

- > Port size: 3/8" ... 3/4" (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 with guard:
10 bar (145 psi)
Metal bowls:
17 bar (250 psi)

Filter element:
5 µm & 40 µm

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

Flow:
83 dm³/s at port size: G1/2
Operating pressure: 6,3 bar (91 psi)
Δp: 0,5 bar (7.2 psi)
Filter element: 40 µm

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 (2 scfm)
Manual operation: depress pin inside drain outlet to drain bowl

Service life indicator:
Available on request

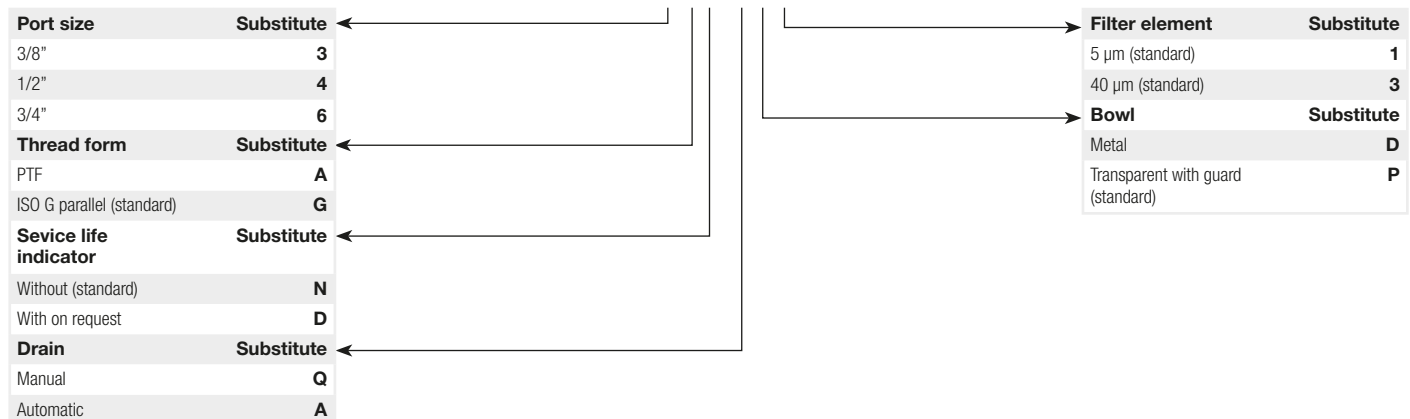
Ambient/Media temperature:
Transparent bowl:
-34° ... +50°C (-30° ... +122°F)
Metal bowl:
-34° ... +80°C (-30° ... +175°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: Die cast aluminium
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 - standard models

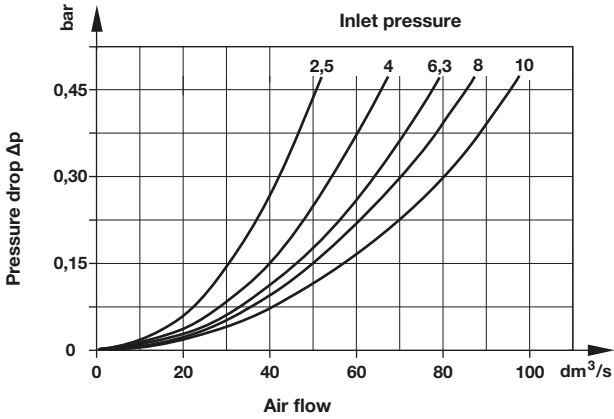
Symbol	Port size	Size	Drain	Filter element (µm)	Bowl with guard	Weight (kg)	Model
	G3/8	—	Manual	40	PC (transparent)	0,83	F74G-3GN-QP3
	G1/2	Basic	Manual	40	PC (transparent)	0,81	F74G-4GN-QP3
	G3/4	—	Manual	40	PC (transparent)	0,79	F74G-6GN-QP3
	G3/8	—	Manual	5	PC (transparent)	0,83	F74G-3GN-QP1
	G1/2	Basic	Manual	5	PC (transparent)	0,81	F74G-4GN-QP1
	G3/4	—	Manual	5	PC (transparent)	0,79	F74G-6GN-QP1
	G3/8	—	Automatic	40	PC (transparent)	0,83	F74G-3GN-AP3
	G1/2	Basic	Automatic	40	PC (transparent)	0,81	F74G-4GN-AP3
	G3/4	—	Automatic	40	PC (transparent)	0,79	F74G-6GN-AP3
	G3/8	—	Automatic	5	PC (transparent)	0,83	F74G-3GN-AP1
	G1/2	Basic	Automatic	5	PC (transparent)	0,81	F74G-4GN-AP1
	G3/4	—	Automatic	5	PC (transparent)	0,79	F74G-6GN-AP1

Option selector

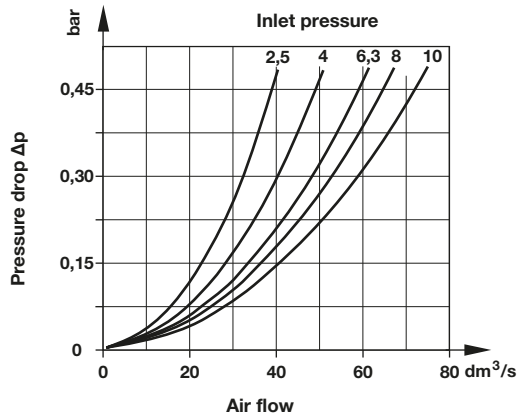


Flow characteristics

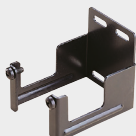






Element 40 µm
 Port size G1/2



Element 5 µm
 Port size G1/2



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 8.200.600)	3/2 Shut-off valves (for full technical specification see datasheet 8.200.600)
						
Page 3	Page 3	Page 3	Page 3	Page 3	Page 3	Page 3
4324-50	4314-51	4314-52	G3/8: 4315-10 G1/2: 4315-11 G3/4: 4315-12 3/8 PTF: 4315-02 1/2 PTF: 4315-03 3/4 PTF: 4315-04	G1/4: 4316-52 1/4 PTF: 4316-50	G 3/8: T74B-3GA-P1N G 1/2: T74B-4GA-P1N G 3/4: T74B-6GA-P1N	G 3/8: T74T-3GA-P1N G 1/2: T74T-4GA-P1N G 3/4: T74T-6GA-P1N 1/2 PTF: T74T-4AA-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



Page 4
 0523110000000000

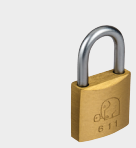
Pressure switch (0,5 ... 8 bar)



0881300000000000

Padlock

Padlock (brass) with two keys *1)



0613633000000000

*1) for shut-off valves

Service kits

Automatic drain



F74G-KITA40 (40 µm)
 F74G-KITA05 (5 µm)

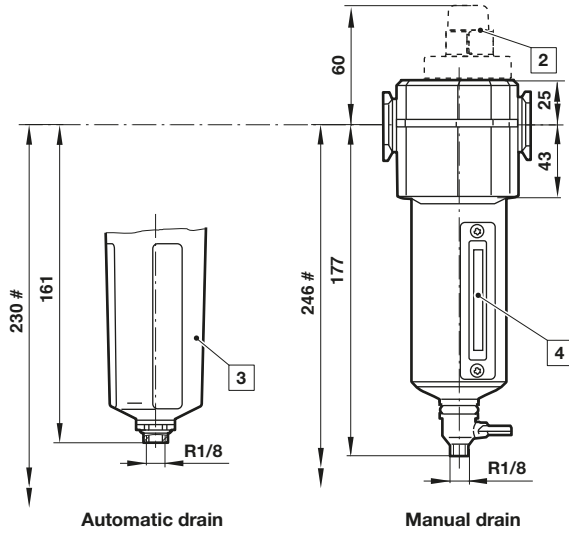
Replacement element



4338-05 (40 µm)
 4338-04 (5 µm)

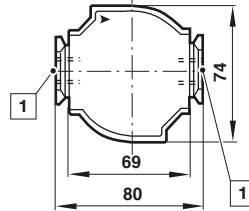
Drawings

Dimensions in mm
 Projection/First angle



Automatic drain

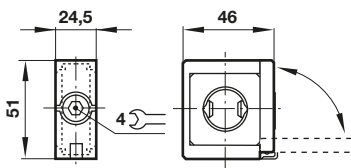
Manual drain



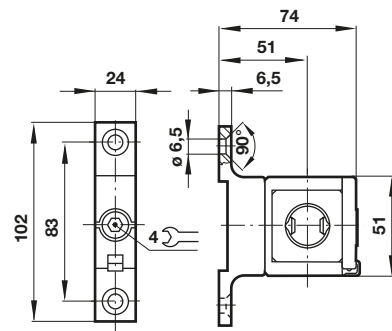
Minimum clearance required to remove bowl

- 1 Main ports 3/8", 1/2" or 3/4"
- 2 Service life indicator on request
- 3 Transparent bowl with guard
- 4 Metal bowl with liquid level indicator lens

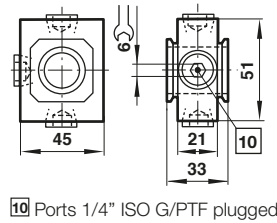
Accessories
Quikclamp®



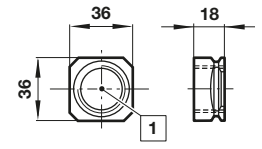
Quikclamp® with wall bracket



Porting block

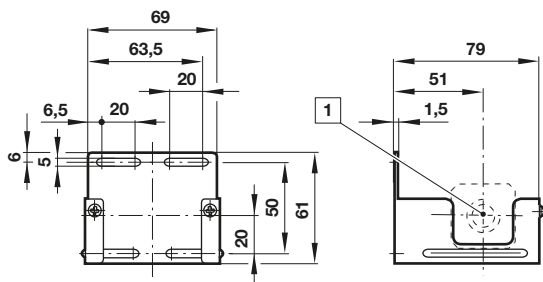


Pipe adapter



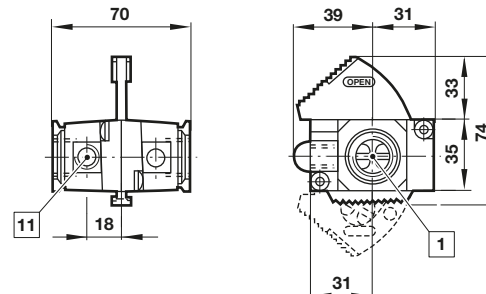
- 1 Main ports 3/8", 1/2" or 3/4" ISO G/PTF

Wall mounting bracket



- 1 Main ports

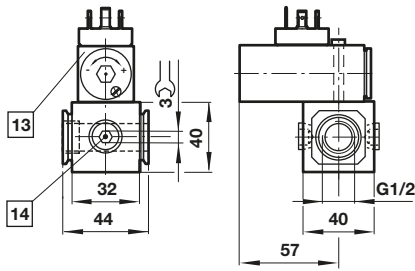
Shut-off valves



- 1 Main ports 3/8", 1/2" or 3/4" ISO G/PTF
- 11 Exhaust port 1/8"

Porting block for pressure switch

Dimensions in mm
Projection/First angle



- 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 GmbH.

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.