

NORGREN EXCELON® PRESSURE REGULATORS



R72G-2AK-RMN,
shown without gage.



R73G-3AK-RMG



R74G-4AK-RMG
shown without gage.

R72G Series



- In-Line or Modular Installation
- Full Flow Gage Ports
- Balanced Valve Design
Minimizes Effect of Variation
in the Inlet Pressure on the
Outlet Pressure
- Standard Relieving Models
Allow Reduction of Downstream
Pressure when the System
is Dead-Ended

These products allow inlet pressure to pass directly through the body. The outlet port is at right angles to the inlet. This then allows units to be “Quickclamped” together in a bank meaning numerous regulated pressures can be obtained from a single supply—see illustration. R72M pressure regulators are ideal for control cabinet installations where neat, compact assemblies are required. See website for additional information.

All shown smaller
than actual size.

SPECIFICATIONS

Fluid: Compressed Air
Maximum Pressure: 20 bar (300 psig)
Operating Temperature*: -34 to 80°C
 (-30 to 175°F)
**Typical Flow with 10 bar (150 psig)
 Inlet Pressure, 6.3 bar (90 psig) Set
 Pressure and 1 bar (15 psig) Droop
 from Set:** 144 scfm (68 dm³/s).

R72G MATERIALS

Body: Zinc
Bonnet: Acetal
Valve: Brass
Elastomers: Nitrile
Bottom Plug: Acetal

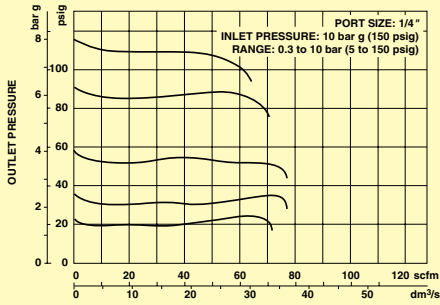
R73G AND R74G MATERIALS

Body: Aluminum
Bonnet: Aluminum or zinc
Elastomers: Nitrile
Bottom Plug: Acetal

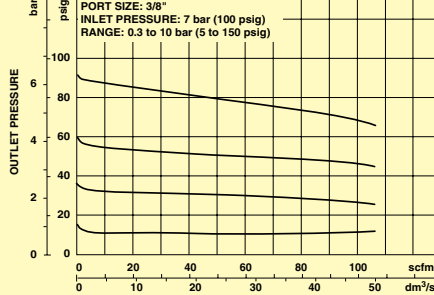
* Air supply must be dry enough to
 avoid ice formation at temperatures
 below 2°C (35°F).

PERFORMANCE GRAPHS

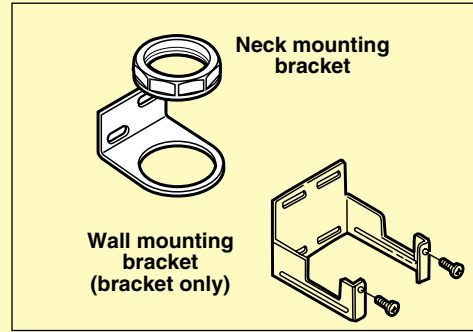
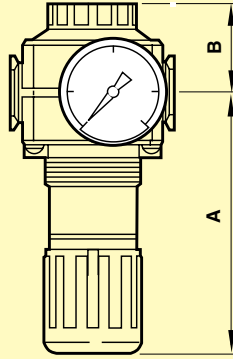
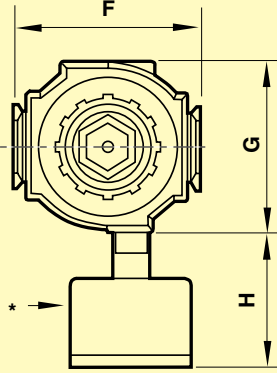
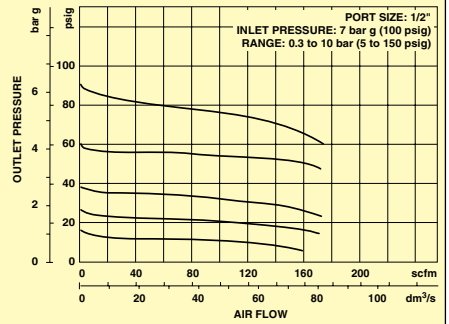
R72 FLOW CHARACTERISTICS



R73 FLOW CHARACTERISTICS



R74 FLOW CHARACTERISTICS



STANDARD DIMENSIONS (inch)

SERIES	A	B	F	G	H	PANEL DIA	PANEL DEPTH
72	2.87	1.30	1.97	1.89	1.38	1.57	0 to 0.16
73	3.78	1.54	2.68	2.44	2.20	1.89	0.07 to 0.25
74	5.00	1.69	3.15	2.91	2.20	2.05	0.07 to 0.25

METRIC DIMENSIONS (mm)

72	72.9	33.0	50.0	48.0	35.1	39.9	0 to 4
73	96.0	39.1	68.1	62.0	55.9	48.0	1.8 to 6.4
74	127.0	42.9	80.0	73.9	55.9	52.1	1.8 to 6.4

To Order Visit omega.com/r72g_series for Details and Pricing

MODEL NUMBER	PORT SIZE (NPT)	OUTLET PRESSURE RANGE BAR (PSIG)*	FLOW SCFM (DM3/S)
R72G-2AK-RCG	1/4	0.34-2 (5 to 30)	70 (33)
R72G-2AK-RFG	1/4	0.34-4.1 (5 to 60)	70 (33)
R72G-2AK-RMN	1/4	0.34-10.3 (5 to 150)	70 (33)
R72G-2AK-RMG	1/4	0.34-10.3 (5 to 150)	70 (33)
R73G-3AK-RMG	3/8	0.34-10.3 (5 to 150)	144 (68)
R74G-4AK-RMG	1/2	0.34-10.3 (5 to 150)	220 (105)
R74G-6AK-RMG	3/4	0.34-10.3 (5 to 150)	220 (105)
R74G-6AT-RSG*	3/4	0.34-17.2 (5 to 250)	220 (105)

* 250 Outlet pressure only supplied with T handle with locking nut

ACCESSORIES

MODEL NO.	DESCRIPTION
OM-AIR-74316-50	Neck mounting bracket and panel nut for R72G model
OM-AIR-4461-50	Neck mounting bracket and panel nut for R73G model
OM-AIR-4368-51	Neck mounting bracket and panel nut for R74G model
OM-AIR-4224-50	Wall mounting bracket for R72G model
OM-AIR-4424-50	Wall mounting bracket for R73G model
OM-AIR-4324-50	Wall mounting bracket for R74G model

Notes: Models listed include uni-directional flow, PTF threads, knob adjustment, relieving diaphragm.

* 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: R72G-2AK-RMG, pressure regulator with 1/4" port, flow of up to 70 scfm, knob adjustment and PTF threads.

R73G-3AK-RMG, pressure regulator with 3/8" port, flow up to 144 scfm, knob adjustment and PTF threads, and OM-AIR-4424-50, wall mounting bracket.