

**EXCELON 72  
General Purpose Filter  
1/4", 3/8" Port Sizes**

- **EXCELON design allows in-line installation or modular installation with other Excelon 72 products**
- **High efficiency water and particle removal**
- **Quick release bayonet bowl**
- **Highly visible, prismatic liquid level indicator lens on metal bowls**
- **Patented quarter turn manual drain**
- **Optional service life indicator turns from green to red when the filter element needs to be replaced**


**Technical Data**

Fluid: Compressed air

Maximum Pressure:

Transparent bowl: 10 bar

Metal bowl: 17 bar

Operating Temperature\*:

Transparent bowl: -20° to +50°C

Metal bowl: -20° to +65°C

\* Air supply must be dry enough to avoid ice formation at temperatures below 2°C.

Particle Removal: 5 µm or 40 µm. Within ISO 8573-1, Class 3 and Class 5.

Typical flow at 6,3 bar inlet pressure and 0,5 bar pressure drop:

5 µm element: 26 dm<sup>3</sup>/s

40 µm element: 28 dm<sup>3</sup>/s

Manual Drain Thread: 7/16" x 24 TPI (1/4" male O/D tube)

Semi Automatic Drain Connection: 8 mm ID tube

Semi automatic drain operating pressure: 0,1 bar

Drain closes when bowl pressure exceeds 0,1 bar and opens when bowl pressure drops below 0,1 bar. Can be operated manually by lifting the stem.

Materials:

Body: Zinc

Bowl:

Transparent: Polycarbonate

Metal: Zinc

Metal bowl liquid level indicator lens: Transparent nylon

Element: Sintered polypropylene

Elastomers: Neoprene and Nitrile

Optional service life indicator:

Body: Transparent nylon

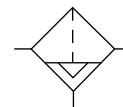
Internal parts: Acetal

Spring: Stainless steel

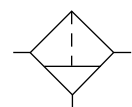
Elastomers: Nitrile

**Ordering Information**

See *Ordering Information* on following pages.

**ISO Symbols**


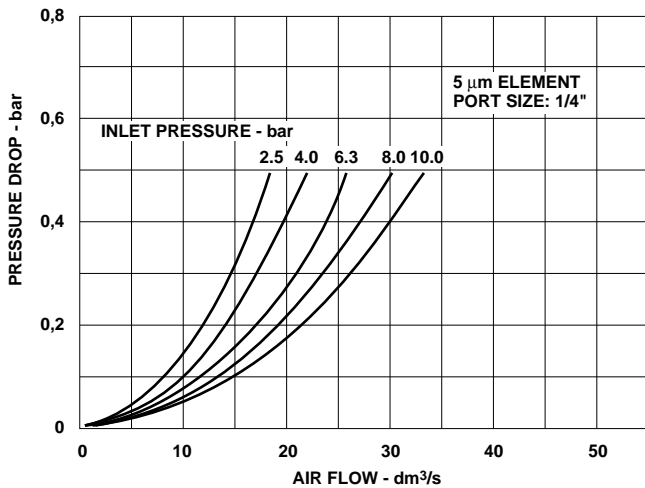
Semi Automatic Drain



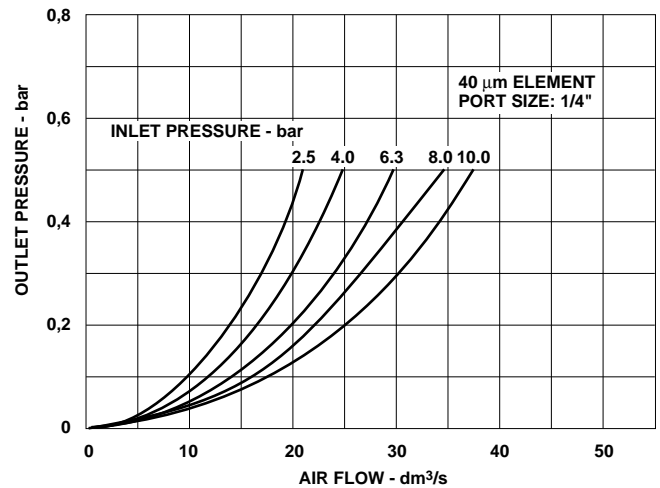
Manual Drain



FLOW CHARACTERISTICS



FLOW CHARACTERISTICS



**Ordering Information.** Models listed include BSP threads, semi automatic drain, transparent bowl without guard, 40 µm element. Models do not include the service life indicator.

Port Size	Model	Flow† dm³/s	Weight kg
G1/4	F72G-2GN-ST3	28	0,49
G3/8	F72G-3GN-ST3	28	0,49

† Typical flow with 6,3 bar inlet pressure, 0,5 bar pressure drop.

**Alternative Models**



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

Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

Service Life Indicator	Substitute
With	D
Without	N

Element	Substitute
5 µm	1
40 µm	3

Bowl	Substitute
Metal with liquid level indicator	D
Transparent without guard	T

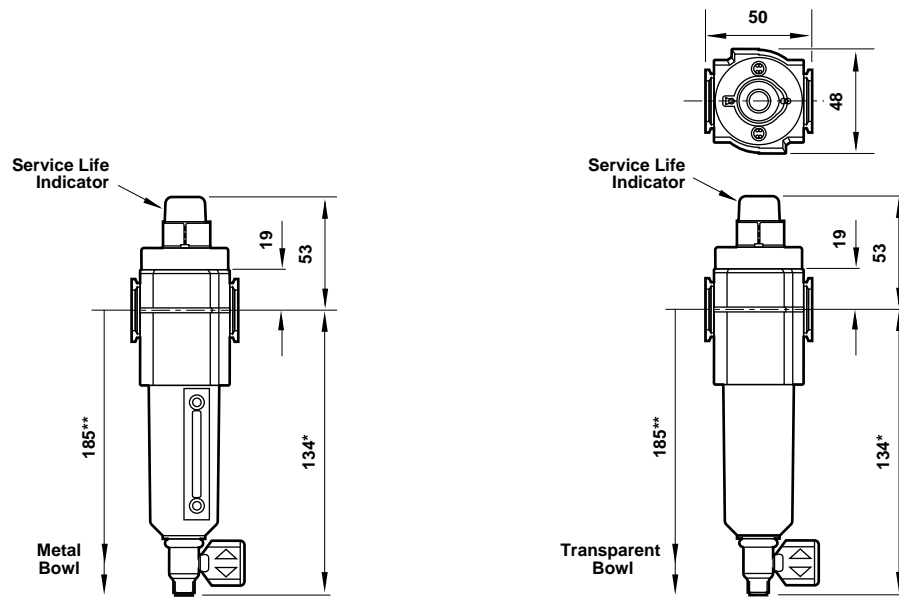
Drain	Substitute
1/4 turn manual	Q
Semi automatic	S

**Accessories**

Wall Mounting Bracket	Pipe Adaptors (Quantity of 1)	Quikclamp	Quikclamp and Quikclamp Wall Bracket
4224-50	Size PTF ISO Rc ISO G	4214-51	4214-52
	1/4 4215-02 4215-05 4215-08		
	3/8 4215-03 4215-06 4215-09		



## F72G General Purpose Filter

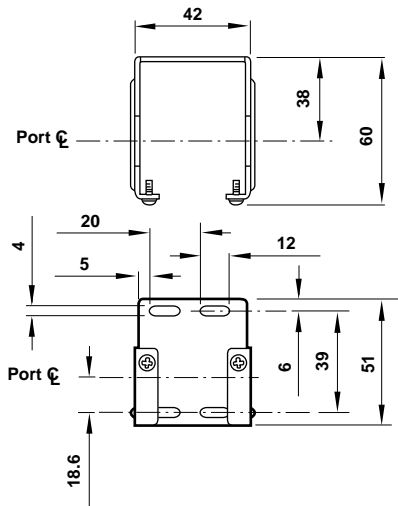


- \* 1/4 turn manual drain shown.  
Add 43 mm for semi automatic drain
- \*\* Minimum clearance required to remove bowl.  
Add 43 mm for semi automatic drain.

### Bracket Mounting

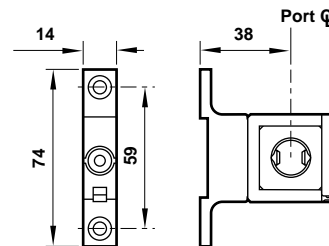
#### Mounting Bracket

Use 4 mm screws to mount bracket to wall.



#### Quikclamp and Quikclamp Wall Bracket

Use 5 mm (3/16") screws to mount bracket to wall



### Bracket Kit Reference

Item	Part Number
Wall Bracket	4224-50
Quikclamp and Quikclamp Wall Bracket	4214-52

### Service Kits

Item	Type	Part Number
Service kit	Seal and gasket	4380-500
Elements	5 µm	5925-03
	40 µm	5925-02
Service Life Indicator		5797-50
Liquid level lens kit	Prismatic	4380-030
Replacement drains	1/4 turn manual	619-50
	Semi automatic	5379-50

Service kit includes drain and bowl o-rings.



## 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 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.