- **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 dm^3/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 dm^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 psi)
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)

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
1/4”	2
3/8”	3
Thread form	**Substitute**
PTF	A
ISO G parallel	G
Service life indicator	**Substitute**
Without (Standard)	N
With	D
Drain	**Substitute**
Manual	Q
Semi automatic	S
Automatic	A *1)

Filter element	Substitute
5 µm (Standard)	1
40 µm (Standard)	3
Bowl *1)	**Substitute**
Metal with liquid level indicator	D
Metal (long) with liquid level indicator	E
Transparent	T
Transparent (long)	L
Transparent with guard (long)	W

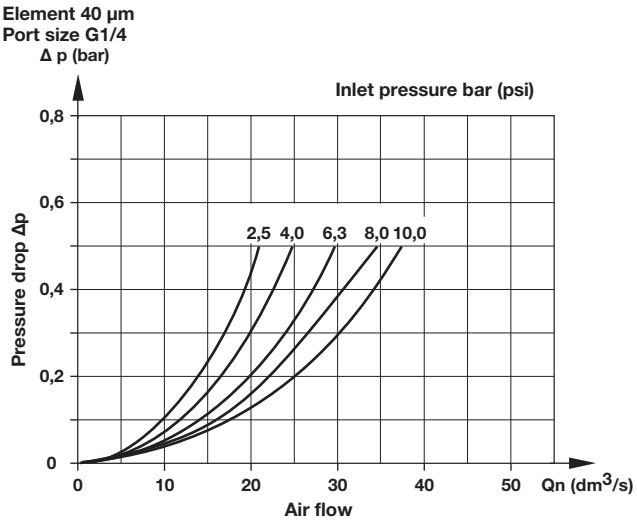
*1) Supplied with long bowl option only

IMI Precision Engineering

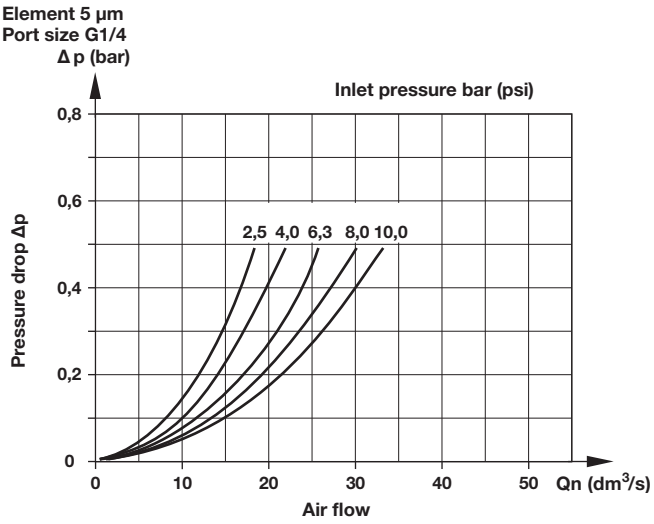
Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (1998 - 8028g) © 2015 Norgren Inc.

Flow characteristics

Element 40 µm
Port size G1/4



Element 5 µm
Port size G1/4



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	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

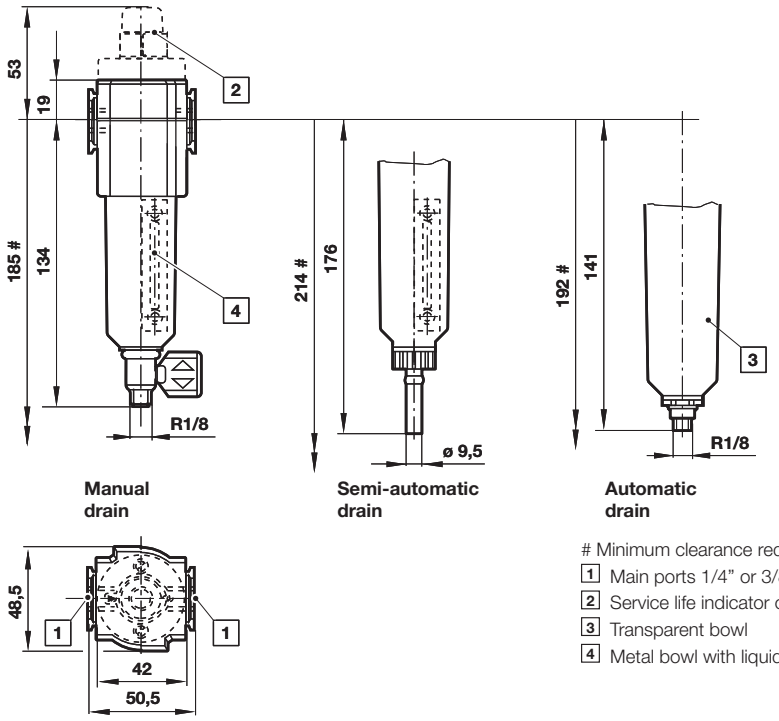
Service kits

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

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Drawings

Dimensions in mm
Projection/First angle



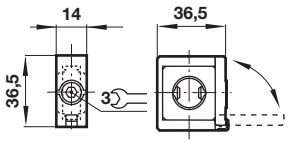
Manual drain | **Semi-automatic drain** | **Automatic drain**

Minimum clearance required to remove bowl
1 Main ports 1/4" or 3/8"
2 Service life indicator optional
3 Transparent bowl
4 Metal bowl with liquid level indicator lens

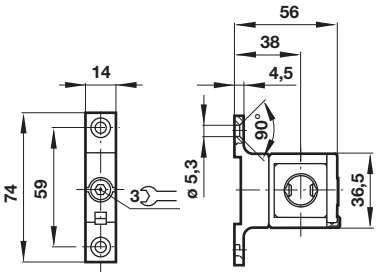
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Accessories

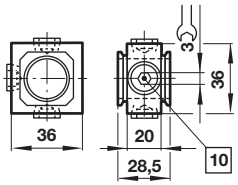
Quikclamp®



Quikclamp® with wall bracket

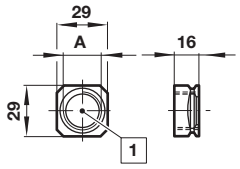


Porting block



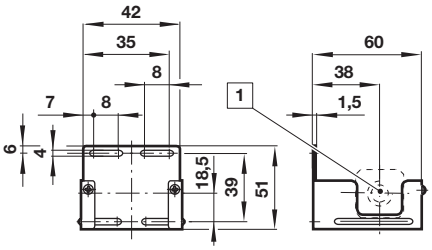
10 Ports 1/4" (ISO G/PTF) plugged

Pipe adapter



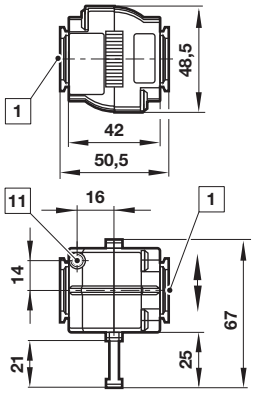
1 Main ports 3/8", 1/2" or 3/4" (ISO G/PTF)

Wall mounting bracket



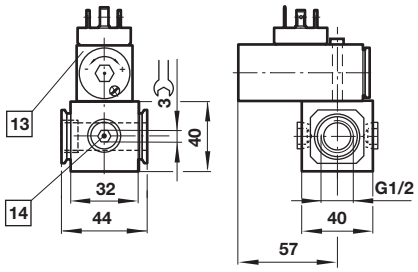
1 Main ports

Shut-off valves



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

Porting block for pressure switch



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

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult
IMI Precision Engineering, Norgren 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.

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