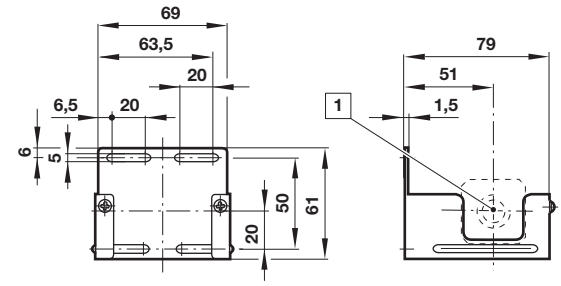
1 Main ports 3/8”, 1/2” or 3/4” ISO G/PTF

Quikclamp® with wall bracket



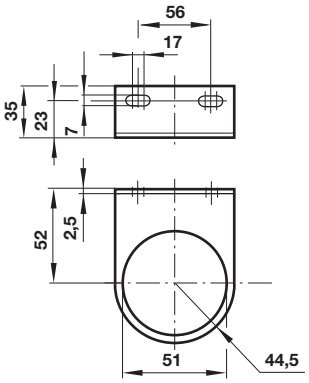
Dimensions in mm
Projection/First angle

Wall mounting bracket

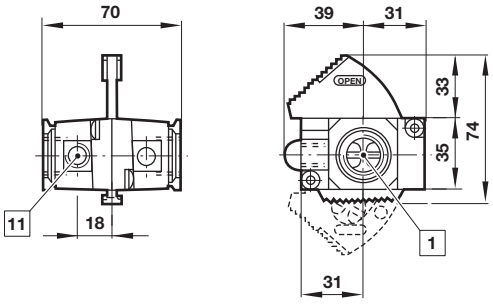


1 Main ports

Neck mounting bracket

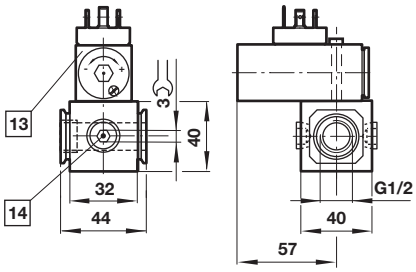


Shut-off valves



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

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 Inc.

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.

HB84G - Filter/regulator
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**

+80°C (+176°F)

-40°C (-40°F)

Technical features filter/regulator

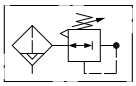
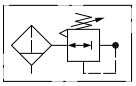
Medium:
Compressed air only
Maximum supply pressure:
20 bar (290 psi)
Outlet pressure ranges:
0.3 ...10 bar (4 ... 145 psi),
0.3 ... 4 bar (4 ... 58 psi) optional
0.7...17bar (10...247psi) optional
Filter element:
5 µm & 40 µm
Port size:
G3/8, G1/2, G3/4,
3/8 PTF, 1/2 PTF, 3/4 PTF
Gauge:
Gauge port as standard
(Rc 1/8 or 1/8 PTF)
Integrated gauge as option

Flow:
103 dm^3/s at port size: ½",
Inlet pressure 10 bar (145 psi),
6.3 bar (91 psi) set pressure and
a Δp: 1 bar (14.5 psi) drop from set.
Filter element: 5µm & 40µm
Diaphragm Type:
Relieving & Non-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 dm^3/s (2 scfm)

Ambient/Media temperature:
Unit with gauge port without integrated gauge :
-40 ... +80°C (-40 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).
Atex:
Filter/regulators HB84 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)
Bonnet: Die cast aluminium
Valve: Brass and
Low temperature Nitrile
Metal Bowl: Die cast Aluminium
Filter element: sintered Poly-propylene
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 HB84G - standard models with gauge port Rc1/8 (without gauge)

Symbol	Port size	Drain	Pressure range (bar)	Filter element (µm)	Bowl	Weight (kg)	Model *1)
	G3/8	Auto	0.3 ... 10	40	Metal with level indicator	0.95	HB84G-3GT-AD3-RMN
	G1/2	Auto	0.3 ... 10	40	Metal with level indicator	0.94	HB84G-4GT-AD3-RMN
	G3/4	Auto	0.3 ... 10	40	Metal with level indicator	0.92	HB84G-6GT-AD3-RMN
	G3/8	Manual	0.3 ... 10	40	Metal with level indicator	0.94	HB84G-3GT-MD3-RMN
	G1/2	Manual	0.3 ... 10	40	Metal with level indicator	0.93	HB84G-4GT-MD3-RMN
	G3/4	Manual	0.3 ... 10	40	Metal with level indicator	0.91	HB84G-6GT-MD3-RMN

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

Option selector *1)

HB84G-★★T-★★★-★★★

Port size	Substitute
3/8"	**3**
1/2"	**4**
3/4"	**6**
Thread form	**Substitute**
PTF	**A**
ISO G	**G**
Drain	**Substitute**
Manual (standard)	**M**
Auto drain (standard)	**A**
Open ended (with male thread adaptor)	**N*2)**

Gauge	Substitute
Without integrated gauge but with gauge port 1/8"	**N**
With integrated gauge *4)	**G**
Pressure range *3)	**Substitute**
0.3 ... 4 bar	**F**
0.3 ... 10 bar	**M**
0.7 ...17 bar	**S**
Diaphragm Type	**Substitute**
Relieving	**R**
Non-Relieving	**N**
Element	**Substitute**
5 µm	**1**
40 µm	**3**
Bowl	**Substitute**
Metal with liquid indicator	**D**
Metal	**M**

*1) All models shown here are applicable for

or contact Norgren

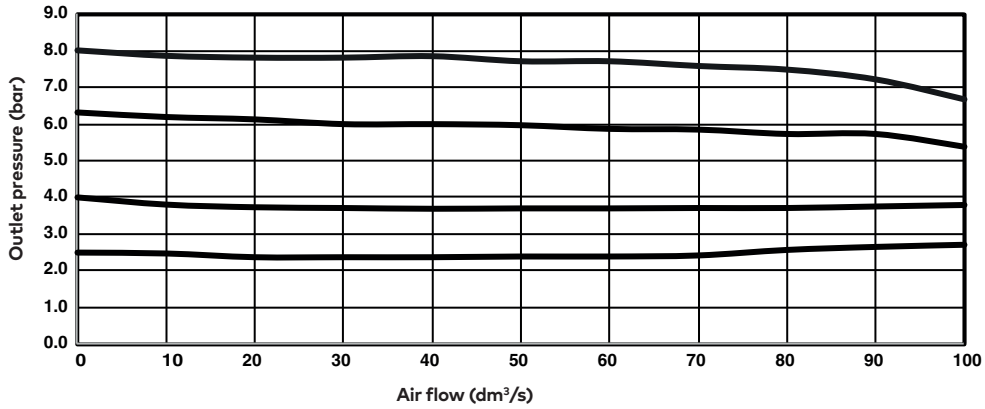
*2) Available on request

*3) Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

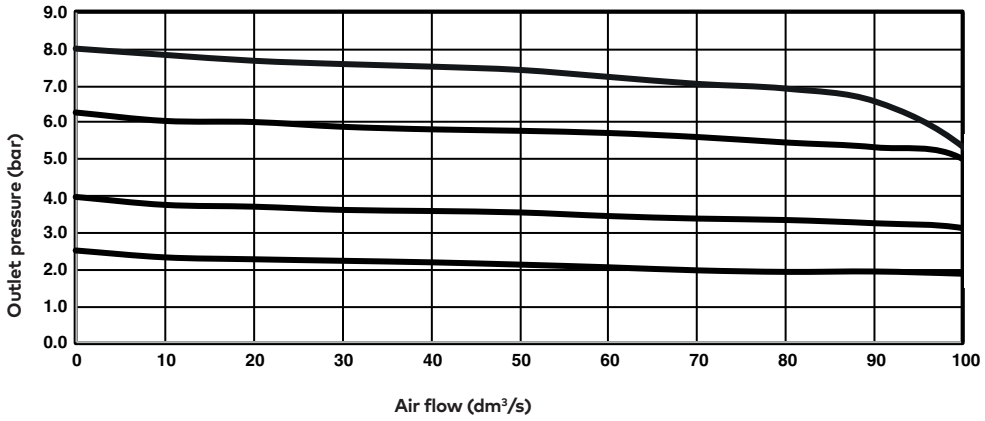
*4) Attention : With integrated gauge temperature range of the unit changes to -20°C ... +65°C

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

Quikclamp®

Page 6

H840014-51KIT

Quikclamp® with bracket assembled

Page 6

H840014-52KIT

Neck mounting bracket and panel nut

Page 6

840068-51KIT

Panel mounting nut

Page 6

840048-89KIT

Mounting bracket

Page 6

840024-50KIT

Gauge adaptor kit 1/8 PTF

H840143-01KIT

Gauge adaptor kit R 1/8

H840143-02KIT

Full flow porting block horizontal, 3/4 PTF

Page 7

H840028-50KIT

Full flow porting block horizontal, G3/4

Page 7

H840028-53KIT

Full flow porting block vertical, 3/4"PTF

Page 7

H840028-68KIT

Full flow porting block vertical, G3/4"

Page 7

H840028-69KIT

Port Adaptors

Page 8

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 7

H840016-50KIT

Pressure sensing block G1/4

Page 7

H840016-51KIT

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

Page 6

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)

Maintenance/Service

Filter cartridge 5 micron

H840038-50KIT

Filter cartridge 40 micron

H840038-51KIT

Auto drain kit with metal Nut

3000-40

HR84 / HB84 Elastomer Kit, relieving

HFRLB84-KIT

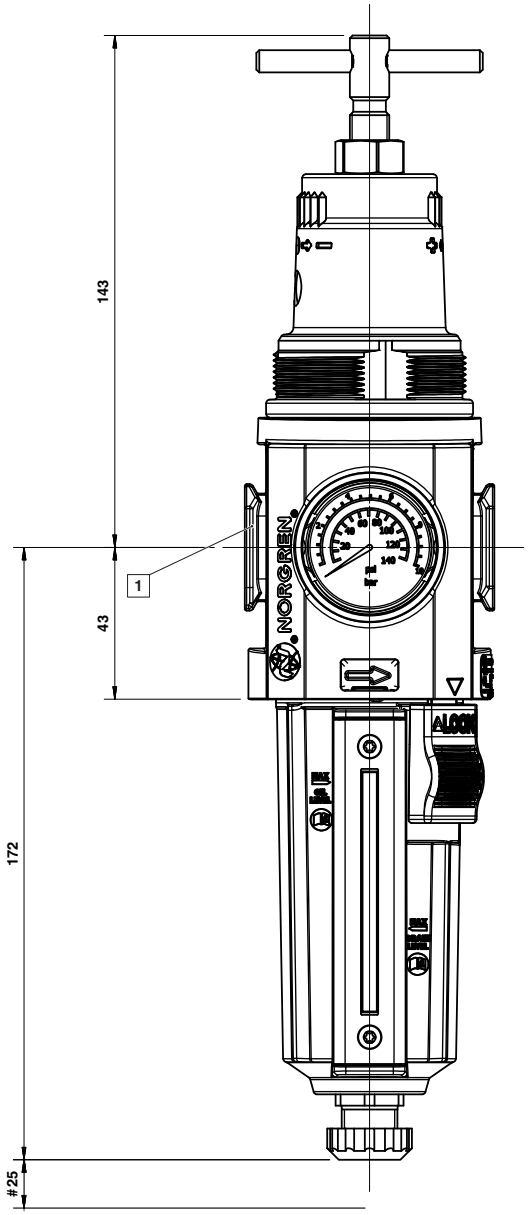
HR84 / HB84 Elastomer kit, Non-relieving

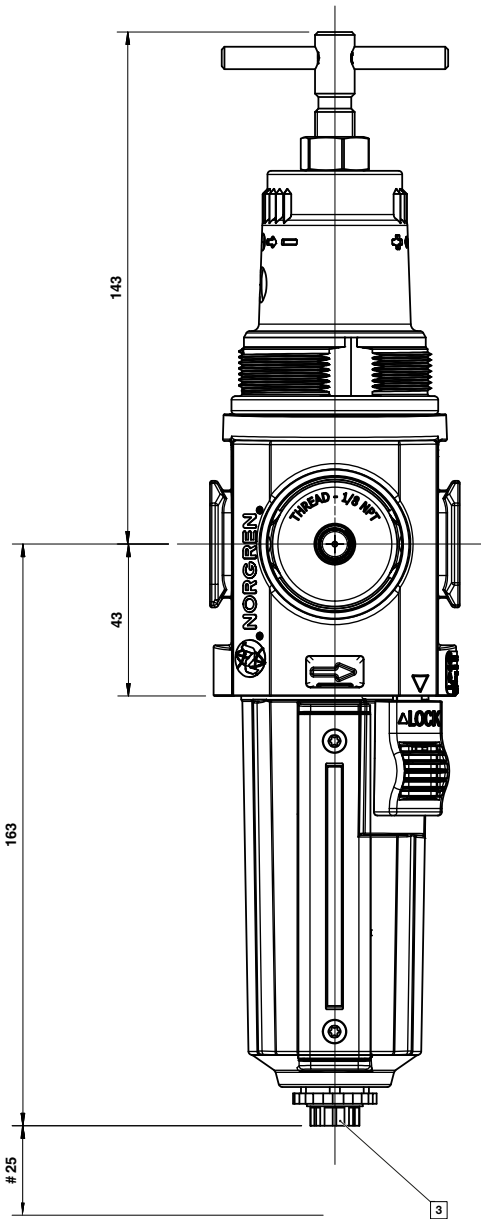
FRLB84NR-KIT

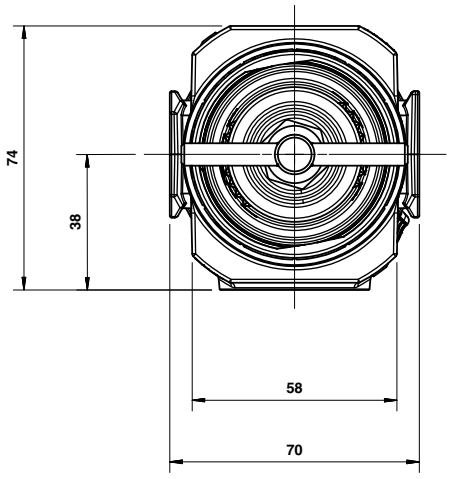
Dimensions

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 Gauge port Rc 1/8 for ISO G and 1/8 PTF for PTF main ports

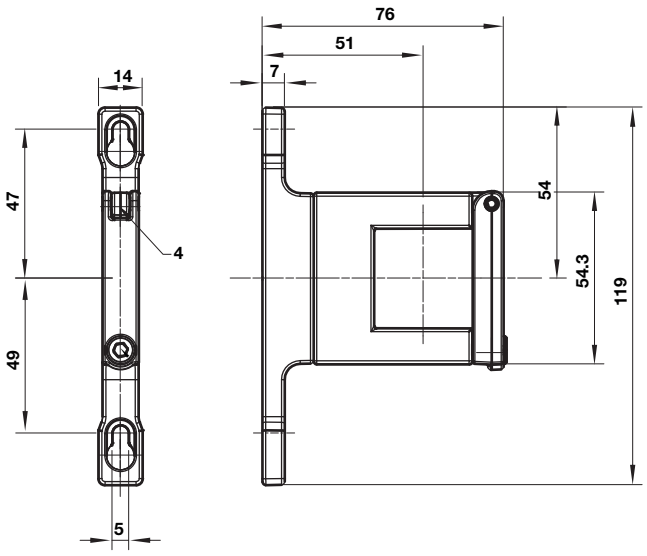
3 Port size automatic drain : G1/8

Accessories

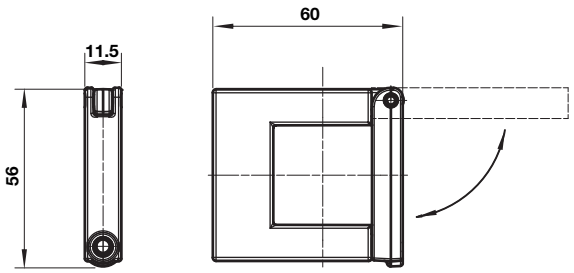
Dimensions in mm

Projection/First angle

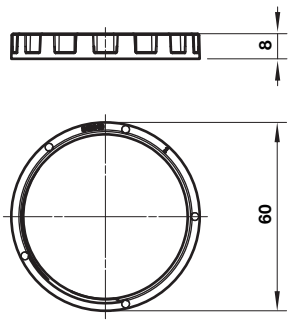
Quikclamp® with wall bracket



Quikclamp®

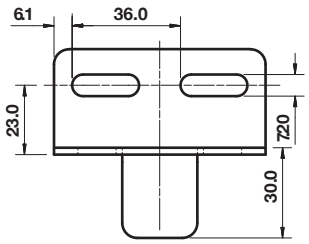


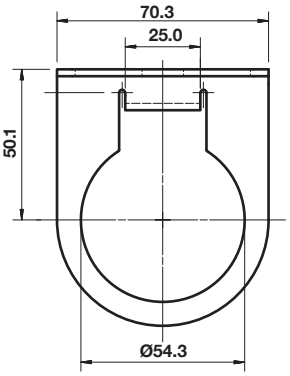
Panel mounting nut



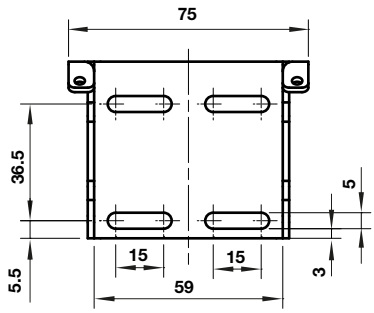
Recommended panel hole size:
ø 55 mm ... 57 mm
Panel thickness:
2 ... 6 mm

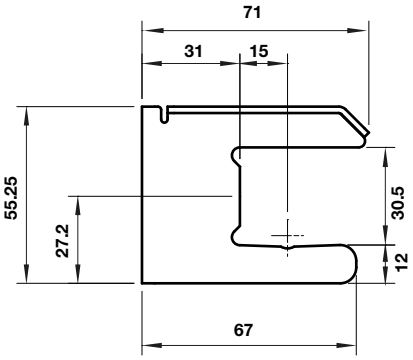
Neck mounting bracket



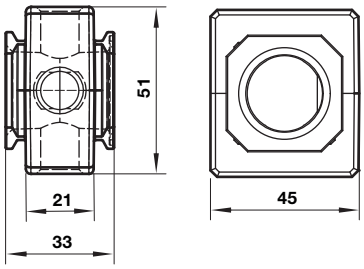


Mounting bracket





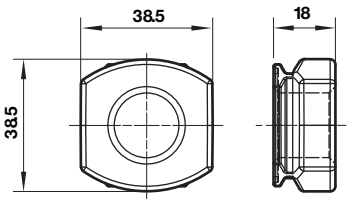
Pressure sensing block



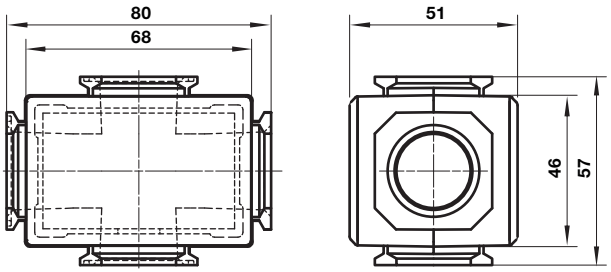
Pipe adaptor

Dimensions in mm

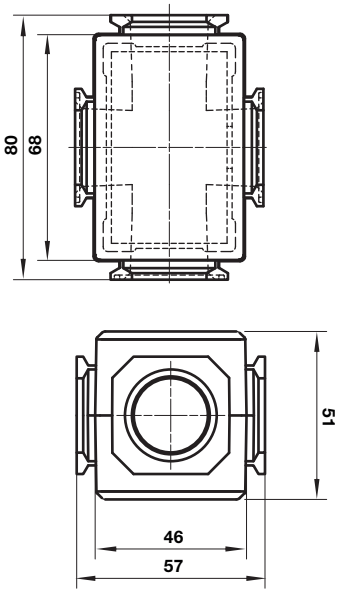
Projection/First angle



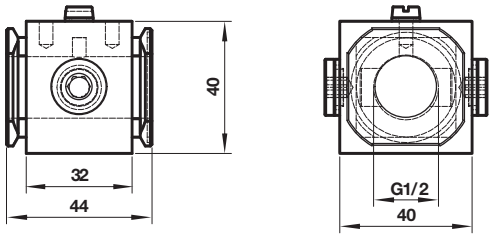
Full flow porting block horizontal



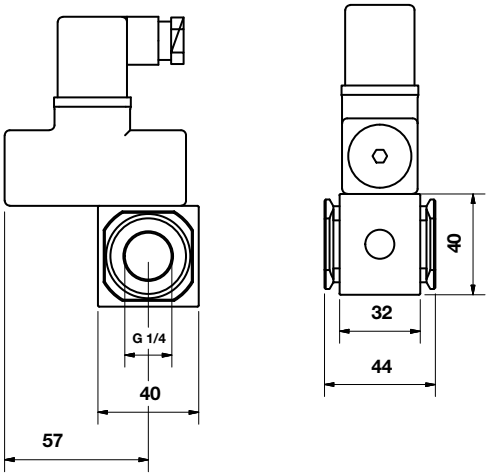
Full flow porting block vertical



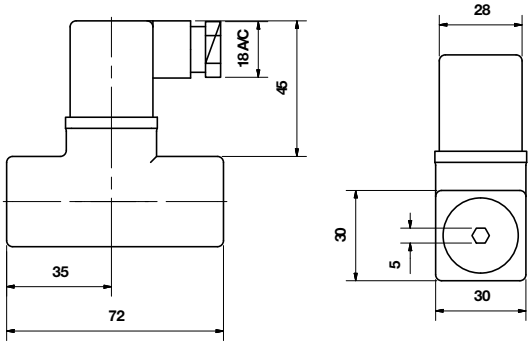
Porting block for 18D pressure switch



18D Porting block and 18D assembled

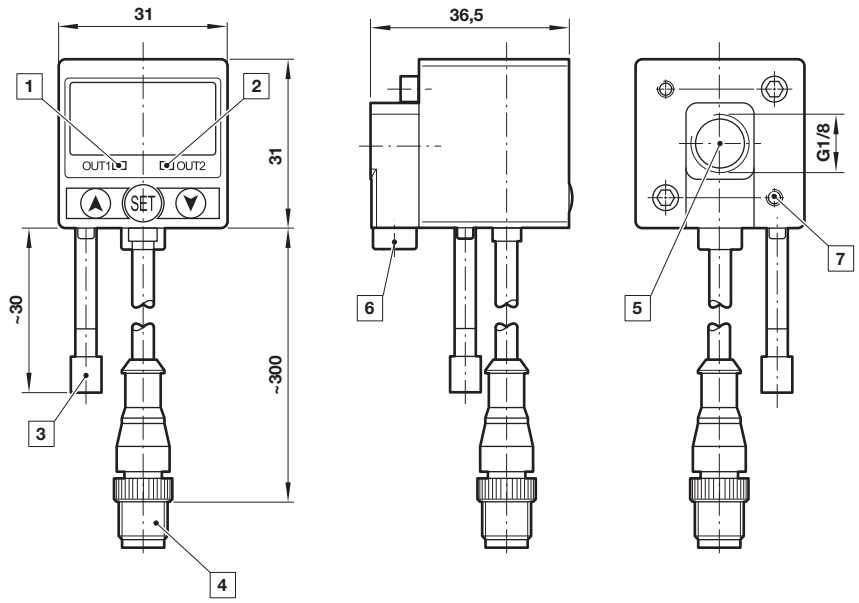


18D Pressure switch



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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Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult
IMI Precision Engineering, Norgren Ltd.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

- **Port size: 1/4 PTF**
- **Designed for use in corrosive environments**
- **Adjusting knob has snap-action lock**
- **Applications include marine environment, oil and gas production, chemical and industrial compressed air systems**
- **Metallic parts meet NACE***

* National Association of Corrosion Engineers (NACE) MR-01-75) defines requirements for sulphide stress cracking resistant materials used in well-head and other corrosive environments.

Technical features

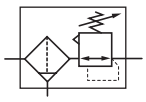
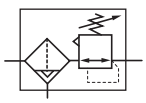
Medium:
Compressed air or neutral gases
Other media on request
Operating pressure:
20 bar max (290 psi)
Pressure range:
0,3 ... 8,5 bar (4 ... 123 psi),
0,3 ... 3,5 bar (4 ... 50 psi)

Element:
5 or 40 µm
Diaphragm:
Relieving or non-relieving
Typical flow:
see below
Gauge ports:
1/8 PTF

Ambient/Media temperature:
Actetal bonnet
-25 ... 66°C (-13 ...+150 °F)
T-handle
-25 ... 80°C (-13 ...+176 °F)
-40°C (-40 °F) version on request
Air supply must be dry enough to avoid ice formation at temperatures below 2°C (+35 °F).

Materials:
Body, valve and bowl: 1.4104 (316) stainless steel
Bonnet: 1.4104 (316) stainless steel with T-handle or Acetal adjusting knob
Valve seat: Acetal
Springs: 1.4319 (302) stainless steel
Drain: stainless steel or Acetal
Element: sintered PE
Elastomers: FPM, automatic drain NBR

Technical data, standard models

Symbol	Port size	Pressure range (bar)	Flow * (dm^3/s)	Diaphragm	Element (µm)	Bonnet type	Drain type (material)	Weight (kg)	Model
	1/4 PTF	0,3 ... 8,5	7	Relieving	5	Knob (Acetal)	Manual (Acetal)	0,38	B05-233-M1LA
	1/4 PTF	0,3 ... 8,5	7	Relieving	5	T-handle (stainless steel)	Manual (stainless steel)	0,54	B05-238-M1LA
	1/4 PTF	0,3 ... 8,5	7	Relieving	5	Knob (Acetal)	Automatic (stainless steel)	0,38	B05-233-A1LA

* Flow with 5 µm element, 10 bar inlet pressure, 6,3 bar set pressure and 1 bar droop form set.

Option selector

B05-2★★-★★★A

Bonnet	Substitute
Relieving, acetal knob	33
Non relieving, acetal knob	35
Relieving, stainless steel T-handle	38 *1)
Non-relieving, stainless steel T-handle	41 *1)
Drain	**Substitute**
Automatic (stainless steel)	A
Manual (Acetal)	M

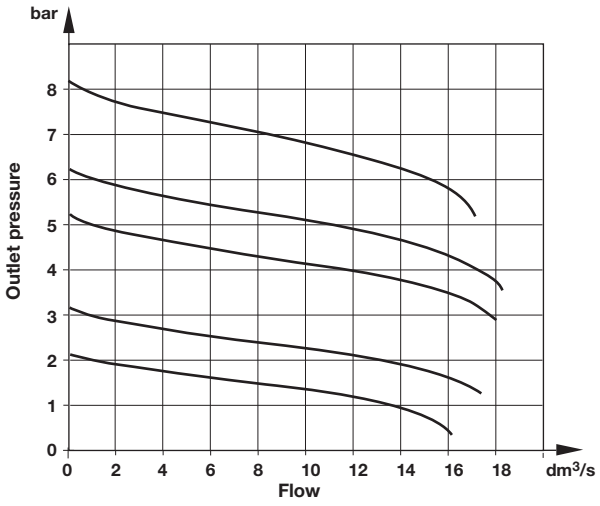
*1) Options 38 and 41 have stainless steel manual drains as standard.

Outlet pressure adjustment ranges *	Substitute
0,3 ... 3,5 bar	E
0,3 ... 8,5 bar	L
Element	**Substitute**
5 µm	1
40 µm	2

* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Air flow characteristics

B05 – Port size: 1/4 PTF, inlet pressure: 12 bar, pressure range: 0,3 ... 8,5 bar, 5 µm element



Accessories

Panel nut	Gauge, 0 ... 10 bar, Ø 40 mm, Port size: 1/8 PTF
	
2962-89 (Acetal)	18-013-844 *1)

*1) Stainless steel items not strictly to NACE standard MR-01-75.

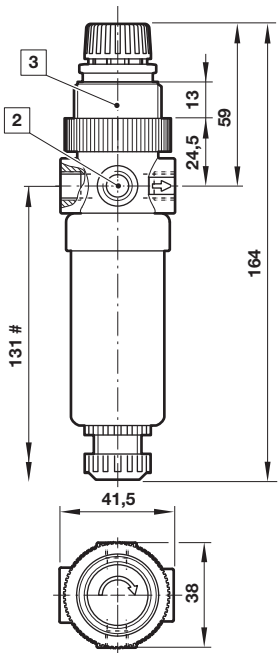
Spares kit

Service kit

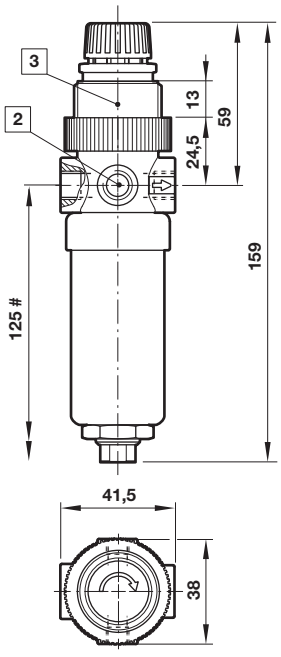
3820-08 (relieving)
3820-09 (non-relieving)

Dimensions in mm
Projection/First angle

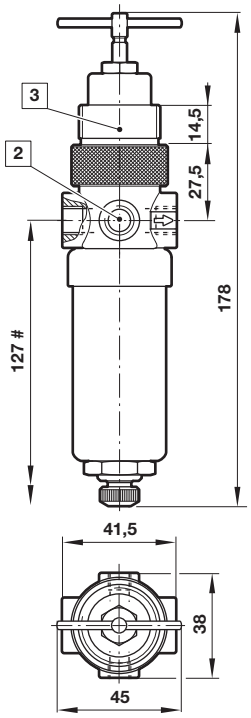
Filter/Regulator with Acetal knob and manual drain



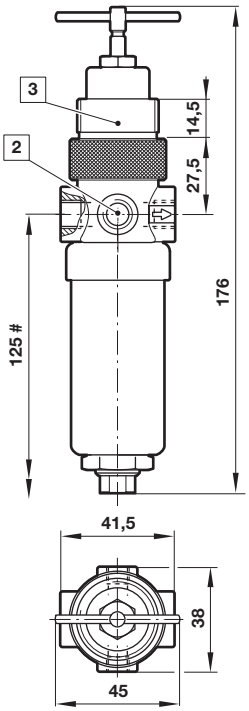
Filter/Regulator with Acetal knob and automatic drain



Filter/Regulator with stainless steel T-handle and manual drain



Filter/Regulator with stainless steel T-handle and automatic drain



Minimum clear distance required to remove bowl.

2 Gauge port: 1/8 PTF, standard units are shipped with two plugs for sealing gauge ports.

3 Panel mounting hole diameter 30 mm, Panel thickness 0 ... 6 mm

Warning

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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.

B64G - Olympian Plus plug-in system Filter/regulator

- **Port size: 1/4" ... 3/4" (ISO G/PTF)**
- **High efficiency water removal**
- **Diaphragm and balanced valve design ensure good regulation characteristics**
- **Non-rising adjusting knob has snap-action lock**
- **Quick release bayonet bowl**

Technical features

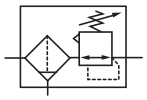
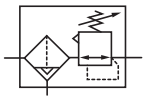
Medium:
Compressed air only
Maximum operating pressure:
17 bar (246 psi)
Pressure range:
(standard)
0,3 ... 10 bar (4 ... 145 psi)
(optional)
0,4 ... 4 bar (5 ... 58 psi),
0,7 ... 17 bar (10 ... 246 psi)
Filter element:
5 or 40 µm
Port sizes:
1/4", 3/8", 1/2" or 3/4"

Gauge port:
1/8 PTF with PTF main ports
Rc1/8 with ISO G main ports
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 dm^3/s (1.3 scfm)
Relieving:
With (standard)
Non-relieving (optional)

Bowl size:
0,2 litre (7 fluid oz)
Standard compliances:
II 2G Ex h IIC T6 Gb
II 2D Ex h IIIC T85° Db
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
Filter element: Sintered plastic
Adjusting knob: Acetal resin
Elastomers: NBR

Technical data, standard models

Symbol	Port size	Size	Pressure range (bar)	Filter element (µm)	Flow * (dm^3/s)	Bowl	Drain	Weight (kg)	Model
	G1/4	–	0,3 ... 10	40	30	Metal	Manual	1,71	B64G-2GK-MD3-RMN
	G3/8	–	0,3 ... 10	40	76	Metal	Manual	1,69	B64G-3GK-MD3-RMN
	G1/2	Basic	0,3 ... 10	40	106	Metal	Manual	1,66	B64G-4GK-MD3-RMN
	G3/4	–	0,3 ... 10	40	106	Metal	Manual	2,02	B64G-6GK-MD3-RMN
	Without yoke	–	0,3 ... 10	40		Metal	Manual	1,24	B64G-NNK-MD3-RMN
	G1/4	–	0,3 ... 10	40	30	Metal	Automatic	1,71	B64G-2GK-AD3-RMN
	G3/8	–	0,3 ... 10	40	76	Metal	Automatic	1,69	B64G-3GK-AD3-RMN
	G1/2	Basic	0,3 ... 10	40	106	Metal	Automatic	1,66	B64G-4GK-AD3-RMN
	G3/4	–	0,3 ... 10	40	106	Metal	Automatic	2,02	B64G-6GK-AD3-RMN
	Without yoke	–	0,3 ... 10	40		Metal	Automatic	1,26	B64G-NNK-AD3-RMN

* Typical flow with 10 bar (145 psi) inlet pressure, and 6,3 bar (91 psi) set pressure and 1 bar (14.5 psi) drop from set.

Option selector

B64G-★★★-★D★-★★★

Port size	Substitute
1/4"	2
3/8 "	3
1/2 "	4
3/4"	6
Without yoke	N

Threads form	Substitute
PTF	A
ISO G (standard)	G
Without yoke (standard)	N

Adjustment	Substitute
Knob (standard)	K
T-bar (0,7 ... 17 bar)	T *2)

Drain	Substitute
Automatic	A
Manual	M

Gauge	Substitute
With	G
Without (standard)	N

Pressure range (bar) *1)	Substitute
0,3 ...10 (standard)	M
0,3 ... 4	F
0,7 ... 17	S *2)

Diaphragm	Substitute
Relieving (standard)	R
Non-relieving	N

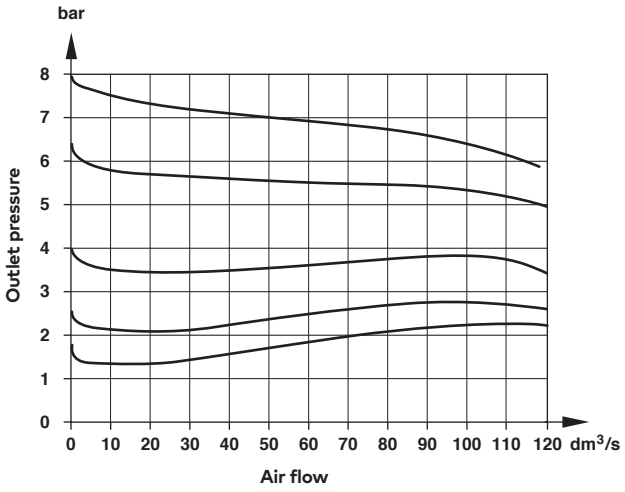
Filter element	Substitute
5 µm	1
40 µm (standard)	3

*1) Outlet pressure can be adjusted to pressures in excess of and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

*2) Units with 17 bar (246 psi) outlet pressure range are available only with the T-bar adjustment; therefore substitute T at the 7th digit and S at the 9th position.

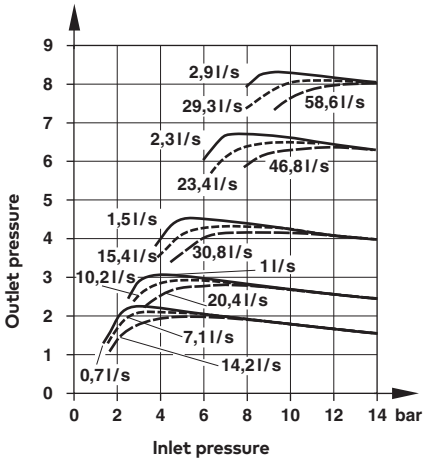
Flow characteristics

Inlet pressure: 10 bar, port size: 1/2", filter element: 40 µm
Pressure range: 0,3 ... 10 bar



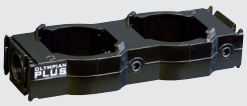
Regulating characteristics

Port size: 1/2"



Accessories, service kit and gauges

Accessories

Thread	Models with G-thread Single yoke  5	Double yoke 	3/2 Shut-off valve Threaded inlet only 	Threaded outlet only 	End connector kit  2	Rear entry bracket kit  8
G1/4	Y64A-2GA-N1N	Y64A-2GA-N2N	T64T-2GB-P1N	T64T-2GC-P1N	–	–
G3/8	Y64A-3GA-N1N	Y64A-3GA-N2N	T64T-3GB-P1N	T64T-3GC-P1N	–	–
G1/2	Y64A-4GA-N1N	Y64A-4GA-N2N	T64T-4GB-P1N	T64T-4GC-P1N	74505-50	–
G3/4	Y64A-6GA-N1N*	Y64A-6GA-N2N*	T64T-6GB-P1N	T64T-6GC-P1N	74505-53	18-026-981
1/4 PTF	Y64A-2AA-N1N	Y64A-2AA-N2N	T64T-2AB-P1N	T64T-2AC-P1N	–	–
3/8 PTF	Y64A-3AA-N1N	Y64A-3AA-N2N	T64T-3AB-P1N	T64T-3AC-P1N	–	–
1/2 PTF	Y64A-4AA-N1N	Y64A-4AA-N2N	T64T-4AB-P1N	T64T-4AC-P1N	74505-52	–
3/4 PTF	Y64A-6AA-N1N*	Y64A-6AA-N2N*	T64T-6AB-P1N	T64T-6AC-P1N	74505-55	–

*These yokes are supplied with two end connenctor kits as standard.

Bracket mounting  1	Nut  4	Tamper resistant cap & seal wire  3	Yoke connector kit  9	Porting block 	Padlock with two keys 
74504-50	74502-89	4355-51	74503-51	74507-50	0613633 (brass)

Service kit

Service kit, manual drain 	Service kit, automatic drain 
B64G-KITM05R (5 µm)	B64G-KITA05R (5 µm)
B64G-KITM40R (40 µm)	B64G-KITA40R (40 µm)

Gauges

Center back connection, white face (full technical specification see datasheet 8.900.900)

6

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

Center back connection, black face for North America (full technical specification see datasheet 8.900.900)

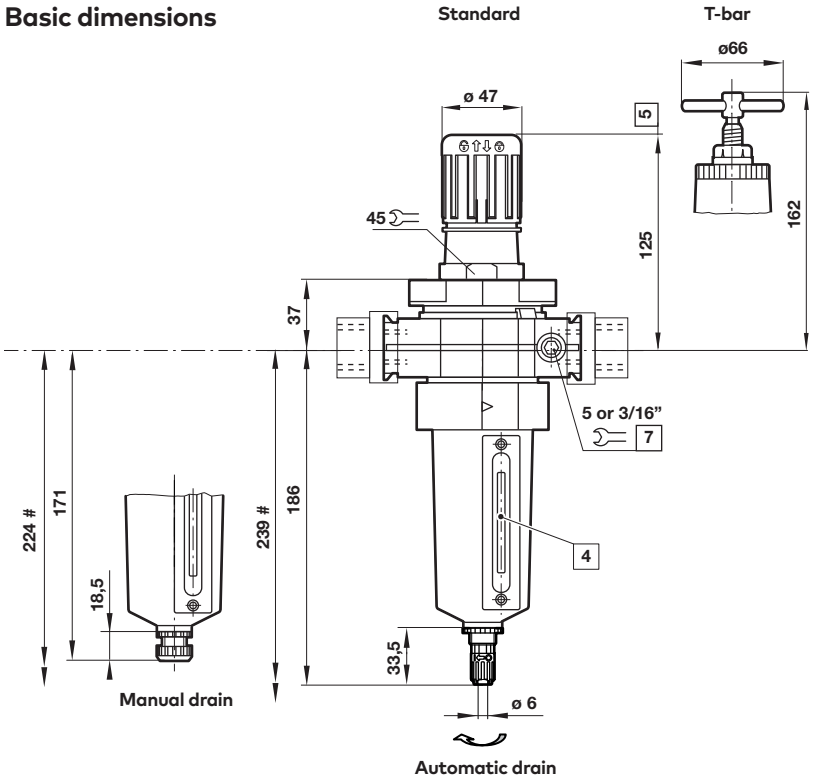
6

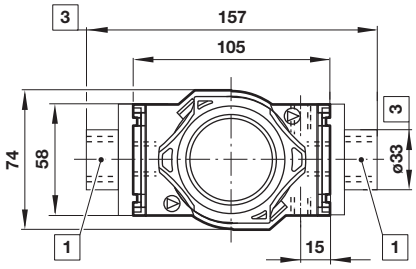
Pressure range psig *1	bar	MPa	Ø	Thread size	Model
0 ... 60	0 ... 4	0 ... 0.4	2" (50 mm)	1/8 NPT	18-015-202
0 ... 160	0 ... 11	0 ... 1.1	2" (50 mm)	1/8 NPT	18-015-204
0 ... 400	0 ... 28	0 ... 2.8	2" (50 mm)	1/8 NPT	18-015-206

*1) primary scale

Basic dimensions

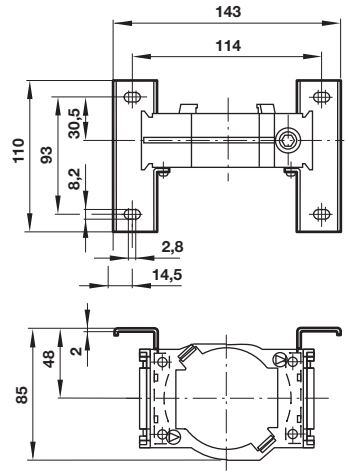
Dimensions in mm
Projection/First angle





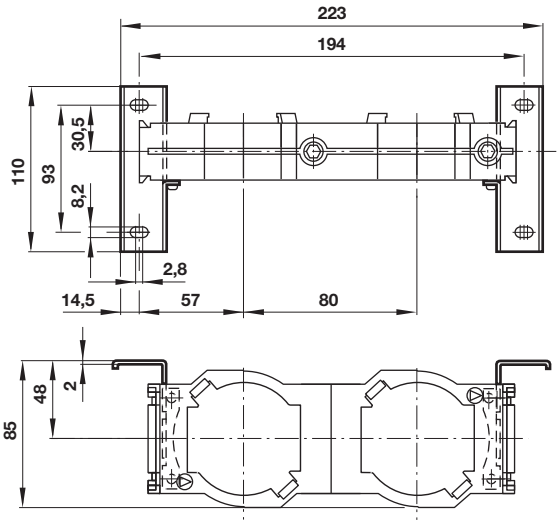
Minimum clearance required to remove bowl
1 Main ports 1/4", 3/8", 1/2" or 3/4"
3 For main ports 3/4" only
4 Sight glass
5 Reduces by 4 mm with knob in locked position
7 Gauge port 1/8"

Single yoke with bracket mounting

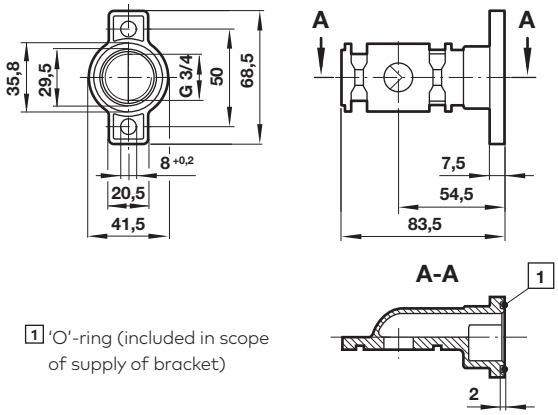


Double yoke with bracket mounting

Dimensions in mm
Projection/First angle

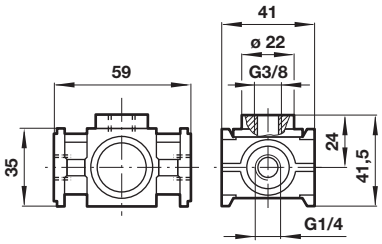


Rear entry bracket 18-026-981



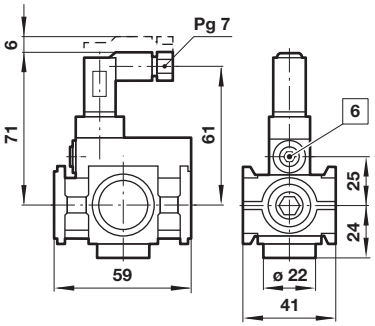
1 'O'-ring (included in scope of supply of bracket)

Porting block 74507-50



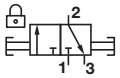
Adjustable pressure switch 4346-99

Voltage	24 V d.c./240 V a.c.
Current	0,5 A (d.c.); 5 A (a.c.)
Pressure range	2 ... 10 bar
Repeatabillity	2% of full set point range at 20°C
Average deadband	0,8 ... 1,7 bar
Electrical connection (corresponding to choosen coil)	EN 175301-803 - Form C, 15 mm
Degee of protection:	IP65
Adjustable	Standard
Material	Body: Aluminium, Elastomers: NBR

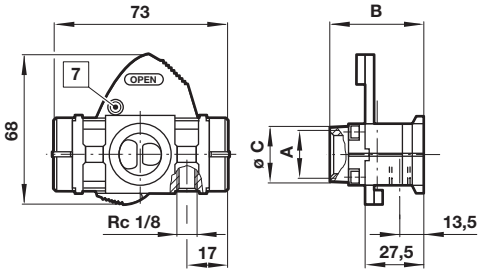


6 Adjusting screw

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

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.

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.

B84G -
General purpose filter/regulator
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%)**
- **Double safety lock bowl**
- **Air purity classes in ccordance to ISO8573-1:2010: 7:8:4 (40µm) 6:8:4 (5µm)**
- **Push to lock adjusting knob with built in tamper resistant 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 gauge as standard, integrated electronic pressure sensor as option**
- **Relieving and Non-relieving options**
- **DoC in accordance with 2014/34/EU/ATEX**

Technical features filter/regulator

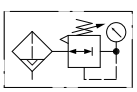
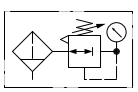
Medium:
Compressed air only
Maximum supply pressure:
Polycarbonate bowl: 10 bar (145 psi)
Metal bowl: 20 bar (290 psi)
Outlet pressure ranges:
0,3 ...10 bar (4 ... 145 psi),
0,3 ... 4 bar (4 ... 58 psi) optional,
0,3 ... 7 bar (4 ... 101 psi) optional,
0,7 ... 17 bar (10 ... 247 psi) optional
Filter element:
5 µm & 40 µm
Port size:
G3/8, G1/2, G3/4,
3/8 PTF, 1/2 PTF, 3/4 PTF
Gauge:
Integrated as standard
Gauge port 1/8 or electronic pressure sensor as option

Flow:
100 dm^3/s at port size: 1/2",
inlet pressure 10 bar (145 psi),
6,3 bar (91 psi) set pressure and
a Δp: 1 bar (14,5 psi) droop from set. Filter element: 40 µm
Diaphragm Type:
Relieving and Non-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 dm^3/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).
Atex:
Filter/regulators B84 are in conformity with Atex 2014/34/EU
II 2 GD
Ex h IIC T6 Gb
EX h IIIC T85°C Db
excluding all versions with electronic pressure sensor

Materials:
Body: Die cast aluminium
Body covers: ABS
Bonnet: Acetal/ Aluminium
Valve: PP with Geolast seals
Transparent Bowl : Polycarbonate with Polyproplyene Guard.
Metal Bowl: Die cast Aluminium with PA liquid level indicator lens
Filter element: sintered PP
Bowl 'o'- ring: Chloroprene
Elastomers: NBR

Technical data B84G - standard models with integrated flush mounted gauge

Symbol	Port size	Drain	Pressure range (bar)	Filter element (µm)	Bowl	Weight (kg)	Model *1)
	G3/8	Auto	0,3 ... 10	40	Guarded polycarbonate	0,73	B84G-3GK-AP3-RMG
	G1/2	Auto	0,3 ... 10	40	Guarded polycarbonate	0,73	B84G-4GK-AP3-RMG
	G3/4	Auto	0,3 ... 10	40	Guarded polycarbonate	0,73	B84G-6GK-AP3-RMG
	G3/8	Auto	0,3 ... 10	40	Metal with level indicator	0,88	B84G-3GK-AD3-RMG
	G1/2	Auto	0,3 ... 10	40	Metal with level indicator	0,88	B84G-4GK-AD3-RMG
	G3/4	Auto	0,3 ... 10	40	Metal with level indicator	0,88	B84G-6GK-AD3-RMG
	G3/8	Manual	0,3 ... 10	40	Guarded polycarbonate	0,73	B84G-3GK-QP3-RMG
	G1/2	Manual	0,3 ... 10	40	Guarded polycarbonate	0,73	B84G-4GK-QP3-RMG
	G3/4	Manual	0,3 ... 10	40	Guarded polycarbonate	0,73	B84G-6GK-QP3-RMG
	G3/8	Manual	0,3 ... 10	40	Metal with level indicator	0,88	B84G-3GK-QD3-RMG
	G1/2	Manual	0,3 ... 10	40	Metal with level indicator	0,88	B84G-4GK-QD3-RMG
	G3/4	Manual	0,3 ... 10	40	Metal with level indicator	0,88	B84G-6GK-QD3-RMG

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

B84G - Filter/regulator with integrated electronic pressure sensor

> Electronic monitoring of secondary pressure
> 1.44" full colour graphic display. Excellent Visual Management.
> Parameter Adjustment via front screen Buttons or Accessed Via IO-Link
> Configurable switching output
> Adjustable settings:
  Setpoint,
  Tolerance,
  Hysteresis,
  Pressure Units,
  Temperature Units,
  Screen Orientation,
  Digital Output Type (NPN, PNP, Push-Pull),
  Digital Output State (Normally High, Normally Low)
> Install as a standard electronic pressure sensor or a pressure transducer with IO-Link

IO-Link

Technical features integrated electronic pressure sensor

Electrical parameters

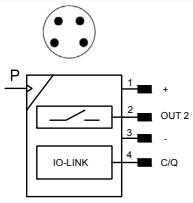
Secondary pressure measurement range:
0 ... 10 bar
(0 ... 145 psi, 0 ... 1.0 MPa)
Repeatability:
≤ 0.1% of full scale (FS) at stable temperature
Accuracy:
≤ 1.5% of full scale (FS) of detected pressure (0 ... +50°C, +32 ... +122°F)

Units:
Pressure: bar, psi, MPa
Temperature: °C, °F
Voltage: V

Display:
1.44" full colour TFT LCD
Text / background colours:
white/green: pressure in range
white/red: pressure out of range
white/amber: error
black white: setting mode
Display fields:
User configurable identifier, pressure value, pressure units, user configurable message, menu

IO-Link function:
Pressure information
Pressure out of range warnings
Temperature diagnostic
Supply voltage diagnostic
Operating time diagnostic
Min. cycle time:
20 ms

Electrical connection M8 x 1

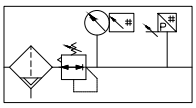
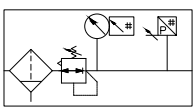


Pin-No.	Signal	Cable
1	L+ (24V)	brown
2	Out 2 (switching)	white
3	L- (0V)	blue
4	C/Q (IO-Link)	black

Electrical connection:
M8 x 1
Power supply:
18 ... 30 V d.c.
Current consumption:
20 mA
Electromagnetic compatibility:
According to EN 61000-6-2; EN 61000-6-3

Switching output:
Configurable NPN / PNP / Push-Pull / NO / NC / hi-Z
Load current:
100mA with short circuit protection

Technical data B84G - standard models with integrated electronic pressure sensor

Symbol	Port size	Drain	Pressure range (bar)	Filter element (µm)	Bowl	Weight (kg)	Model *)
	G3/8	Auto	0,3 ... 10	40	Guarded polycarbonate	0,93	B84G-3GK-AP3-RME
	G1/2	Auto	0,3 ... 10	40	Guarded polycarbonate	0,93	B84G-4GK-AP3-RME
	G3/4	Auto	0,3 ... 10	40	Guarded polycarbonate	0,93	B84G-6GK-AP3-RME
	G3/8	Auto	0,3 ... 10	40	Metal with level indicator	1,08	B84G-3GK-AD3-RME
	G1/2	Auto	0,3 ... 10	40	Metal with level indicator	1,08	B84G-4GK-AD3-RME
	G3/4	Auto	0,3 ... 10	40	Metal with level indicator	1,08	B84G-6GK-AD3-RME
	G3/8	Manual	0,3 ... 10	40	Guarded polycarbonate	0,93	B84G-3GK-QP3-RME
	G1/2	Manual	0,3 ... 10	40	Guarded polycarbonate	0,93	B84G-4GK-QP3-RME
	G3/4	Manual	0,3 ... 10	40	Guarded polycarbonate	0,93	B84G-6GK-QP3-RME
	G3/8	Manual	0,3 ... 10	40	Metal with level indicator	1,08	B84G-3GK-QD3-RME
	G1/2	Manual	0,3 ... 10	40	Metal with level indicator	1,08	B84G-4GK-QD3-RME
	G3/4	Manual	0,3 ... 10	40	Metal with level indicator	1,08	B84G-6GK-QD3-RME

Option selector *1)

B84G-★★★-★★★-★★★

Port size	Substitute
3/8"	3
1/2"	4
3/4"	6
Thread form	**Substitute**
PTF	A
ISO G parallel (standard)	G
Adjustment	**Substitute**
Knob (standard)	K
T-bar	T*2)
Drain	**Substitute**
Manual (standard)	Q
Auto drain (standard)	A
Bowl	**Substitute**
Metal with liquid indicator	D
Transparent with guard (standard)	P

Gauge	Substitute
With integrated electronic pressure sensor *3)	E
With integrated gauge	G
Without integrated gauge but with gauge port 1/8"	N
Pressure range *4)	**Substitute**
0,3 ... 4 bar	F
0,3 ... 7 bar	K
0,3 ... 10 bar (standard)	M
0,7 ... 17 bar	S*2)
Diaphragm Type	**Substitute**
Relieving	R
Non-relieving	N
Element	**Substitute**
40 µm (standard)	3
5 µm	1

*1) All models shown here are applicable for

or contact Norgren

*2) Units with 17 bar outlet pressure range are available only with the T-bar adjustment and only with metal bowl. Not available in connection with integrated pressure sensor.

*3) Only available with 10 or 4 bar pressure range

*4) Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Excelon Plus adheres to the following harmoised standard and technical specifications:

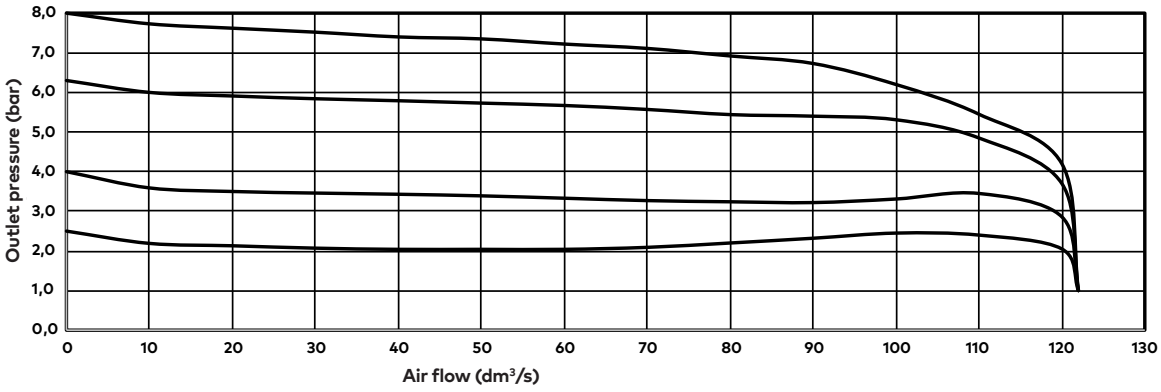
2014/34/EU Equipment and protective systems intended for use in potentially explosive atmospheres.
The following harmonised standards and technical specifications have been applied ISO 4414:2010 – Pneumatic fluid power – General rules and safety requirements for systems and their components; ISO 80079-36:2016 – 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

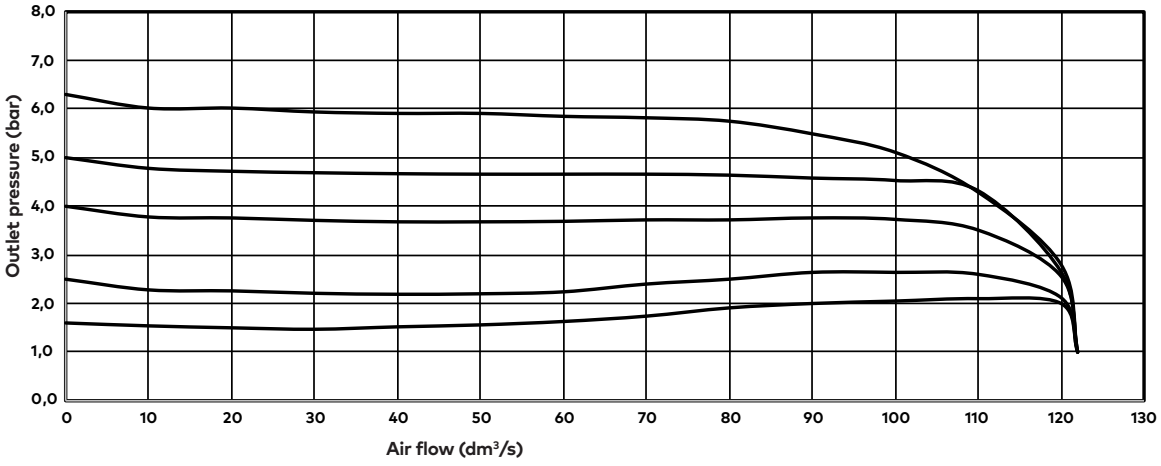
Ex h IIC T6 Gb
Ex h IIIC T85°C Db
ATEX Certification No.: NORGREN 18.0001X

Flow characteristics

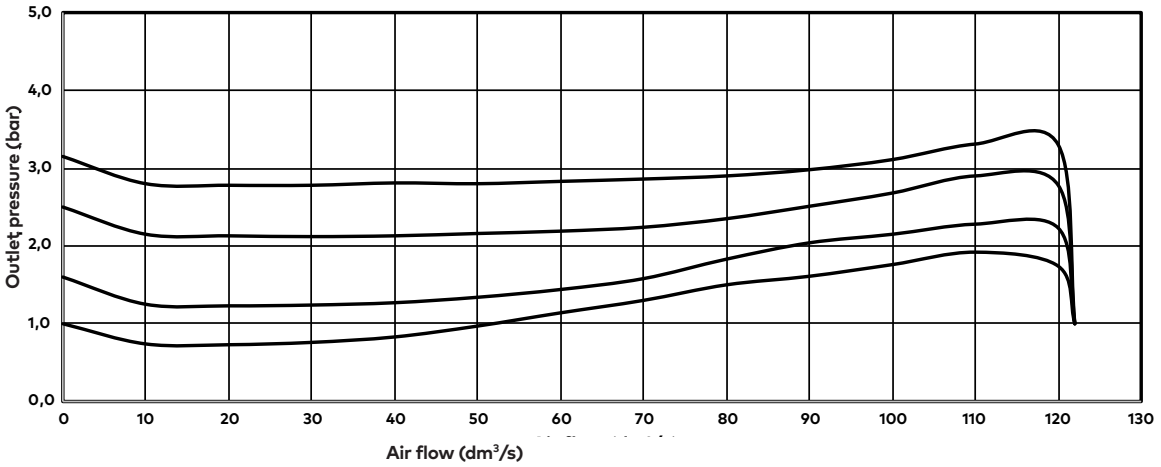
Inlet pressure: 10 bar (145 psi),
Outlet pressure range: 0,3 ... 10 bar (4 ... 145 psi)
Port size: 1/2", Filter: 40 micron



Inlet pressure: 10 bar (145 psi),
Outlet pressure range: 0,3 ... 7 bar (4 ... 101 psi)
Port size: 1/2", Filter: 40 micron



Inlet pressure: 10 bar (145 psi),
Outlet pressure range: 0,3 ... 4 bar (4 ... 58 psi)
Port size: 1/2", Filter: 40 micron



Accessories

Quikclamp®

Page 9

840014-51KIT

Quikclamp® with bracket assembled

Page 9

840014-52KIT

Hybrid Quikclamp® *1

Page 9

840014-61

Hybrid Quikclamp® with bracket assembled *1

Page 9

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

Neck mounting bracket and plastic panel nut

Page 9

840068-51KIT

Plastic panel mounting nut

Page 9

840048-89KIT

Neck mounting bracket and metal panel nut

Page 9

840068-50KIT

Metal panel mounting nut

Page 9

840048-01KIT

Mounting bracket

Page 10

840024-50KIT

Integrated gauge 10 bar gauge

840073-01KIT

Integrated gauge 20 bar gauge

840073-02KIT

Gauge adaptor kit 1/8 PTF

840100-01KIT

Gauge adaptor kit R 1/8

840100-02KIT

Full flow porting block horizontal, 3/4 PTF

Page 10

840028-50KIT

Full flow porting block horizontal, G3/4

Page 10

840028-53KIT

Full flow porting block vertical, 3/4"PTF

Page 10

840028-68KIT

Full flow porting block vertical, G3/4"

Page 10

840028-69KIT

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

Page 10

0337171000000000

Pressure sensing block 1/4 PTF

Page 10

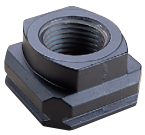
840016-50KIT

Pressure sensing block G1/4

Page 10

840016-51KIT

Port Adaptors



Page 10

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

Padlock

840055-01KIT

Lockout device

840055-02KIT

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

Page 11

0881300

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

Page 11

0860810

Electronic Pressure Sensor – stand alone version *3

Q84G

*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

IO-Link cables

Connection cable M8x1 for integrated digital pressure sensor

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

Gauges

(For regulators with gauge port instead of integrated port)

Center back connection, white face (for full technical specification see datasheet 8.900.900)

Pressure range (bar)*3)	(MPa)	(psi)	ø	Thread size	Model
0 ... 6	0 ... 0,6	0 ... 84	50 mm	R1/8	18-015-012
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

*3) primary scale

Maintenance/Service

Filter cartridge 5 micron

840038-50KIT

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, relieving

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

R84 / B84 Elastomer kit, Non-relieving

FRLB84NR-KIT

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

840025-53KIT

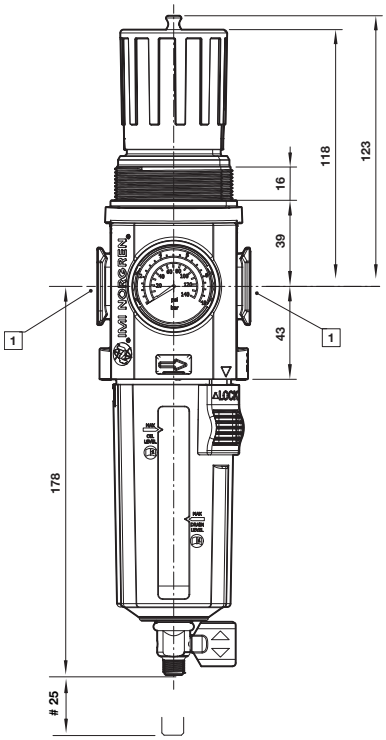
Filter Bowl (Metal with S/ Glass & auto drain, 1/4 PIF)

840003-56KIT

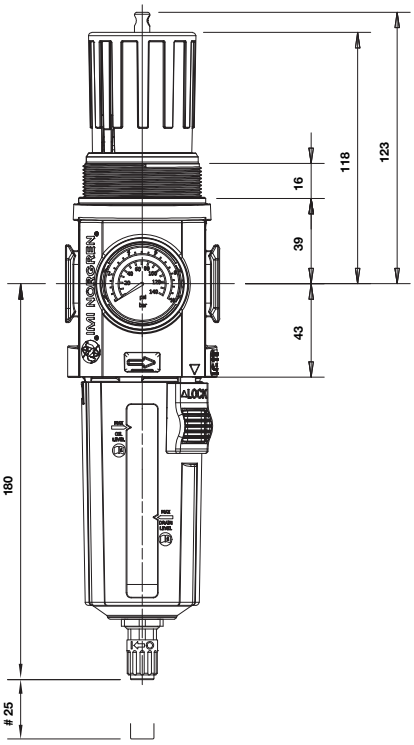
Dimensions

Dimensions in mm
Projection/First angle

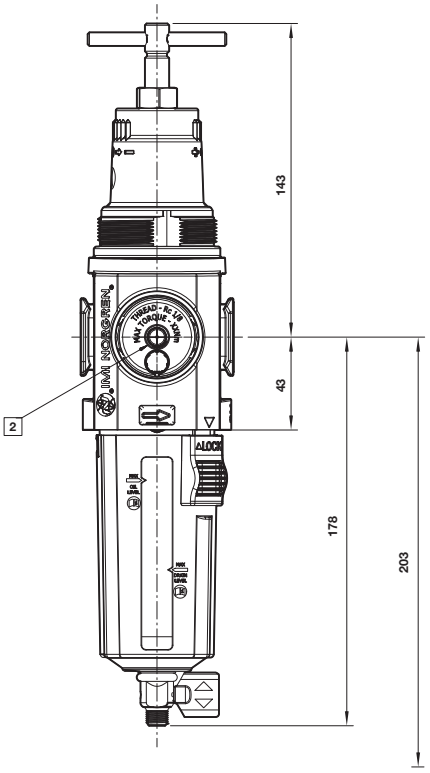
1/4 Turn Manual Drain
With knob

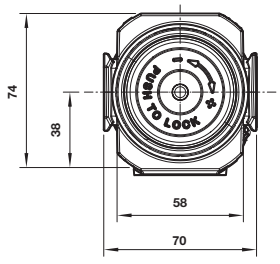


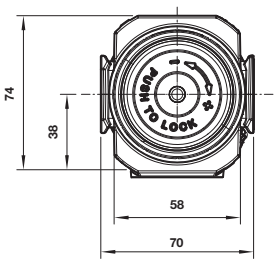
Automatic Drain

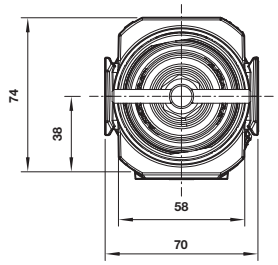


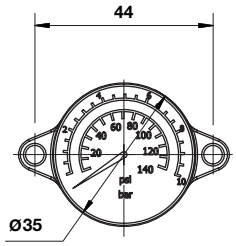
1/4 Turn Manual Drain
With T-bar











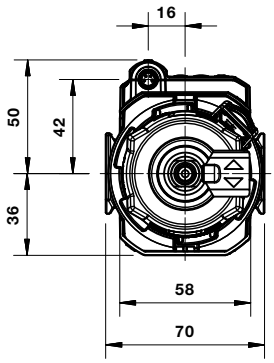
Minimum clearance for bowl removal
1 Main ports 1/4", 3/8"(ISO G/PTF)
2 Gauge Port Rc 1/8 for ISO G and 1/8 PTF for PTF main ports

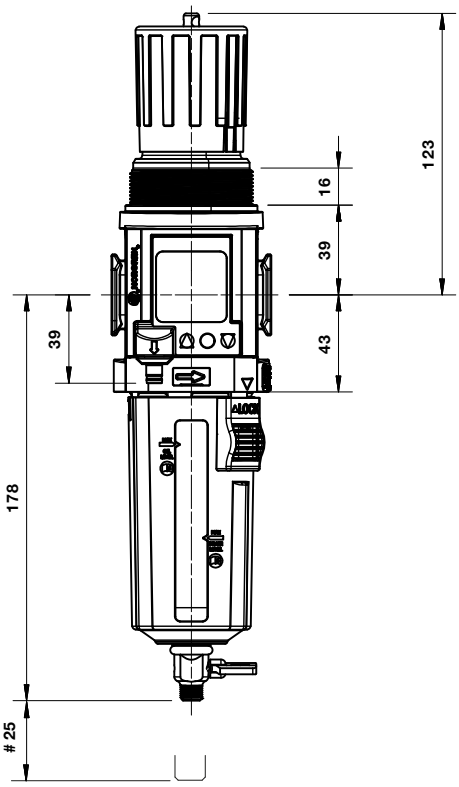
Dimensions B84G- General Purpose Filter Regulator

Dimensions in mm
Projection/First angle

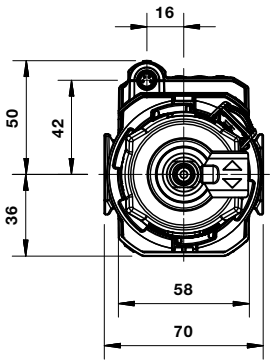
1/4 Turn Manual Drain

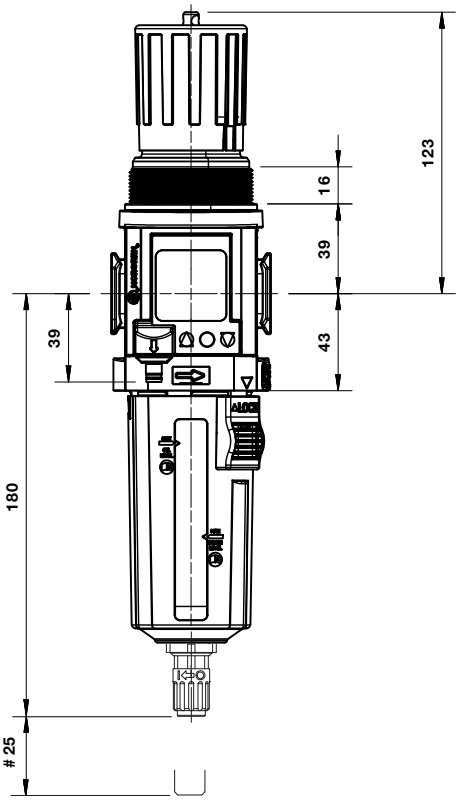
With knob





Automatic Drain

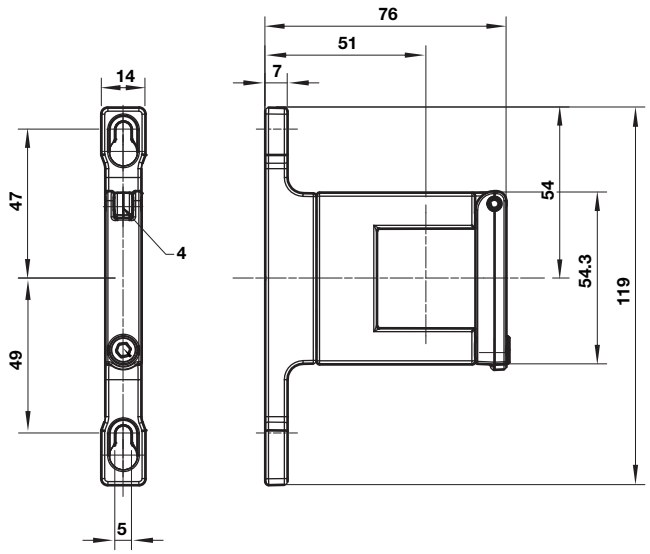




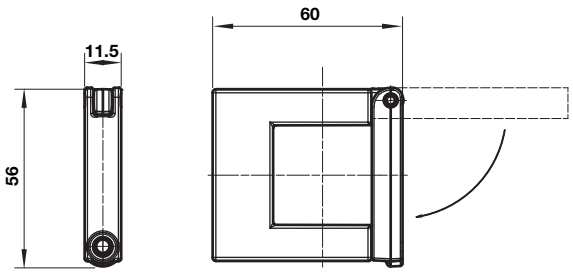
Accessories

Dimensions in mm
Projection/First angle

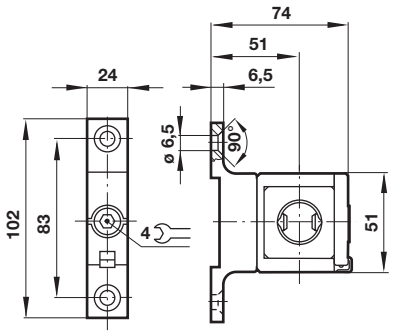
Quikclamp® with wall bracket



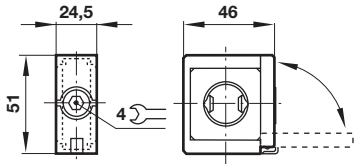
Quikclamp®



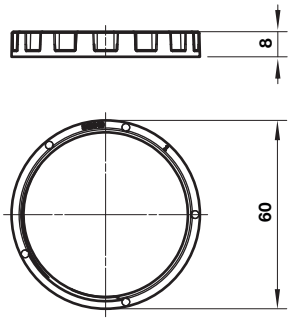
Hybrid-Quikclamp® with wall bracket



Hybrid-Quikclamp®



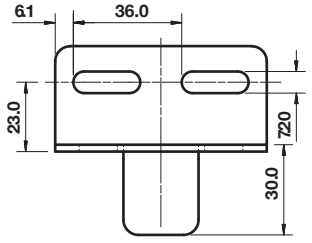
Panel mounting nut

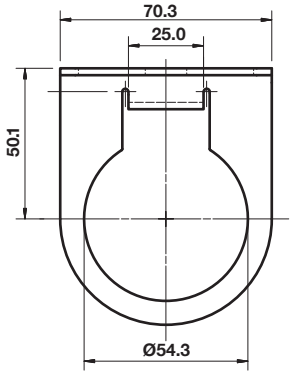


Recommended panel hole size:
ø 55 mm ... 57 mm

Panel thickness:
2 ... 6 mm

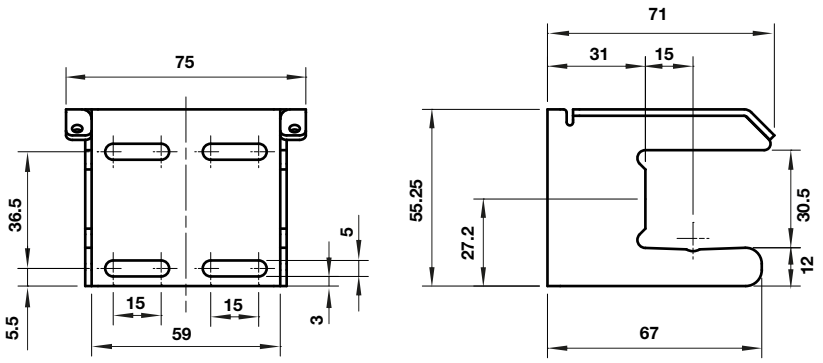
Neck mounting bracket



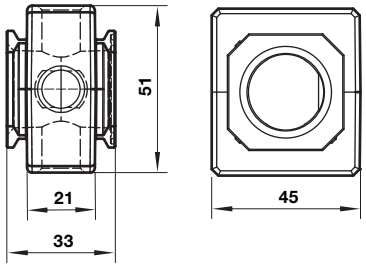


Mounting bracket

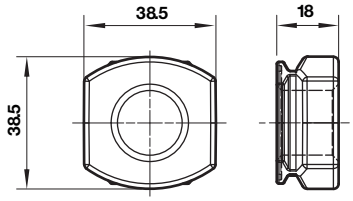
Dimensions in mm
Projection/First angle



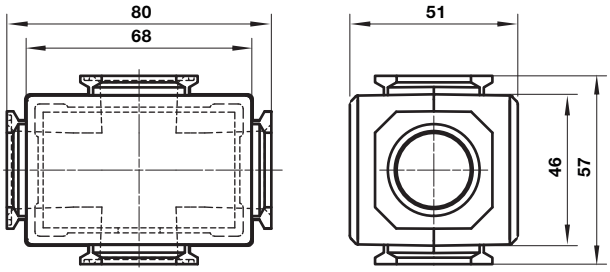
Pressure sensing block



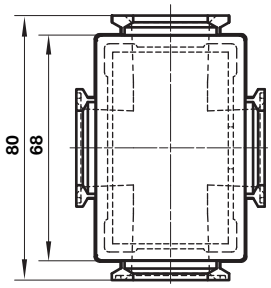
Pipe adaptor



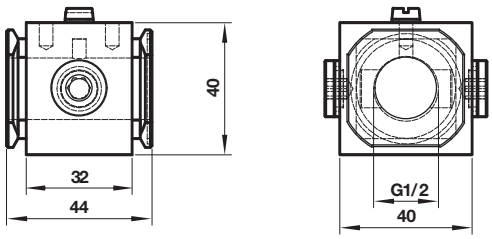
Full flow porting block horizontal

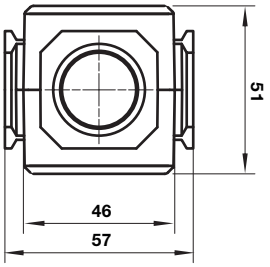


Full flow porting block vertical

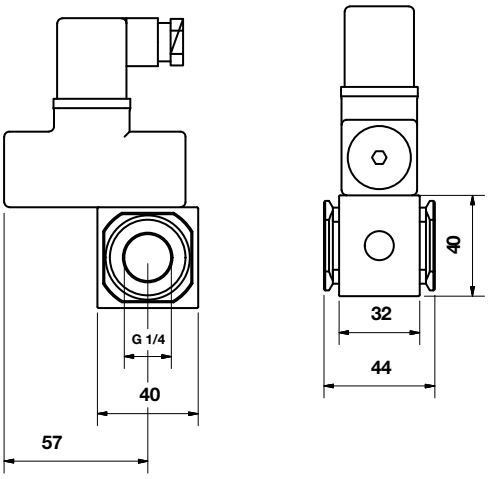


Porting block for 18D pressure switch



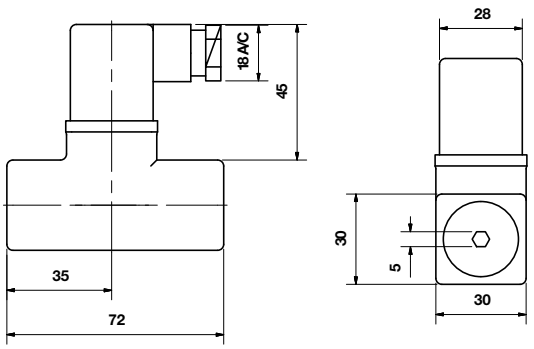


18D Porting block and 18D assembled

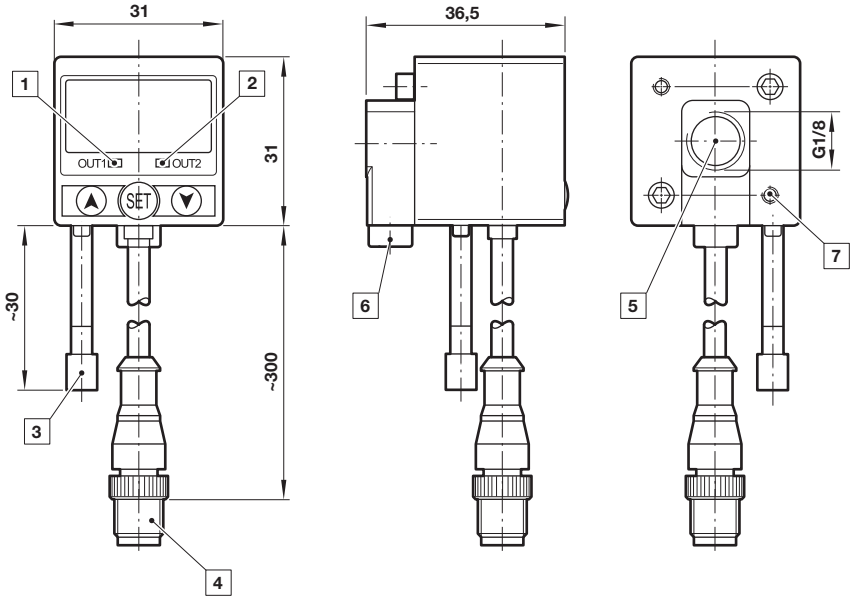


18D Pressure switch

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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IMI Precision Engineering, Norgren Ltd.

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System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

- **Port size: G1/8 & G1/4**
- **Very compact unit**
- **High efficiency fluids and particle removal**

Technical features

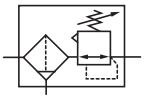
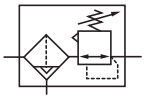
Medium:
Compressed air only
Maximum inlet pressure:
10 bar (145 psi) Transparent bowl
17 bar (246 psi) Metal bowl
Pressure range:
0,3 ... 7 bar (4 ... 101 psi),
0,3 ... 3,5 bar (4 ... 50 psi),
0,1 ... 0,7 bar (1 ... 10 psi),
0,3 ... 10 bar (4 ... 145 psi)

Element:
5 or 40 µm
Flow:
see below
Port sizes:
G1/8 or G1/4
Rc1/8 (Gauge)
Bowl:
31 ml

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
Bowl: Plastic or zinc alloy
Filter element: Sintered PE
Seals: NBR

Technical data, standard models with relieving

Symbol	Port size	Pressure range (bar)	Element (µm)	Flow *1) (dm^3/s)	Drain	Bowl	Weight (kg)	Model
	G1/8	0,3 ... 7	40	6,2	Manual	Plastic	0,26	B07-101-M3KG
	G1/4	0,3 ... 7	40	6,5	Manual	Plastic	0,26	B07-201-M3KG
	G1/8	0,3 ... 7	40	6,2	Automatic	Plastic	0,26	B07-101-A3KG
	G1/4	0,3 ... 7	40	6,5	Automatic	Plastic	0,26	B07-201-A3KG

*1) Flow at inlet pressure 10 bar (145 psi), outlet pressure 6,3 bar (91 psi) and pressure drop 1 bar (14 psi)

Option selector

B07-★★★-★★★★

Port size	Substitute
1/8“	**1**
1/4”	**2**

Bowl/Option	Substitute
Plastic/relieving	**01**
Plastic/non-relieving	**03**
Metal/relieving	**33**
Metal/non-relieving	**35**
Metal/relieving	**05 *2)**
Metal/non-relieving	**07 *2)**

Thread	Substitute
PTF	**A**
ISO G	**G**

Pressure range (bar) *1)	Substitute
0,1 ... 0,7	**A**
0,3 ... 3,5	**E**
0,3 ... 7	**K**
0,3 ... 10	**M *2)**

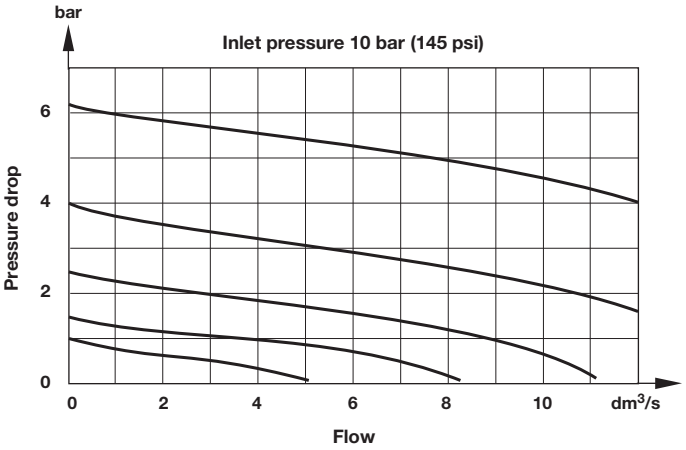
Element (µm)	Substitute
5	**1**
40	**3**

Drain	Substitute
Automatic	**A**
Manual	**M**

*1) Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

*2) When specifying 10 bar (145 psi) unit, eg. B07-205-A3MG, also note correct code at 5th, 6th and 9th digits.

Flow characteristics
Port size 1/4”, 40 µm Element, Pressure range 0,3 ... 7 bar



Accessories

Service kit

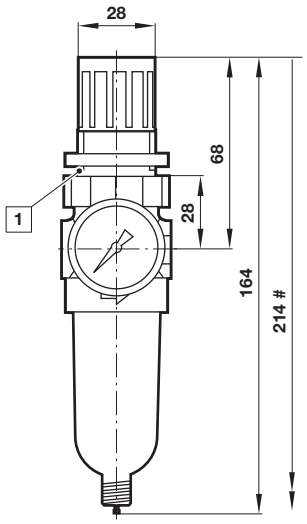
	Manual drain	Automatic drain
		
40 µm:	B07-KITM40R	B07-KITA40R
5 µm:	B07-KITM05R	B07-KITA05R

Wall mounting bracket and panel nut	Panel nut	Tamper resistant field modification	Gauge ø 40 mm
			
1 & 4	4	3	6
18-025-003 (with plastic nut)	2962-04 (Metal)	18-001-092	18-015-990 (0 ... 4 bar)
18-025-004 (with metal nut)	2962-89 (Plastic)		18-015-989 (0 ... 10 bar)

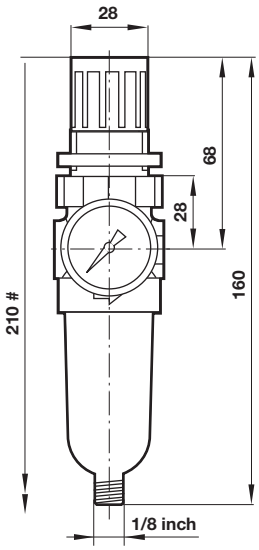
Dimensions

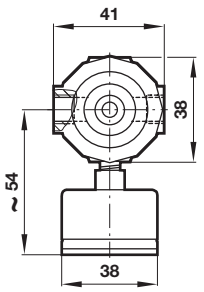
Dimensions in mm
Projection/First angle

Manual drain

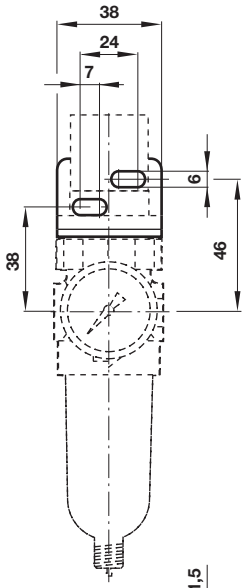


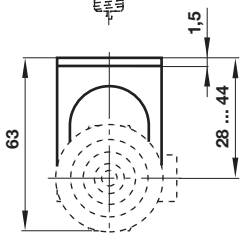
Automatic drain





Bracket mounting





Minimum clearance required to remove bowl
1 Panel mounting hole Ø 31 mm

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B38
Filter/regulator (stainless steel)

- **Port size: 3/8 ... 3/4 NPT**
- **Designed for use in corrosive environments**
- **Applications include marine environment, oil and gas production, chemical and food processing, medical analysis**
- **Relieving or non relieving models. Relieving models allow reduction of outlet pressure even when the system is dead-ended**

Technical features

Medium:
Compressed air only
Maximum inlet pressure:
31 bar (450 psig) (manual drain)
17 bar (247 psig) (autodrain)
Outlet pressure range:
0,04 ... 2 bar (0,5 ... 29 psig),
0,07 ... 4 bar (1 ... 58 psig),
0,3 ... 9 bar (4,4 ... 131 psig)
Element:
5 or 25 µm

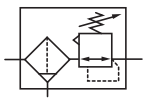
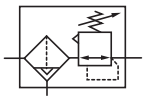
Port sizes:
3/8, 1/2 or 3/4 NPT
1/4 NPT (gauge)
1/8 NPT (relief)
1/4 NPT (automatic drain)
Drain:
Manual or automatic
Automatic drain operation conditions (float operated):
To close: > 0,3 bar,
To open: < 0,2 bar
Minimum air flow required to close 1 dm^3/s

Standard compliances:
II 2G Ex h IIC T6 Gb
II 2D Ex h IIIC T85° Db

Metallic parts meet NACE*
Standard MR-01-75
* National Association of Corrosion Engineers – recognised oil-field recommendation for resistance to sulphide stress cracking common in well-head and other corrosive environments

Ambient/Media temperature:
-40 ... +80°C (-40 ... +176 °F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+36 °F).
Materials:
Body, bowl, bonnet & adjusting screw: stainless steel SS316
Filter element: High density polyethylene
Elastomers: Synthetic rubber

Technical data, standard models, relieving and panel nut

Symbol	Port size	Outlet pressure (bar)	Element (µm)	Flow * (dm^3/s)	Drain	Weight (kg)	Model
	3/8 NPT	0,3 ... 9	5	50	Manual	1,9	B38-344-M1LA
	1/2 NPT	0,3 ... 9	5	50	Manual	1,9	B38-444-M1LA
	3/4 NPT	0,3 ... 9	5	50	Manual	1,9	B38-644-M1LA
	3/8 NPT	0,3 ... 9	5	50	Automatic	1,9	B38-344-A1LA
	1/2 NPT	0,3 ... 9	5	50	Automatic	1,9	B38-444-A1LA
	3/4 NPT	0,3 ... 9	5	50	Automatic	1,9	B38-644-A1LA

* Typical flow with 12 bar inlet pressure, 8 bar set pressure and a 1 bar drop from set.

Option selector

B38-★4★-★★★A

Port size	Substitute
3/8 NPT	3
1/2 NPT	4
3/4 NPT	6

Diaphragm & mounting	Substitute
Relieving with panel nut	4
Non-relieving with panel nut	5

Outlet pressure adjustment ranges (bar)*	Substitute
0,04 ... 2	C
0,07 ... 4	F
0,3 ... 9	L

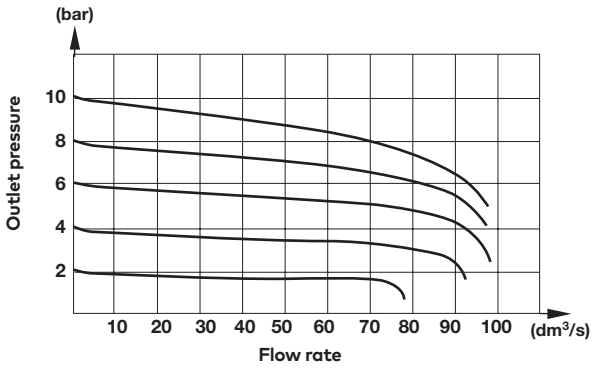
Element	Substitute
5 µm	1
25 µm	2

Drain	Substitute
Automatic	A
Manual	M

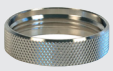
* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Flow characteristics

Inlet pressure: 12 bar, filter element: 25 µm, port size: 1/2 NPT



Accessories

Panel nut	Neck mounting bracket	Neck mounting bracket	Gauge *1)	Plastic adjusting knob
				
5988-02	5989-02	18-001-973 (includes panel nut)	18-015-913 (0 ... 6 bar, -40 ... 65°C)	74630-04
			18-015-909 (0 ... 10 bar, -40 ... 65°C)	

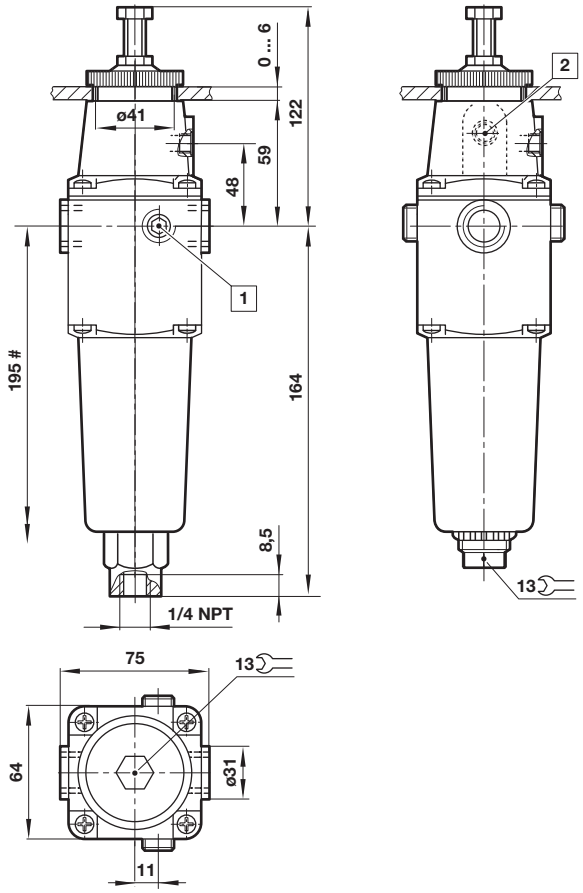
*1) Stainless steel items not strictly to NACE standard MR-01-75.

Sevice kits

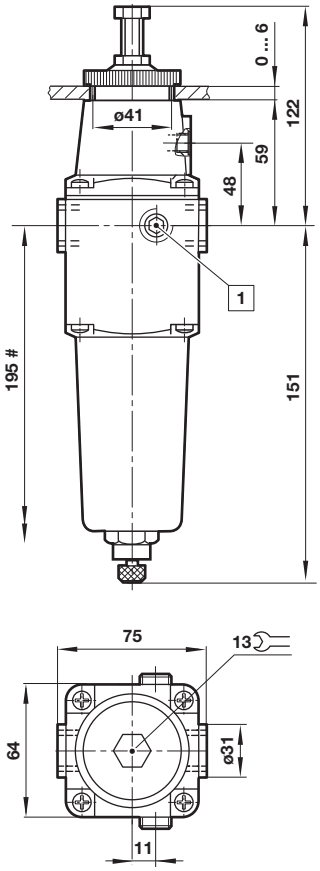
Filter element	Valve assembly and diaphragm	Drain kit
		
2787-43 (5 µm element)	2787-41 (relieving)	3000-87 (automatic)
2787-44 (25 µm element)	2787-42 (non-relieving)	

Dimensions

Automatic drain



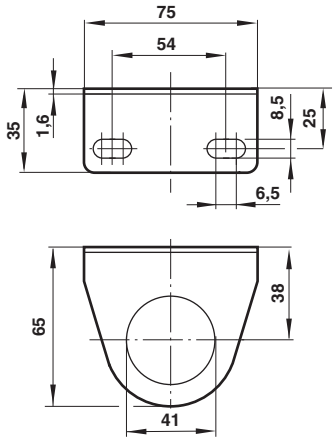
Manual drain



Dimensions in mm
Projection/First angle

Minimum clearance required to remove bowl
1 1/4 NPT Gauge port
2 1/8 NPT Relief port

Neck mounting bracket



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B52G, B54G
High flow filter/regulator (Stainless steel)

- **Port size: 1/4" ... 1" (NPT, ISO G)**
- **High flow filter/regulator designed for use in corrosive environment**
- **Applications include marine environment, oil and gas productions**
- **Metallic parts meet NACE* Standard MR-01-75**
  * National Association of Corrosion Engineers – recognised oil-field recommendation for resistance to sulphide stress cracking common in well-head and other corrosive environments
- **ATEX approved**

Technical features

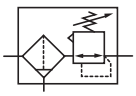
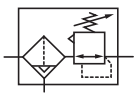
Medium:
Compressed air only
Maximum inlet pressure:
31 bar (449 psi) (manual drain)
17 bar (246 psi) (auto drain)
Outlet pressure range:
0,5 ... 10 bar (7 ... 145 psi)
Flow:
40 dm^3/s
(Port size: 1/4" and 3/8")
75 dm^3/s or 100 dm^3/s
(Port size: 1/2" and 1")
Element:
5, 25 or 40 µm

Port sizes:
1/4 NPT, 3/8 NPT, 1/2 NPT, 1 NPT
G1/4, G3/8, others on request
1/4 NPT (gauge) and
1/4 NPT (automatic drain)
Drain:
Manual or automatic
Automatic drain operation conditions (float operated):
To close: > 0,3 bar (4.35 psi)
To open: < 0,2 bar (2.9 psi)
Minimum air flow required to close 1 dm^3/s

Ambient/Media temperature:
FPM seals:
-20 ... +80°C (-4 ... +176 °F)
NBR seals:
-40 ... +80°C (-40 ... +176 °F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35 °F).

Materials:
Body, bowl, bonnet, filter element and adjusting screw:
316 stainless steel
Elastomers: FPM or NBR

Technical data, standard model

Symbol	Port size	Outlet pressure *1) (bar)	Element (µm)	Flow *2) (dm^3/s)	Drain	Weight (kg)	Model (with bracket install on unit)	Model (without bracket)
	1/4 NPT	0,5 ... 10	5	40	Manual	1,61	B52G-2AD-DG1-FMJ	B52G-2AD-DG1-FMK
	3/8 NPT	0,5 ... 10	5	40	Manual	1,60	B52G-3AD-DG1-FMJ	B52G-3AD-DG1-FMK
	1/2 NPT	0.5 ...7	40	100	Manual	2,21	B54G-4AD-DM3-RKJ	B54G-4AD-DM3-RKK
	1/2 NPT	0.5 ...10	40	75	Manual	2,21	B54G-4AD-DM3-RMJ	B54G-4AD-DM3-RMK
	1 NPT	0.5 ...7	40	100	Manual	2,04	B54G-8AD-DM3-RKJ	B54G-8AD-DM3-RKK
	1 NPT	0.5 ...10	40	75	Manual	2,04	B54G-8AD-DM3-RMJ	B54G-8AD-DM3-RMK
	1/4 NPT	0,5 ... 10	5	40	Automatic	1,74	B52G-2AD-AC1-FMJ	B52G-2AD-AC1-FMK
	3/8 NPT	0,5 ... 10	5	40	Automatic	1,73	B52G-3AD-AC1-FMJ	B52G-3AD-AC1-FMK
	1/2 NPT	0.5 ...7	40	100	Automatic	2,41	B54G-4AD-AC3-RKJ	B54G-4AD-AC3-RKK
	1/2 NPT	0.5 ...10	40	75	Automatic	2,41	B54G-4AD-AC3-RMJ	B54G-4AD-AC3-RMK
	1 NPT	0.5 ...7	40	100	Automatic	2,24	B54G-8AD-AC3-RKJ	B54G-8AD-AC3-RKK
	1 NPT	0.5 ...10	40	75	Automatic	2,24	B54G-8AD-AC3-RMJ	B54G-8AD-AC3-RMK

*1) Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

*2) Typical flow with 10 bar inlet pressure, 6,3 bar set pressure and a 1 bar drop from set.

Option selector

B5★G-★★D-★★★-★★★

Nominal unit size	Substitute
1/4"	2
1/2"	4

Port thread size	Substitute
1/4"	2
3/8"	3
1/2"	4
3/4"	6
1"	8

Port thread size *1)	Substitute
NPT	A
ISO G	V

Adjustment	Substitute
Hexagon	D

Drain Type	Substitute
Automatic, plastic	A
Manual, Stainless steel	D

Bracket	Substitute
With	J
Without *2)	K

Outlet pressure	Substitute
100 psi: 7 bar	K
150 psi: 10 bar	M

Temperature range	Substitute
-40 ... +80°C (NBR seals)	R
-20 ... +80°C (FPM seals)	F

Element	Substitute
5 µm	1
25 µm	2
40 µm	3

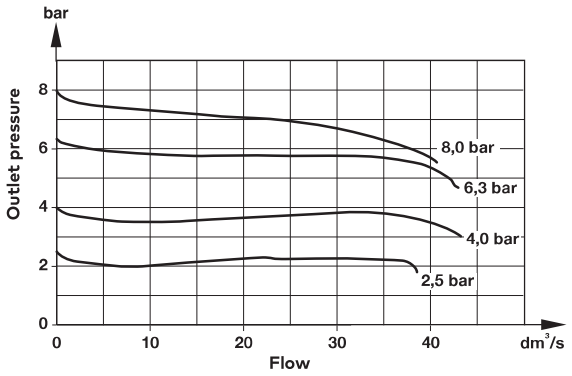
Bowl	Substitute
Metal long (for auto drain)	C
Metal standard (for B54G manual drain)	M
Metal short (for B52G manual drain)	G

*1) 1/2" & 1" NPT thread provided only Other versions: B54G-4AD-TC1-FMN & B54G-4AD-TC3-FMN automatic inner stainless steel thread filter regulator on request.

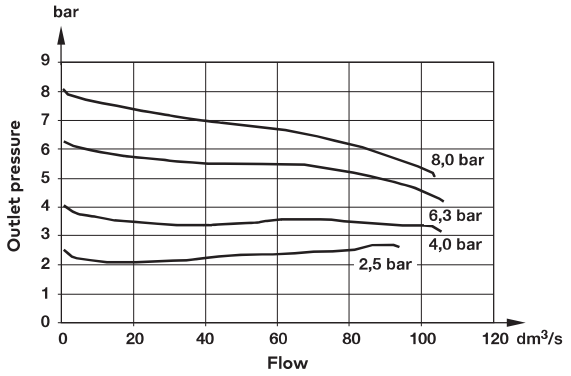
*2) Neck mounting feature is NOT available for this version. Bracket compatible with the new design can be purchased separately as accessory. Part number and dimensional drawing can be found in page 6.

Flow characteristics

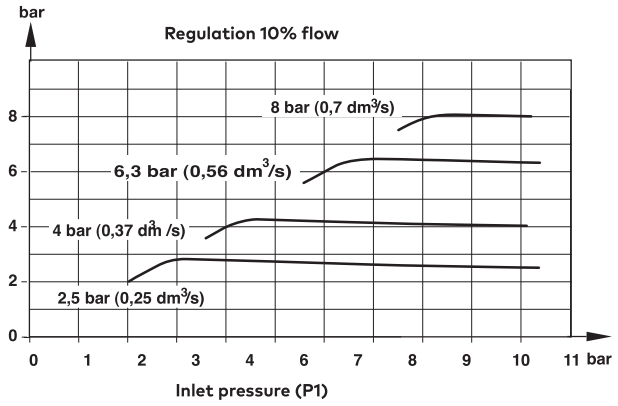
Inlet pressure: 10 bar, filter element: 5 µm, port size: 1/4 NPT

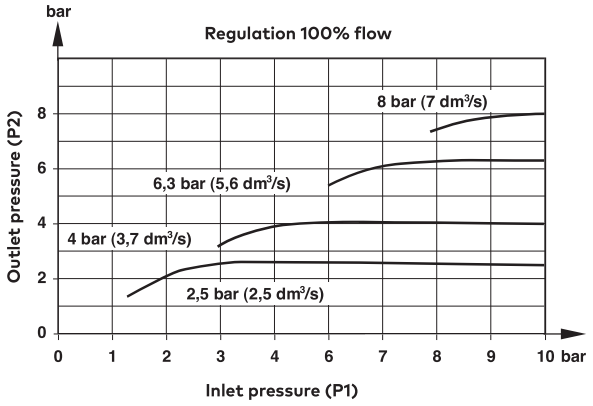


Inlet pressure: 10 bar, filter element: 40µm, port size: 1/2 NPT

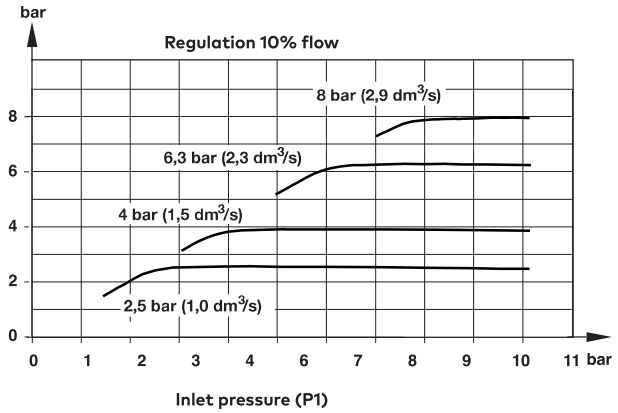


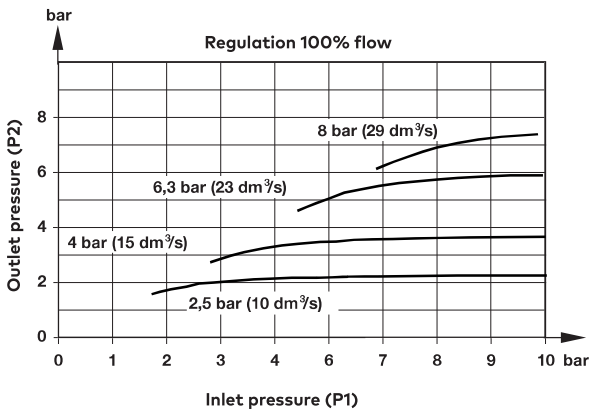
Regulating characteristics (1/4" version)





Regulating characteristics (1/2" version)





Accessories

Mounting bracket

A1923-201

Gauge *1)

18-015-913 (0 ... 6 bar, -40 ... 65°C)
18-015-909 (0 ... 10 bar, -40 ... 65°C)

*1) Stainless steel items not strictly to NACE standard MR-01-75.

Plastic adjusting knob

74630-04

Spare parts

Port size: 1/4" & 3/8"

A1923-S01 (manual drain, FPM)
A1923-S02 (auto drain, FPM)
A1923-S03 (manual drain, NBR)
A1923-S04 (auto drain, NBR)

Port size: 1/2" & 1"

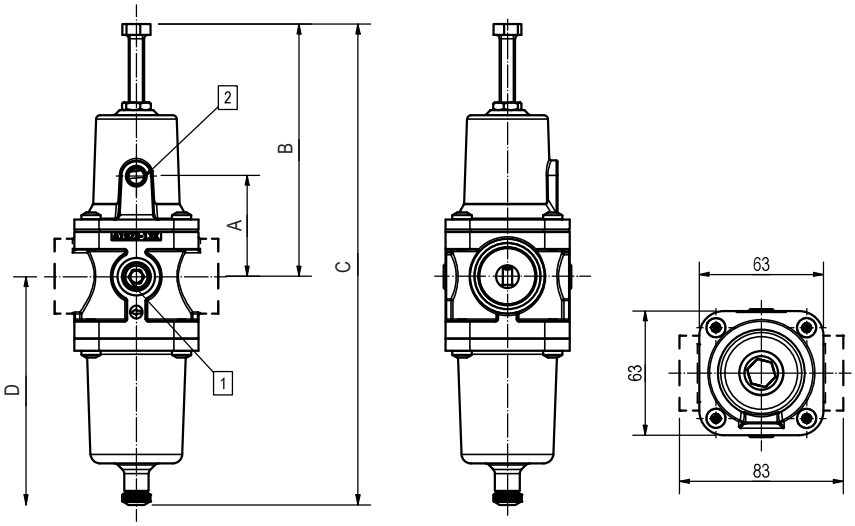
A1923-S05 (manual drain, FPM)
A1923-S06 (auto drain, FPM)
A1923-S07 (manual drain, NBR)
A1923-S08 (auto drain, NBR)

Filter element

5 µm:	5984-01
25 µm:	A080874-02
40 µm:	A080874-03

Dimensions
Manual drain

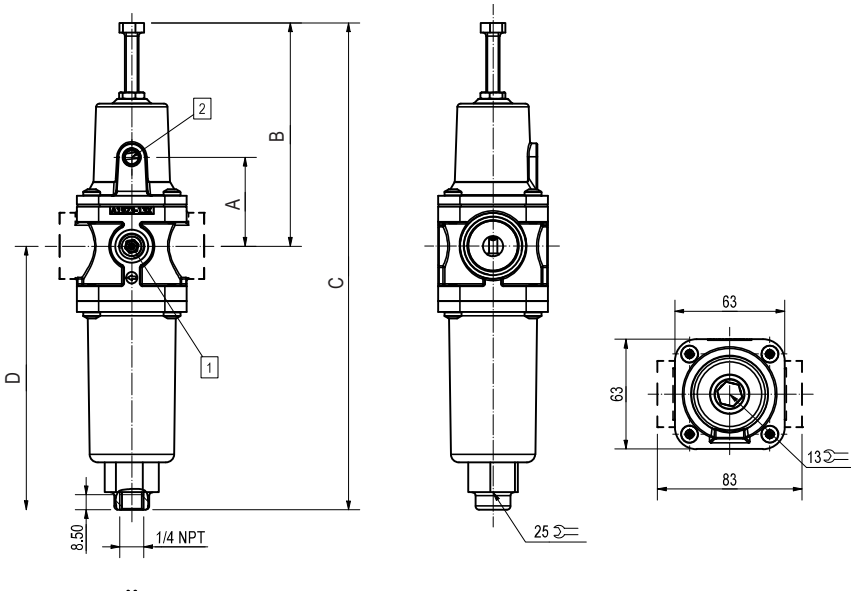
Dimensions in mm
Projection/First angle



Minimum clearance required to remove bowl
1 1/4 NPT Gauge port
2 1/8 NPT Exhaust port
Note: Dash line is for ½'' - 1'' only

Port size	Drain type	bracket	A (mm)	B (mm)	C (mm)	D (mm)
1/4	Manual	Without	48	117	200	113
3/8	Manual	Without	48	117	200	113
1/2	Manual	Without	52	125	226	153
1	Manual	Without	52	125	226	153

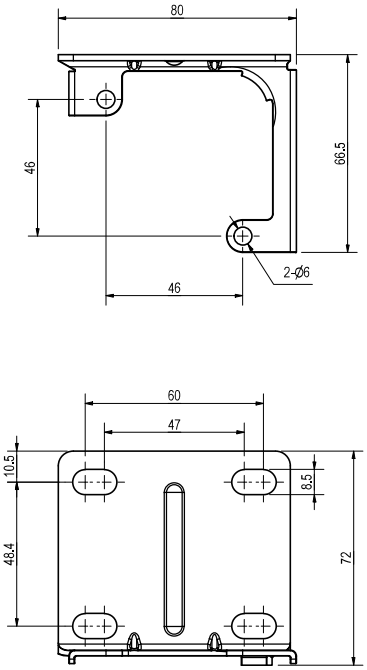
Auto drain



Minimum clearance required to remove bowl
1 1/4 NPT Gauge port
2 1/8 NPT Exhaust port
Note: Dash line is for ½'' - 1'' only

Port size	Drain type	bracket	A (mm)	B (mm)	C (mm)	D (mm)
1/4	Auto	Without	48	117	251	172
3/8	Auto	Without	48	117	251	172
1/2	Auto	Without	52	125	278	190
1	Auto	Without	52	125	278	190

Bracket



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NORGREN

Please be aware that this document is a translation of the original document which was written in English, and is provided for your convenience/for informational purposes only. In the event of any discrepancy, ambiguity, or conflict between the original English language version and this translation, the English language version of the document shall prevail.

B68G - Olympian Plus plug-in system Filter/regulator

- **Port size: 3/4" ... 1 1/2" (ISO G/PTF)**
- **High efficiency water removal**
- **Diaphragm and balanced valve design ensure good regulation characteristics**
- **Non-rising adjusting knob has snap-action lock**
- **Standard options include non-relieving models, manual drain and alternative pressure ranges**

Technical features

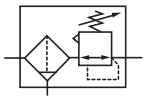
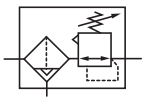
Medium:
Compressed air only
Maximum operating pressure:
17 bar (246 psi)
Pressure range:
Standard
0,4 ... 8 bar (5 ... 116 psi)
Optional
0,3 ... 4 bar (4 ... 58 psi),
0,7 ... 17 bar (10 ... 246 psi)
Flow:
240 dm^3/s; Port size: G1
Operating pressure: 6,3 bar (91 psi) Δp: 0,5 bar (7 psi)
Filter element: 40 µm

Filter element:
40 µm, optional 5 µm
Port sizes:
3/4", 1", 1 1/4" or 1 1/2"
Gauge port:
1/8 PTF with PTF main ports
Rc1/8 with ISO G main ports
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 dm^3/s (1.3 scfm)

Relieving:
With (standard)
Non-relieving (optional)
Bowl size:
0,5 litre (17 fluid oz standard);
1 litre (34 fluid oz optional)
Standard compliances:
Ⓔx II 2G Ex h IIC T6 Gb
II 2D Ex h IIIC T85° Db
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
Adjusting knob: Acetal resin
Elastomers: NBR

Technical data, standard models

Symbol	Port size	Size	Pressure range (bar)	Filter element (µm)	Drain	Weight (kg)	Model
	G3/4	–	0,4 ... 8	40	Manual	3,29	B68G-6GK-MR3-RLN
	G1	Basic	0,4 ... 8	40	Manual	3,29	B68G-8GK-MR3-RLN
	G1 1/4	–	0,4 ... 8	40	Manual	3,35	B68G-AGK-MR3-RLN
	G1 1/2	–	0,4 ... 8	40	Manual	3,35	B68G-BGK-MR3-RLN
	Without yoke	–	0,4 ... 8	40	Manual	2,30	B68G-NNK-MR3-RLN
	G3/4	–	0,4 ... 8	40	Automatic	3,29	B68G-6GK-AR3-RLN
	G1	Basic	0,4 ... 8	40	Automatic	3,29	B68G-8GK-AR3-RLN
	G1 1/4	–	0,4 ... 8	40	Automatic	3,35	B68G-AGK-AR3-RLN
	G1 1/2	–	0,4 ... 8	40	Automatic	3,35	B68G-BGK-AR3-RLN
	Without yoke	–	0,4 ... 8	40	Automatic	2,30	B68G-NNK-AR3-RLN

05/23
en 8.260.300.01

Option selector

B68★-★★★-★★★★-★★★

Version	Substitute
Long bowl (1 litre)	E
Standard bowl (0,5 litre)	G
Port size	**Substitute**
3/4"	6
1"	8
1 1/4"	A
1 1/2"	B
Without yoke	N
Threads form	**Substitute**
PTF or without yoke (N in 6th position), drain and gauge threads = PTF	A
ISO G parallel (standard)	G
Without yoke (N in 6th position), drain and gauge threads = ISO Rc	N
Adjustment	**Substitute**
Knob (standard)	K
T-bar (0,7 ... 17 bar (10 ... 246 psi))	T
Drain	**Substitute**
Automatic	A
Manual	M

Gauge	Substitute
With	G
Without (standard)	N
Pressure range (bar)*1)	**Substitute**
0,4 ...8 (standard)	L
0,3 ... 4	F
0,7 ... 17	S *2)
Diaphragm	**Substitute**
Relieving (standard)	R
Non-relieving	N
Filter element	**Substitute**
5 µm	1
40 µm (standard)	3
Bowl	**Substitute**
0,5 l with liquid level indicator	R
1 l with liquid level indicator	U *3)
0,5 l no liquid level indicator	M
1 l no liquid level indicator	C *3

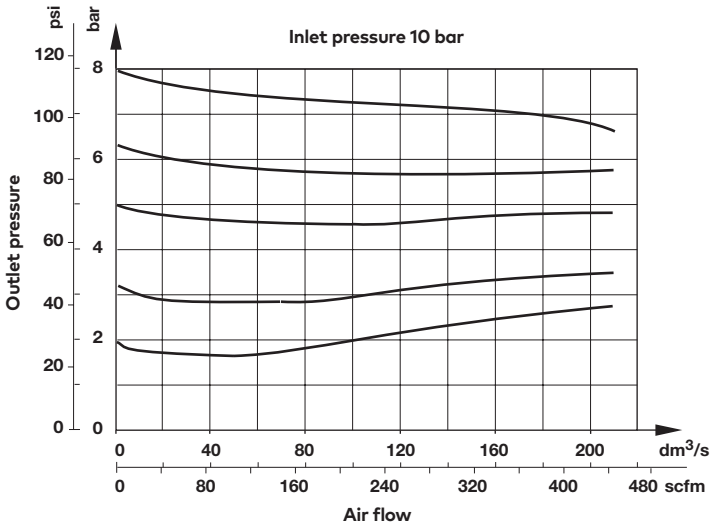
*1) Outlet pressure can be adjusted to pressures in excess of and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

*2) Units with 17 bar (246 psi) outlet pressure range are available only with the T-bar adjustment; therefore substitute T at the 7th digit and S at the 9th position.

*3) Units with 1 litre bowl are available only with 'E' version only; therefore substitute E at the 4th digit and U or C at the 9th position.

Flow characteristics

Port size 1", 40 µm element, Range 0,4 ... 8 bar



Accessories, service kit and gauges

Accessories

Thread	Single yoke  5	Double yoke  5	End connector kit  2	Single yoke non threads  5	3/2 Shut-off valve Threaded inlet only 	Threaded outlet only 	Bracket mounting  1
G3/4	Y68A-6GN-N1N	Y68A-6GN-N2N	5524-55	74785-98	T68H-6GB-B2N	T68H-6GC-B2N	18-001-979
G1	Y68A-8GN-N1N	Y68A-8GN-N2N	5524-52		T68H-8GB-B2N	T68H-8GC-B2N	18-001-979
G1 1/4	Y68A-AGN-N1N	Y68A-AGN-N2N	5523-52		T68H-AGB-B2N	T68H-AGC-B2N	18-001-978
G1 1/2	Y68A-BGN-N1N	Y68A-BGN-N2N	5523-93		T68H-BGB-B2N	T68H-BGC-B2N	18-001-972
3/4 PTF	Y68A-6AN-N1N	Y68A-6AN-N2N	5524-53		T68H-6AB-B2N	T68H-6AC-B2N	18-001-979
1 PTF	Y68A-8AN-N1N	Y68A-8AN-N2N	5524-50		T68H-8AB-B2N	T68H-8AC-B2N	18-001-979
1 1/4 PTF	Y68A-AAN-N1N	Y68A-AAN-N2N	5523-50		T68H-AAB-B2N	T68H-AAC-B2N	18-001-978
1 1/2 PTF	Y68A-BAN-N1N	Y68A-BAN-N2N	5523-95		T68H-BAB-B2N	T68H-BAC-B2N	18-001-972

Nut  4	Tamper resistant cap & seal wire  3	Porting block 	Padlock with two keys 
5520-89	4355-51	18-026-986 (G1/4 & G1/2)	0613633 (brass)

Service kit

	Manual drain 	Automatic drain 
5 µm	B68G-KITM05R	B68G-KITA05R
40 µm	B68G-KITM40R	B68G-KITA40R

Gauges

Center back connection, white face (full technical specification see datasheet 8.900.900)

6

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

Center back connection, black face for North America (full technical specification see datasheet 8.900.900)

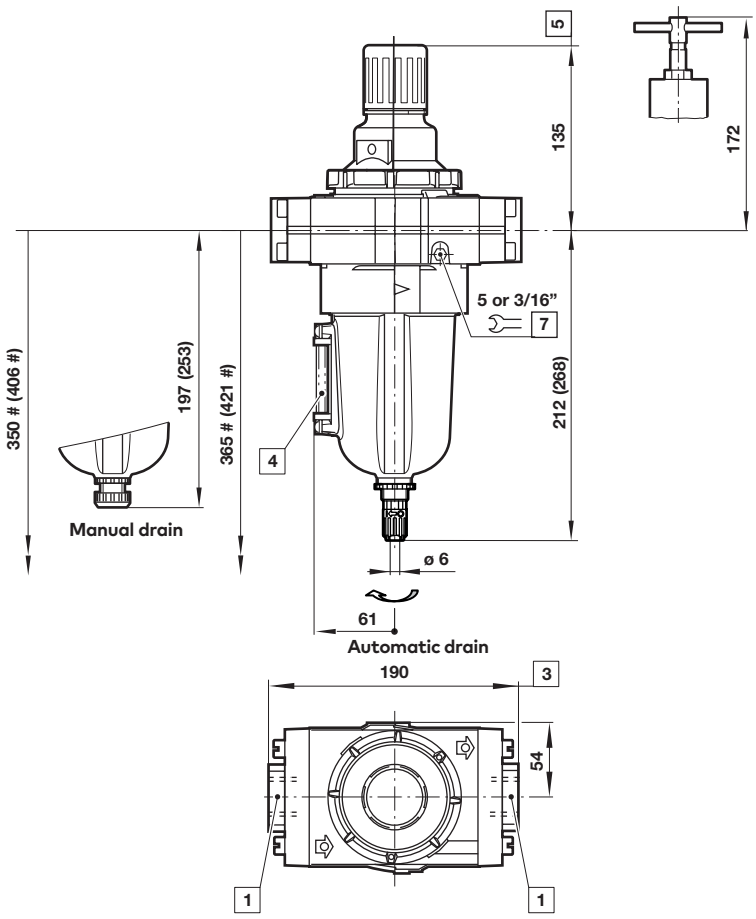
6

Pressure range psig *1	bar	MPa	Ø	Thread size	Model
0 ... 60	0 ... 4	0 ... 0.4	2" (50 mm)	1/8 NPT	18-015-202
0 ... 160	0 ... 11	0 ... 1.1	2" (50 mm)	1/8 NPT	18-015-204
0 ... 400	0 ... 28	0 ... 2.8	2" (50 mm)	1/8 NPT	18-015-206

*1) primary scale

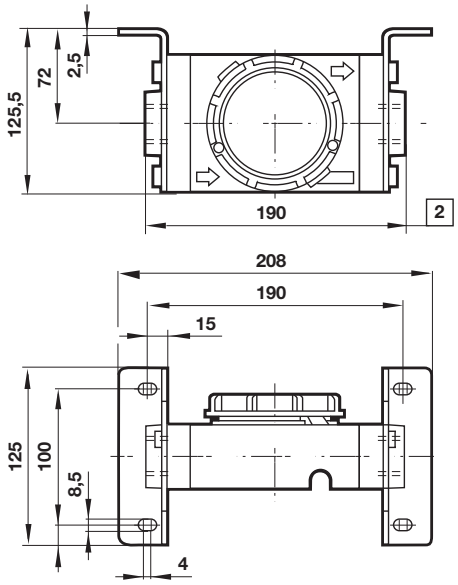
Dimensions

Dimensions in mm
Projection/First angle



Minimum clearance required to remove bowl
( ) values for 1 litre bowl
1 Main ports 3/4", 1", 1 1/4" or 1 1/2"
3 Plus 10 mm for ports 1 1/4" or 1 1/2"
4 Sight glass
5 Reduces by 4 mm with knob in locked position
7 Gauge port 1/8"

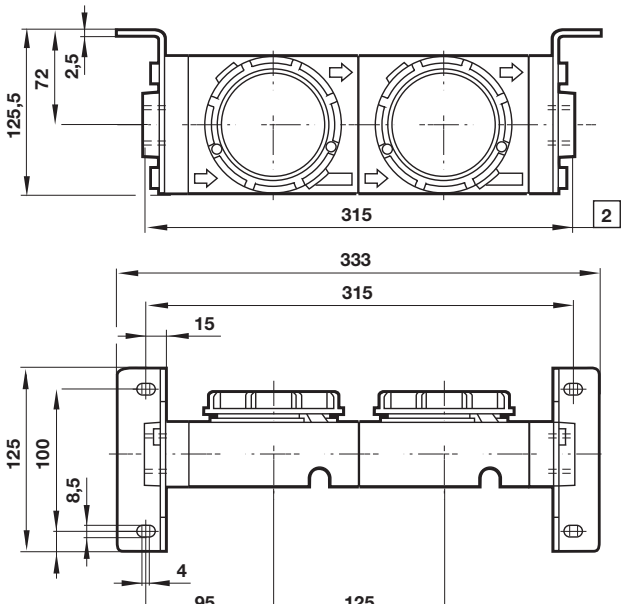
Single yoke with bracket



1 For 1 1/4" and 1 1/2" ported yokes add 10 mm

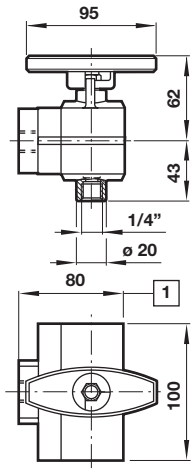
Double yoke with bracket

Dimensions in mm
Projection/First angle



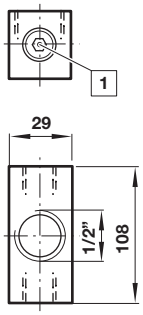
1 For 1 1/4" and 1 1/2" ported yokes add 10 mm

3/2 Shut-off valve



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

Porting block



1 Two additional plugged G1/4 ports

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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
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