F72C - EXCELON® Modular System
Oil removal filters

- 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 oil and particle removal
- Quick release bayonet bowl
- Service indicator standard



Technical features

Medium:
Compressed air only

Maximum operating pressure:
Transparent bowl:
10 bar (145 psi)
Metal bowl:
17 bar (250 psi)
Metal and transparent bowl with automatic drain:
8 bar (116 psi)

Remaining oil content:
0,01 mg/m3 at +21°C (+69°F)

Particle removal:
To 0,01 µm

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

Flow:
4,5 dm3/s at port size: G1/4
Operating pressure: 6,3 bar (91 psi)

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 dm^3/s (0.2 scfm)
Manual operation: depress pin inside drain outlet to drain bowl

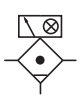
Semi automatic drain operating conditions (pressure operated):
Bowl pressure required to close drain: Greater than 0,1 bar (1.5 psig)
Bowl pressure required to open drain: Less than 0,1 bar (1.5 psig)
Minimum air flow required to close drain: 0,5 dm^3/s (1 scfm)

Ambient/Media temperature:
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).

Note:
Install an F72G filter with a 5 µm filter element upstream of the F72C filter for maximum service life.

Materials:
Body: Zinc
Transparent bowl: PC
Metal bowl: Zinc
Liquid level indicator lens (metal bowl): Transparent nylon
Element: Synthetic fibre & PU foam
Elastomers: CR & NBR
Service life indicator: Transparent PA body, Acetal internal parts, stainless steel spring, NBR elastomers

Technical data - standard models

Symbol	Port size	Size	Drain	Bowl	Weight (kg) (lbs)	Model
	G1/4	Basic	Manual	PC (transparent)	0,40	F72C-2GD-QT0
	G3/8	–	Manual	PC (transparent)	0,40	F72C-3GD-QT0
	G1/4	Basic	Automatic	PC (transparent)	0,40	F72C-2GD-AL0
	G3/8	–	Automatic	PC (transparent)	0,40	F72C-3GD-AL0

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Option selector

F72C-★★★-★★0

Port size	Substitute
1/4"	2
3/8"	3
Thread form	**Substitute**
PTF	A
ISO G parallel (standard)	G
Service life indicator	**Substitute**
With (visual, standard)	D
With (electrical)	E
Without	N
Drain	**Substitute**
Manual	Q
Semi automatic	S
Automatic*1)	A *1)

*1) Supplied with long bowl option only

Bowl *1)	Substitute
Metal (long) with liquid level indicator	E
Transparent	T
Transparent (long)	L
Transparent with guard	W
Metal with liquid level indicator	D

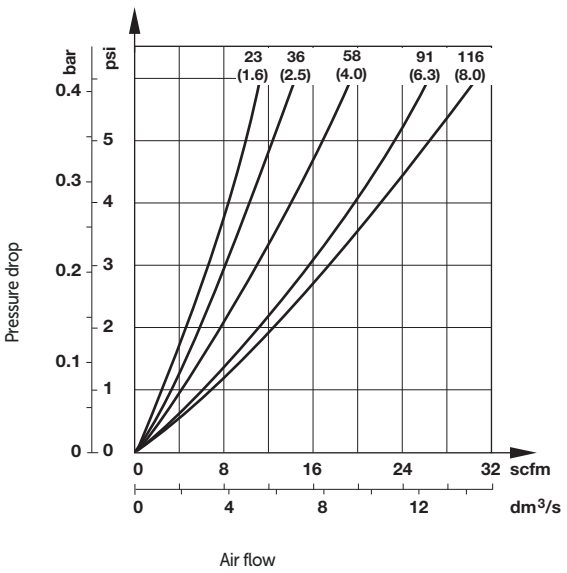
Typical performance characteristics

Inlet pressure (bar)	Maximum flow dm3/s*
1	1,8
3	3,1
5	4
6,3	4,5
7	4,7
9	5,4

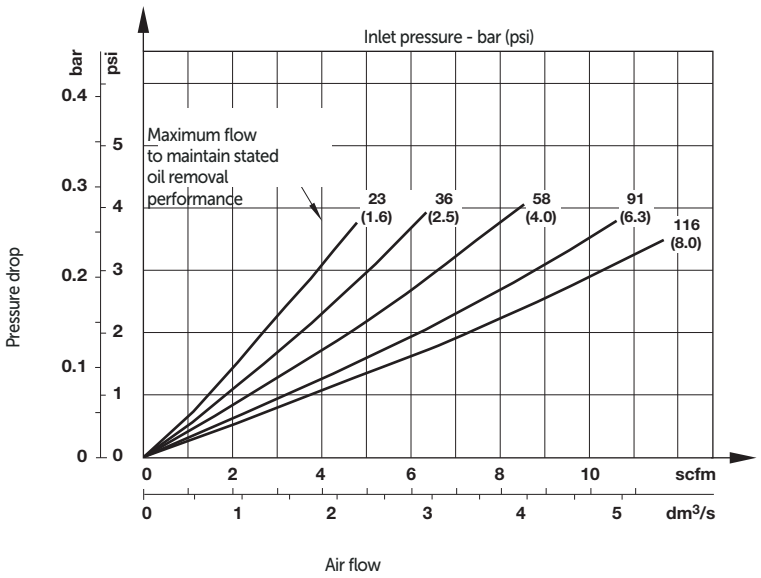
* Maximum flow to maintain stated oil removal performance

Flow characteristics

Port size: 1/4", dry element



Port size: 1/4", saturated element



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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

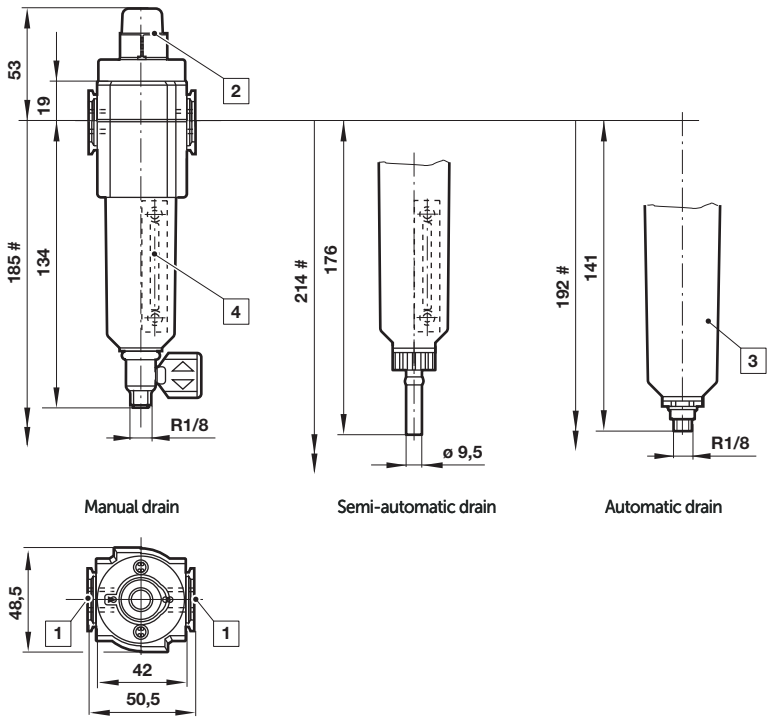
*1) for shut-off valves

Service kits

Automatic drain	Replacement element
	
F72C-KITA0C	5925-09

Drawings

Dimensions in mm
Projection/First angle



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

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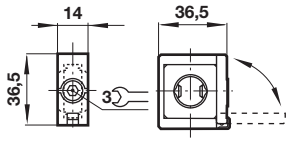
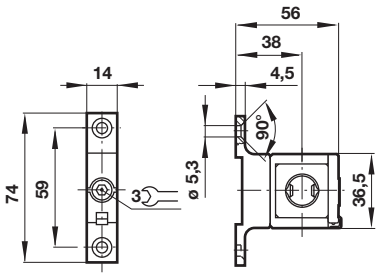
Accessories

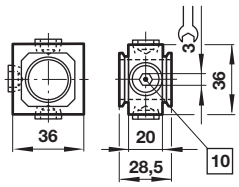
Quikclamp®



Quikclamp® with wall bracket

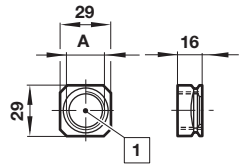


Porting block



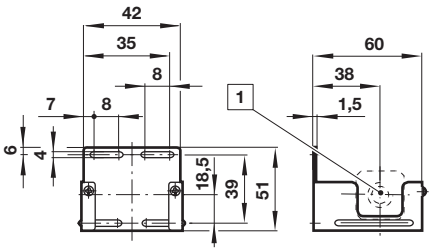
10 Ports (G1/4 or 1/4 NPT) plugged

Pipe adapter



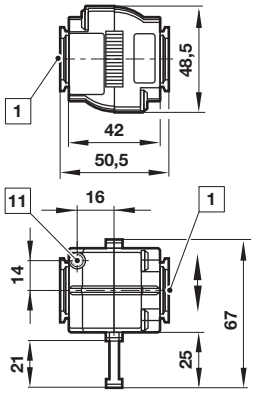
1 Main ports 1/4" or 3/8" ISO G/PTF

Wall mounting bracket



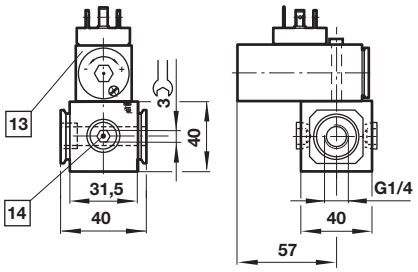
1 Main ports

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 Norgren.
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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