

NORGREN EXCELON® MODULAR FILTER/ REGULATORS

B72G Series

- In-Line or Modular Installation
- High Efficiency Water and Particle Removal
- 5 and 40 Micron Models
- Quick Release Bayonet Bowl
- Push to Lock Adjusting Knob
- Automatic or Manual Quarter Turn Drain

All models, shown smaller than actual size.



B72G-2AK-AE3-RMG



B73G-3AK-AD3-RMG



B74G-4AK-AD3-RMG

SPECIFICATIONS

Fluid: Compressed air

Maximum Pressure:

Transparent Bowl: 10 bar (150 psig)

Metal Bowl: 17 bar (250 psig)

B72G with Metal Bowl and Auto Drain: 10 bar (150 psig)

Operating Temperature*:

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

Metal Bowl: -34 to 80°C (-30 to 175°F)

B72G MATERIALS

Body: Zinc

Bonnet: Acetal

Valve: Brass

Transparent Bowl: Polycarbonate

Metal Bowl: Zinc

Liquid Level Indicator Lens

(Metal Bowl): Transparent nylon

Element: Sintered polypropylene

Elastomers: Neoprene and nitrile

B73G AND B74G MATERIALS

Body and Bonnet: Aluminum

Transparent Bowl: Polycarbonate

Guarded Transparent Bowl:

Polycarbonate with steel

Metal Bowl: Aluminum

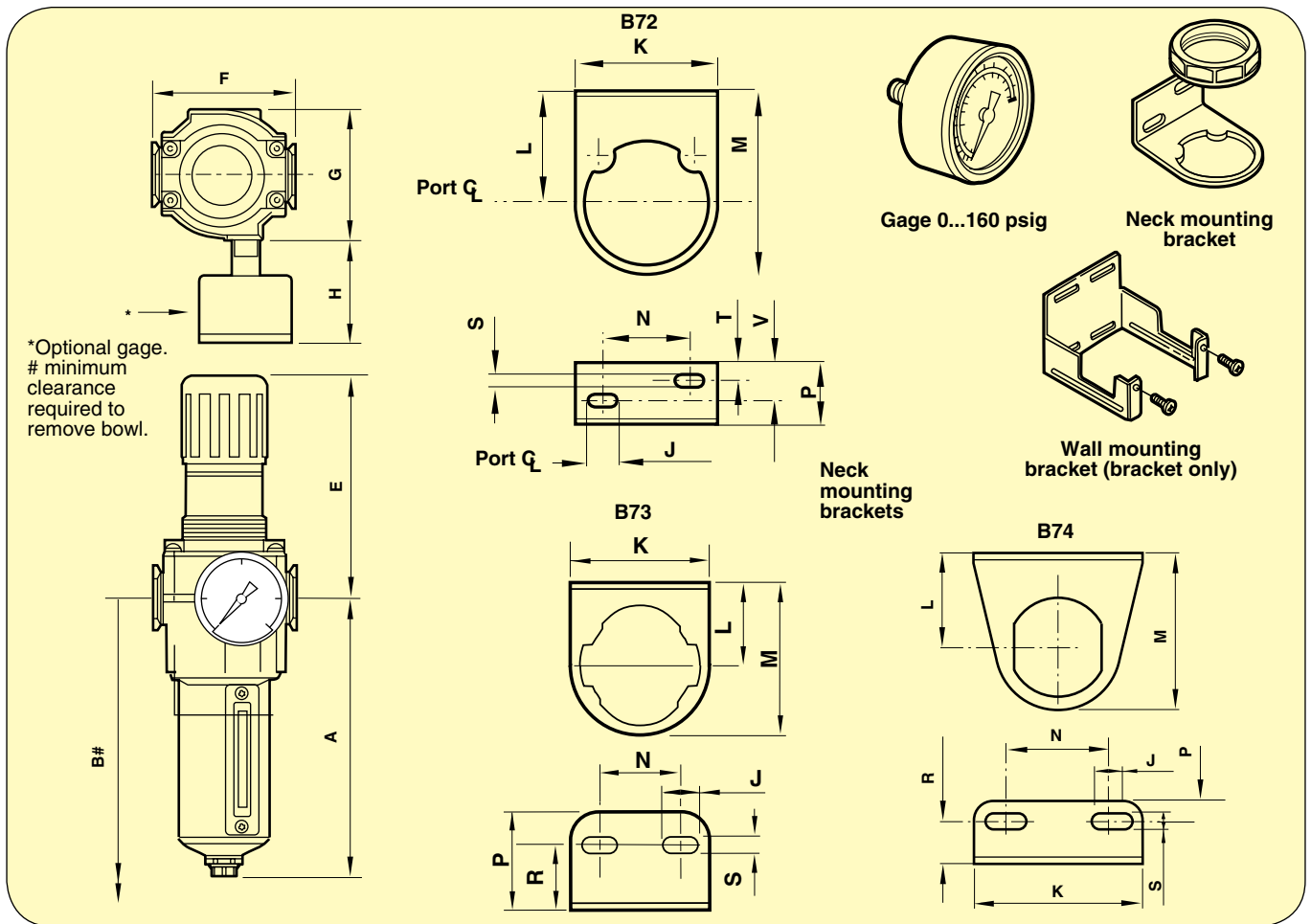
Liquid Level Indicator Lens

(Metal Bowl): Transparent nylon (Pyrex® optional)

Element: Sintered polypropylene

Elastomers: Neoprene and nitrile

* Air supply must be dry enough to avoid ice formation at temperatures below 2°C (35°F)



DIMENSIONS

STANDARD DIMENSIONS: FILTER/REGULATOR (inch)

SERIES	DRAIN TYPE	A	B	E	F	G	H	PANEL DIA	PANEL DEPTH
72	Semi auto	6.46	8.46	2.87	1.97	1.89	1.38	1.57	0 to 0.16
72	Auto	5.98	7.99	2.87	1.97	1.89	1.38	1.57	0 to 0.16
72	Manual	5.28	7.28	2.87	1.97	1.89	1.38	1.57	0 to 0.16
73	Auto	6.48	8.84	3.78	2.68	2.44	2.2	1.89	0.07 to 0.25
73	Manual	6.14	8.5	3.78	2.68	2.44	2.2	1.89	0.07 to 0.25
74	Auto	7.03	9.75	5	3.15	2.91	2.2	2.05	0.07 to 0.25
74	Manual	6.97	9.69	5	3.15	2.91	2.2	2.05	0.07 to 0.25

METRIC DIMENSIONS: FILTER/REGULATOR (mm)

72	Semi auto	164	215	73	50	48	35	40	0 to 4
72	Auto	152	203	73	50	48	35	40	0 to 4
72	Manual	134	185	73	50	48	35	40	0 to 4
73	Auto	165	225	96	68	62	56	48	1.8 to 6.4
73	Manual	156	216	96	68	62	56	48	1.8 to 6.4
74	Auto	179	248	127	80	74	56	52	1.8 to 6.4
74	Manual	177	246	127	80	74	56	52	1.8 to 6.4

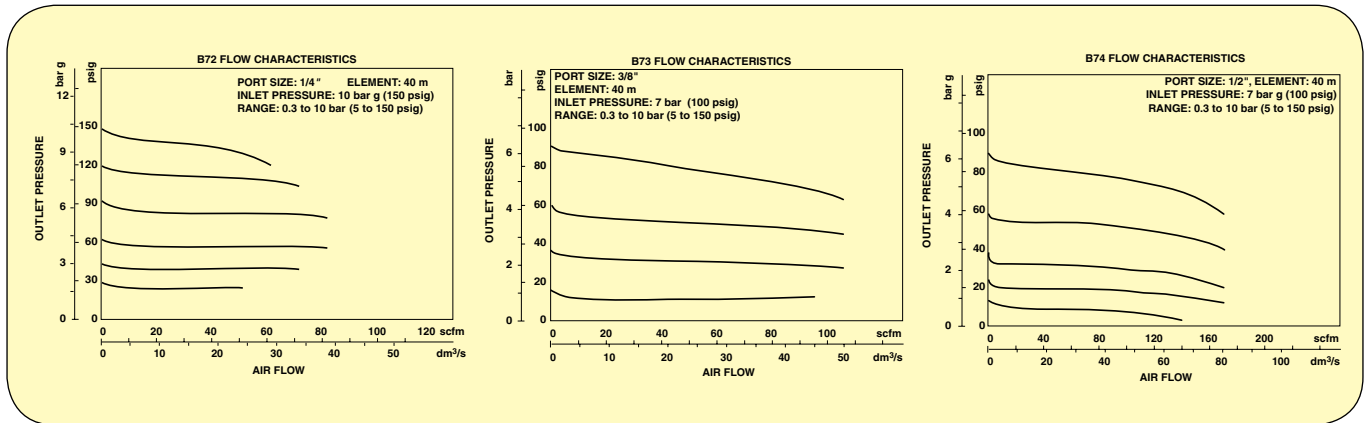
STANDARD DIMENSIONS: NECK MOUNTING BRACKETS (inch)

SERIES	J	K	L	M	N	P	R	S	T	V
72	0.31	1.93	1.5	2.5	1.18	0.94	—	0.17	0.31	0.59
73	0.67	2.52	1.5	2.76	1.5	1.5	0.98	0.28	—	—
74	0.94	3.5	2.05	3.39	2.2	1.38	0.91	0.28	—	—

METRIC DIMENSIONS: NECK MOUNTING BRACKETS (mm)

72	7.9	49.0	38.1	63.5	30.0	23.9	—	4.3	7.9	15.0
73	17.0	64.0	38.1	70.1	38.1	38.1	24.9	7.1	—	—
74	23.9	88.9	52.1	86.1	55.9	35.1	23.1	7.1	—	—

TYPICAL PERFORMANCE CHARACTERISTICS



To Order Visit omega.com/b72g for Pricing and Details

MODEL NO.	µm ELEMENT	FLOW SCFM† (DM³/S)	DRAIN	DESCRIPTION
B72G-2AK-AE1-RMG	5	80 (38)	Auto	Filter/regulator with 1/4 NPT ports
B72G-2AK-AE3-RMG	40	80 (38)	Auto	Filter/regulator with 1/4 NPT ports
B72G-2AK-QD1-RMG	5	80 (38)	Manual	Filter/regulator with 1/4 NPT ports
B72G-2AK-QD3-RMG	40	80 (38)	Manual	Filter/regulator with 1/4 NPT ports
B73G-3AK-AD1-RMG	5	123 (58)	Auto	Filter/regulator with 3/8 NPT ports
B73G-3AK-AD3-RMG	40	123 (58)	Auto	Filter/regulator with 3/8 NPT ports
B73G-3AK-QD1-RMG	5	123 (58)	Manual	Filter/regulator with 3/8 NPT ports
B73G-3AK-QD3-RMG	40	123 (58)	Manual	Filter/regulator with 3/8 NPT ports
B74G-4AK-AD1-RMG	5	212 (100)	Auto	Filter/regulator with 1/2 NPT ports
B74G-4AK-AD3-RMG	40	212 (100)	Auto	Filter/regulator with 1/2 NPT ports
B74G-4AK-QD1-RMG	5	212 (100)	Manual	Filter/regulator with 1/2 NPT ports
B74G-4AK-QD3-RMG	40	212 (100)	Manual	Filter/regulator with 1/2 NPT ports

ACCESSORIES

MODEL NO.	DESCRIPTION
OM-AIR-74316-50	Neck mounting bracket for B72G models
OM-AIR-4461-50	Neck mounting bracket for B73G models
OM-AIR-4368-51	Neck mounting bracket for B74G models
OM-AIR-4224-50	Wall mounting bracket for B72G models
OM-AIR-4424-50	Wall mounting bracket for B73G models
OM-AIR-4324-50	Wall mounting bracket for B74G models
OM-AIR-5925-02	40 µm replacement element for B72G models
OM-AIR-4438-03	40 µm replacement element for B73G models
OM-AIR-4338-05	40 µm replacement element for B74G models
OM-AIR-5925-03	5 µm replacement element for B72G models
OM-AIR-4438-01	5 µm replacement element for B73G models
OM-AIR-4338-04	5 µm replacement element for B74G models

Notes: Models listed include PTF threads, knob adjustment, metal bowl with liquid level indicator, relieving diaphragm, 0.3 to 10 bar (5 to 150 psig) outlet pressure adjustment range* with gage.

* 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 10 bar (150 psig) inlet pressure, 6.3 bar (90 psig) set pressure and a 1 bar (15 psig) droop from set.

Ordering Examples: B72G-2AK-AE3-RMG, filter/regulator with 1/4" port, flow of up to 80 scfm, metal bowl with liquid level indicator, knob adjustment and PTF threads.

B73G-3AK-AD3-RMG, filter/regulator with 3/8" port, flow up to 123 scfm, metal bowl with liquid level indicator, knob adjustment and PTF threads.