

Excelon® modular system B72G, B73G, B74G Filter/Regulators

- Excelon® design allows in-line installation or modular installation with other Excelon® products
- High efficiency water and particle removal
- Quick release bayonet bowl
- Push to lock adjusting knob with tamper resistant accessory
- Optional quarter turn manual drain



Technical data

Fluid:

Compressed air, neutral gases
NOTE: Contact technical support for use with other media.

Maximum pressure:

Transparent bowl: 150 psig (10 bar)
Metal bowl: 250 psig (17 bar)
B72G metal bowl w/ auto drain: 150 psig (10 bar)

Operating temperature*:

Transparent bowl:
-30° to 125°F (-34° to 50°C)

Metal bowl:

(72) -30° to 150°F (-34° to 66°C)
(73, 74) -30° to 175°F (-34° to 80°C)
* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

Materials

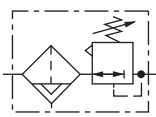
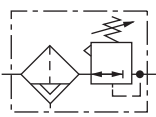
B72G
Body: zinc
Bonnet: acetal
(Zinc on 250 psi model)
Valve: Polypropylene and TPV
Transparent bowl: polycarbonate
Metal bowl: zinc
Liquid level indicator lens (metal bowl): transparent nylon
Element: sintered polypropylene
Elastomers: chloroprene & nitrile

B73G & B74G:

Body: aluminum
Bonnet: (73) Zinc, (74) aluminum
Transparent bowl: polycarbonate
Guarded transparent bowl: polycarbonate with aluminum
Metal bowl: aluminum
Liquid level indicator lens (metal bowl): transparent nylon (Pyrex optional)
Element: sintered polypropylene
Elastomers: chloroprene & nitrile
Valve: polypropylene and TPV

Ordering information

Models listed include PTF threads, knob adjustment, automatic drain, metal bowl with liquid level indicator, 40 µm element, relieving diaphragm, 5 to 150 psig (0.3 to 10 bar) outlet pressure adjustment range* with gauge.

ISO Symbols	Port size	Model	Flow† scfm (dm³/s)	Weight lb (kg)
 Automatic	1/4"	B72G-2AK-AE3-RMG	80 (38)	1.3 (0.59)
	3/8"	B73G-3AK-AD3-RMG	123 (58)	1.76 (0.82)
 Manual Drain Relieving	1/2"	B73G-4AK-AD3-RMG	123 (58)	1.76 (0.82)
	1/2"	B74G-4AK-AD3-RMG	212 (100)	2.59 (1.17)
	3/4"	B74G-6AK-AD3-RMG	212 (100)	2.55 (1.16)

*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.

† 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.

Option selector

B7★G-★ ★ ★ -★ ★ ★ -R★ ★

Series	Substitute	Gauge	Substitute
72	2	With	G
73	3	Without	N
74	4	Outlet pressure adjustment range*	Substitute
Port size	Substitute	5 to 60 psig (0.3 to 4 bar)	F
1/4" (72 & 73)	2	5 to 150 psig (0.3 to 10 bar)	M
3/8" (72, 73, 74)	3	10 to 250 psig (0.7 to 17 bar)**	S
1/2" (73 & 74)	4	Diaphragm	Substitute
3/4" (74)	6	Relieving	R
Threads	Substitute	Element	Substitute
PTF	A	5 µm	1
ISO G parallel	G	40 µm	3
Adjustment	Substitute	Bowl	Substitute
Knob	K	Metal w/ liquid level indicator (72*, 73, 74)	D
T-bar	T	Long metal w/ liquid level indicator (72)*	E
Drain	Substitute		
1/4 turn manual	Q		
Auto drain*	A		

*72 Series auto drain is available only with long bowl option.

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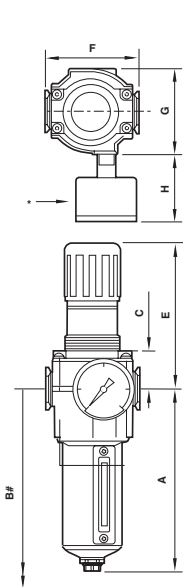
** 250 psig (17 bar) outlet pressure range units are available with t-handle adjustment only and standard metal bowl options.

Accessories

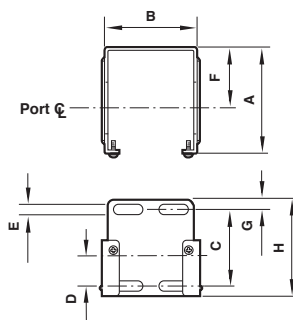
	Wall mounting bracket*	Neck mounting bracket	Gauge 0 ... 160 psig	Panel nut	Tamper resistant cover and seal wire	Pipe adapters (quantity of 1) (NPT)	Quikclamp® (quantity of 1)	Quikclamp® and wall bracket (quantity of 1)	Replacement elements
B72G	4224-50	74316-50	18-013-212	4248-89	4255-51	4215-02 (1/4) 4215-03 (3/8)	4214-51	4214-52	5925-03 (5µm) 5925-02 (40µm)
B73G	4424-50	4461-50	18-013-209	5191-88	4455-51	4315-01 (1/4) 4315-02 (3/8) 4315-03 (1/2) 4315-04 (3/4)	4314-51	4314-52	4438-01 (5µm) 4438-03 (40µm)
B74G	4324-50	4368-51	18-013-209	4348-89	4355-51	4315-02 (3/8) 4315-03 (1/2) 4315-04 (3/4)	4314-51	4314-52	4338-04 (5µm) 4338-05 (40µm)

*Bracket kit does not include wall mounting screws.

Mounting bracket



*Optional gauge.
Minimum clearance required to remove bowl.



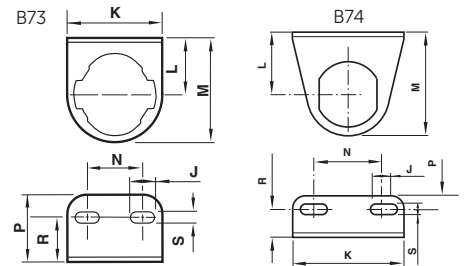
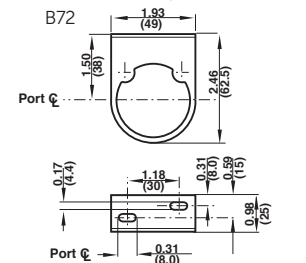
Series	A	B	C	D	E	F	G	H
72	2.36	1.65	1.54	0.73	0.16	1.50	0.24	2.01
73	2.64	2.36	1.89	0.75	0.28	1.50	0.24	2.40
74	3.11	2.72	1.97	0.79	0.20	2.01	0.24	2.40

Series	Drain type	A	B	C	E	F	G	H	Panel Ø	Panel depth
72	Auto	5.51	7.52	1.02	2.87	1.97	1.89	1.38	1.57	0 to .16
	Manual	5.83	7.83	1.02	2.87	1.97	1.89	1.38	1.57	0 to .16
73	Auto	5.80	8.15	1.22	3.78	2.68	2.44	2.20	1.89	.07 to .25
	Manual	6.15	8.50	1.22	3.78	2.68	2.44	2.20	1.89	.07 to .25
74	Auto	6.35	9.06	1.22	5.00	3.15	2.91	2.20	2.05	.07 to .25
	Manual	6.95	9.69	1.22	5.00	3.15	2.91	2.20	2.05	.07 to .25

Service kits

Item	Type	Part Number
72G	Relieving	4383-500
73G	Relieving	4383-600
74G	Relieving	4383-700

Neck mounting brackets



Series	J	K	L	M	N	P	R	S	T	V
72	0.31	1.93	1.50	2.50	1.18	0.94	-	0.17	0.31	0.59
73	0.67	2.52	1.50	2.76	1.50	1.50	0.98	0.28	-	-
74	0.94	3.50	2.05	3.39	2.20	1.38	0.91	0.28	-	-

Typical performance characteristics

