

- > **Port size: 1/4" or 3/8" (ISO G/PTF)**
- > **Excelon design allows in-line installation or modular installation with other Excelon products**
- > **Quick release bayonet bowl**



Technical features

Medium:

Compressed air only

Maximum operating pressure:

Transparent bowls: 10 bar (150 psi)

Metal bowls: 17 bar (250 psi)

Metal bowls with automatic drain: 10 bar (150 psi)

Filter element:

40 or 5 µm

Port size:

G1/4, G3/8, 1/4" or 3/8" PTF

Flow:

28 dm³/s at port size: G1/4

Operating pressure: 6,3 bar (91 psi)

Δp: 0,5 bar (7.2 psi)

Filter element: 40 µm

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 (3 psi)

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

Manual operation: depress pin inside drain outlet to drain bowl

Semi automatic drain operating conditions (pressure operated):

Bowl pressure required to close drain: Greater than 0,1 bar (1.5 psi)

Bowl pressure required to open drain: Less than 0,1 bar (1.5 psig)

Minimum air flow required to close drain: 0,5 dm³/s (1 scfm)

Service life indicator:

Available on request

Ambient/Media temperature:

Transparent bowl:

-34 ... +50°C (-30 ... +125°F)

Metal bowl:

-34 ... +65°C (-30 ... +150°F)

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

Materials:

Body: die cast zinc

Bowl: transparent PC or die cast zinc or transparent with zinc bowl guard

Liquid level indicator lens (metal bowl): transparent PA

Filter element: sintered PP

Elastomers: CR & NBR

Technical data - standard models

Symbol	Port size	Size	Drain	Filter element (µm)	Bowl	Weight (kg)	(lbs)	Model
	G1/4	Basic	Manual	40	PC (transparent)	0,49	1.0	F72G-2GN-QT3
	G3/8	—	Manual	40	PC (transparent)	0,49	1.0	F72G-3GN-QT3
	G1/4	Basic	Manual	5	PC (transparent)	0,49	1.0	F72G-2GN-QT1
	G3/8	—	Manual	5	PC (transparent)	0,49	1.0	F72G-3GN-QT1
	G1/4	Basic	Automatic	40	PC (transparent)	0,49	1.0	F72G-2GN-AL3
	G3/8	—	Automatic	40	PC (transparent)	0,49	1.0	F72G-3GN-AL3
	G1/4	Basic	Automatic	5	PC (transparent)	0,49	1.0	F72G-2GN-AL1
	G3/8	—	Automatic	5	PC (transparent)	0,49	1.0	F72G-3GN-AL1

Option selector

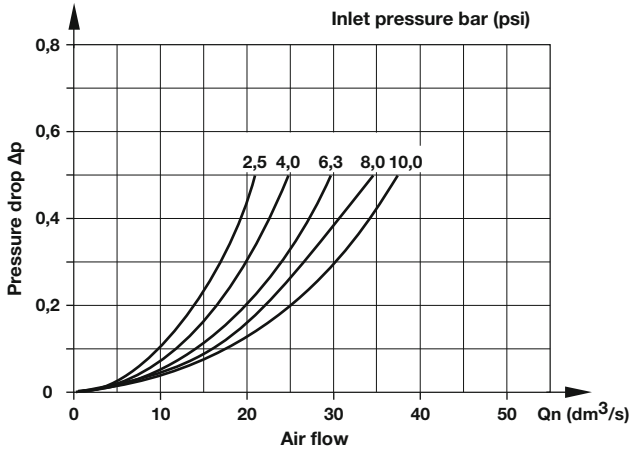
F72G-★-★-★-★-★

Port size	Substitute	Filter element	Substitute
1/4"	2	5 µm (Standard)	1
3/8"	3	40 µm (Standard)	3
Thread form	Substitute	Bowl *1)	Substitute
PTF	A	Metal with liquid level indicator	D
ISO G parallel	G	Metal (long) with liquid level indicator	E
Service life indicator	Substitute	Transparent	T
Without (Standard)	N	Transparent (long)	L
With	D	Transparent with guard (long)	W
Drain	Substitute		
Manual	Q		
Semi automatic	S		
Automatic	A *1)		

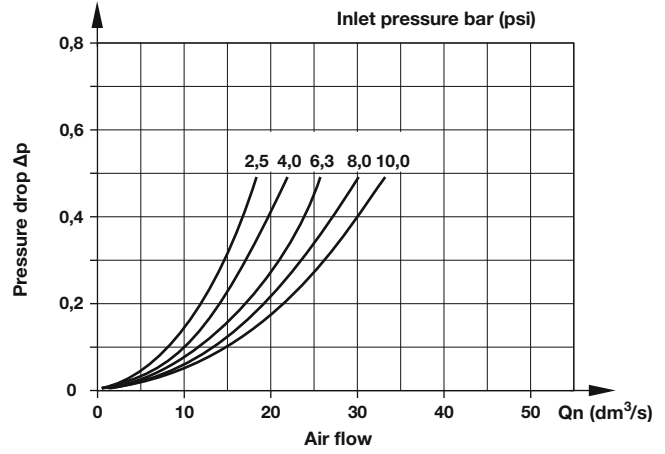
*1) Supplied with long bowl option only

Flow characteristics

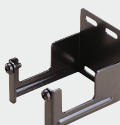






Element 40 µm
 Port size G1/4
 Δ p (bar)



Element 5 µm
 Port size G1/4
 Δ p (bar)






Accessories

Wall mounting bracket	Quikclamp®	Quikclamp with wall bracket®	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 3	Page 3	Page 3	Page 3	Page 3
4224-50	4214-51	4214-52	G1/4: 4215-08 G3/8: 4215-09 1/4 PTF: 4215-02 3/8 PTF: 4215-03	G1/4: 4216-52 1/4 PTF: 4216-50	G1/4: T72B-2GA-P1N G3/8: T72B-3GA-P1N 1/4 PTF: T72B-2AA-P1N 3/8 PTF: T72B-3AA-P1N	G1/4: T72T-2GA-P1N G3/8: T72T-3GA-P1N 1/4 PTF: T72T-2AA-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)	Padlock (brass) with two keys *1)
		
0523109000000000	0881300000000000	0613633000000000

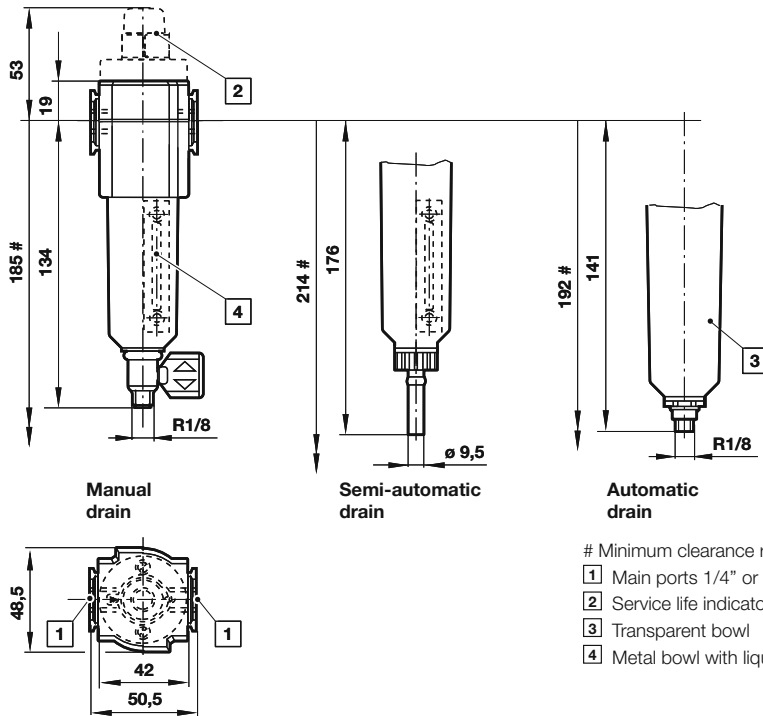
*1) for shut-off valves

Padlock

Service kits

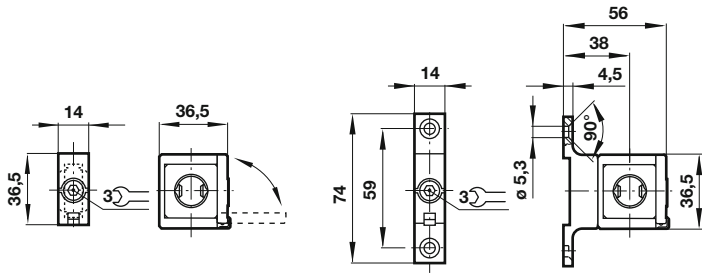
Manual drain	Automatic drain	Replacement element
		
F72G-KITM40 (40 µm) F72G-KITM05 (5 µm)	F72G-KITA40 (40 µm) F72G-KITA05 (5 µm)	5925-02 (40 µm) 5925-03 (5 µm)

Drawings

 Dimensions in mm
 Projection/First angle


Accessories
Quikclamp®

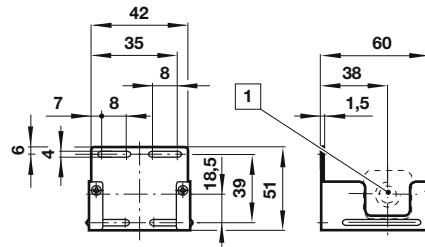
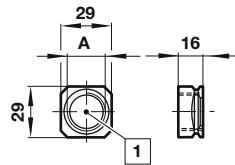
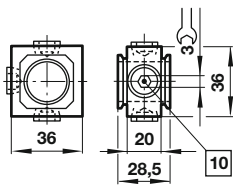
Quikclamp® with wall bracket



Porting block

Pipe adapter

Wall mounting bracket



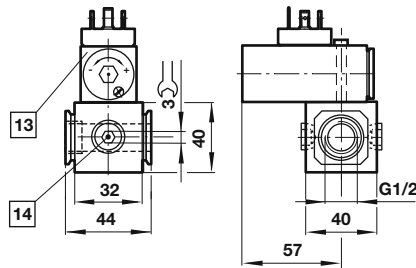
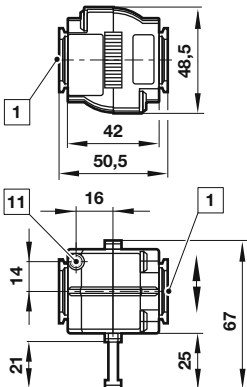
10 Ports 1/4" (ISO G/PTF) plugged

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

1 Main ports
(ISO G/PTF)

Shut-off valves

Porting block for pressure switch



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

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

11 Exhaust port M5 at 3/2 valve only

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.