

**Excelon® 72 Series Filter/Regulator
1/4" and 3/8" Port Sizes**

- EXCELON design allows in-line or modular installation
- High efficiency water and particle removal
- Quick release bayonet bowl
- Highly visible, prismatic liquid level indicator lens on metal bowls
- Full flow gauge ports
- Balanced valve design for optimum pressure control
- Push to lock adjusting knob with tamper resistant accessory
- Modular installations with EXCELON 72, 73, and 74 series can be made to suit particular applications



Ordering Information. Models listed include PTF threads, knob adjustment, automatic drain, transparent bowl without guard, 40 µm element, relieving diaphragm, 5 to 150 psig (0.3 to 10 bar) outlet pressure adjustment range*, with gauge.

Port Size	Model	Flow† scfm (dm³/s)	Weight lb (kg)
1/4"	B72G-2AK-AL3-RMG	80 (38)	1.3 (0.59)
3/8"	B72G-3AK-AL3-RMG	80 (38)	1.3 (0.59)

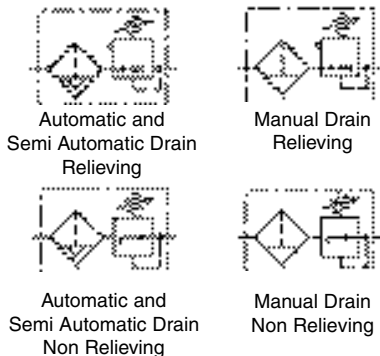
† Typical flow with 150 psig (10 bar) inlet pressure, 90 psig (6.3 bar) set pressure and a 15 psig (1 bar) droop from set.

Alternative Models

B 7 2 G - ★ ★ ★ - ★ ★ ★ - ★ ★ ★

Port Size	Substitute	Gauge	Substitute
1/4"	2	With	G
3/8"	3	Without	N
Threads	Substitute	Outlet Pressure Adjustment Range*	Substitute
PTF	A	5 to 30 psig (0.3 to 2 bar)	C
ISO Rc taper	B	5 to 60 psig (0.3 to 4 bar)	F
ISO G parallel	G	5 to 150 psig (0.3 to 10 bar)	M
		10 to 250 psig** (0.6 to 17 bar)	S
Adjustment	Substitute	Diaphragm	Substitute
Knob	K	Relieving	R
T-bar	T	Non relieving	N
		Element	Substitute
		5 µm	1
		25 µm	2
		40 µm	3
		Bowl	Substitute
		Long metal with liquid level indicator	E
		Long transparent without guard	L
		Long transparent with guard	W
		Drain	Substitute
		1/4 turn manual	Q
		Semi automatic	S
		Auto drain	A

* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

ISO Symbols


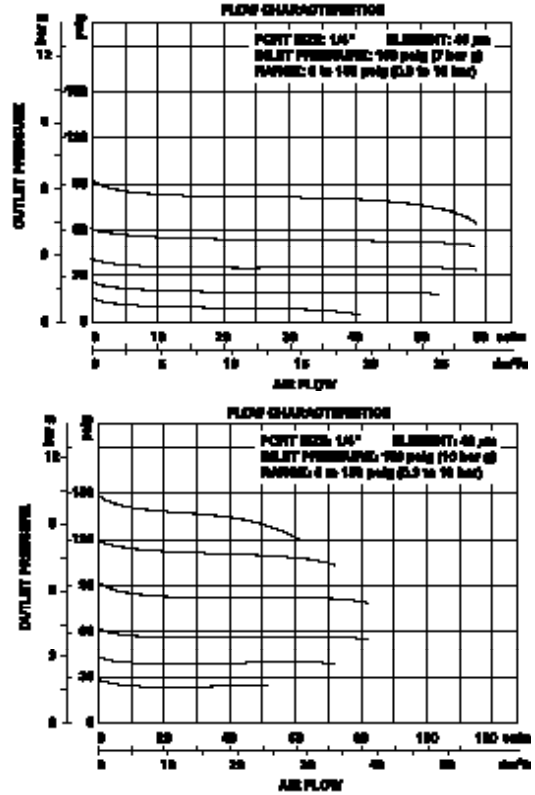
See Section ALE-24 for Accessories



Technical Data

Fluid: Compressed air
 Maximum pressure: Transparent bowl: 150 psig (10 bar)
 Metal bowl: Manual or semi automatic drain: 250 psig (17 bar)
 Automatic drain: 150 psig (10 bar)
 Operating temperature*: Transparent bowl: -30° to 125°F (-34° to 50°C)
 Metal bowl: -30° to 150°F (-34° to 65°C)
 * Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).
 Particle removal: 5 µm, 25 µm or 40 µm. Within ISO 8573-1, Class 3 and Class 5
 Typical flow at 150 psig (10 bar) inlet pressure, 90 psig (6.3 bar) set pressure and a drop of 1 bar (15 psig) from set: 80 scfm (38 dm³/s)
 Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread
 Semi automatic drain connection: Push on 5/16" (8 mm) ID tube
 Semi automatic drain operating conditions (pressure operated):
 Bowl pressure required to close drain: Greater than 1.5 psig (0.1 bar)
 Bowl pressure required to open drain: Less than 1.5 psig (0.1 bar)
 Minimum air flow required to close drain: 1 scfm (0.5 dm³/s)
 Manual operation: Lift stem to drain bowl
 Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread - Flexible tube with 3/16" (5mm) minimum I.D. can be connected to the automatic drain. Drain may fail to operate if the tube I.D. is less than 3/16" (5mm). Avoid restrictions in the tube.
 Automatic drain operating conditions (float operated):
 Bowl pressure required to close drain: Greater than 5 psig (0.3 bar)
 Bowl pressure required to open drain: Less than 3 psig (0.2 bar)
 Minimum air flow required to close drain: 0.2 scfm (0.1 dm³/s)
 Manual operation: Depress pin inside drain outlet to drain bowl
 Gauge ports: 1/8"PTF with PTF main ports
 1/8" ISO Rc with ISO Rc main ports
 1/8" ISO Rc with ISO G main ports
 Nominal bowl size: Bowl: 2.2 fluid ounce (65 ml)
 Materials
 Body: Zinc
 Bonnet: Acetal (Zinc on 250 psi model)
 Valve: Brass
 Bowl
 Transparent: Polycarbonate
 Guard for transparent bowl: Zinc
 Metal bowl liquid level indicator lens:
 Transparent nylon
 Element: Sintered polypropylene
 Elastomers: Neoprene and nitrile
 An automatic drain is a two-way valve, which will close when the system is pressurized. The drain opens when the float rises due to accumulated liquid and on depressurization.

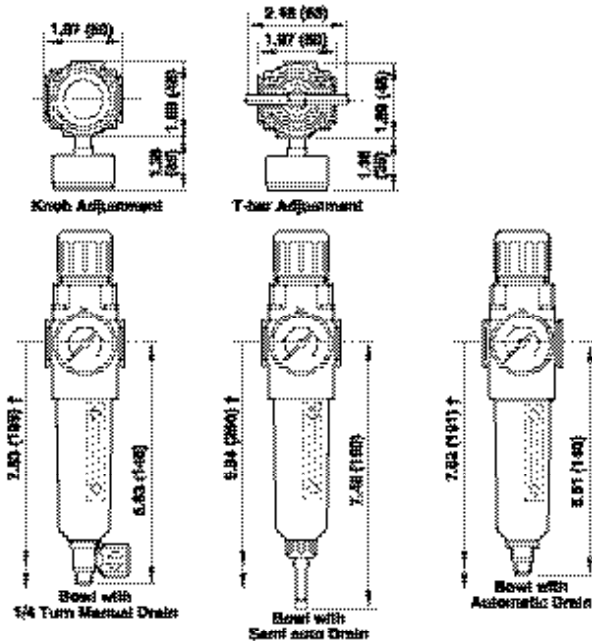
Typical Performance Characteristics



Service Kits

Item	Type	Part Number
Service kit	Relieving	4383-500
	Non relieving	4383-501
Replacement elements	5 µm	5925-03
	25 µm	5925-01
	40 µm	5925-02
Liquid level lens kit	Prismatic	4380-030
Replacement drains	1/4 turn manual	619-50
	Semi automatic	5379-RK
	Automatic	4000-50R

Service kit includes diaphragm assembly, valve assembly, valve spring, louvre o-ring, bowl o-ring, drain seal.



† Minimum clearance required to remove bowl.

All Dimensions in Inches (mm)

Panel mounting hole diameter 1.57" (40 mm)

Panel thickness: 0.16 (4 mm)