

R91W: Use with deionized water and potable water systems. Plastic (not assembly) is NSF approved. All elastomers are CFR 21 FDA food and water contact compliant. Non relieving models only.

R91G: Use with non-potable water (non-relieving only) and compressed air systems (Non relieving and relieving models.)



Technical data

Fluid

R91G: Compressed air and nonpotable water, neutral gases

NOTE: Contact technical support for use with other media. R91W: Potable water, deionized

water

Maximum pressure:

150 psig (10 bar)

Operating temperature

Water service: 35° to 125°F (2° to 52°C)

Air service: 0° to 125°F (-20° to 52°C)*

* When used in air service, air supply must be dry enough to avoid ice formation at temperatures below 35°F

Gauge ports:

1/8 PTF with PTF main ports R1/8 with ISO G main ports

Materials

EPDM

Body and bonnet: acetal Valve

R91G: brass, nitrile R91W: stainless steel/food grade Valve seat: acetal Valve seat o-ring R91G: nitrile R91W: Food grade EPDM

Diaphragm

R91G: acetal, nylon inserted nitrile R91W: acetal, nylon inserted

nitrile, food grade Gauge port plugs: nylon

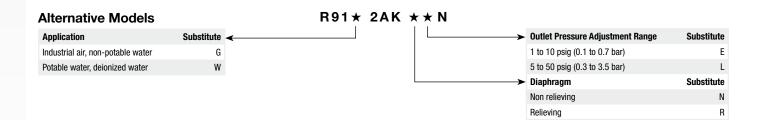
Ordering information

Models listed include PTF threads, knob adjustment, non relieving diaphragm, 5 to 125 psig (0.3 to 8.6 bar) outlet pressure adjustment range†, and without gauge.

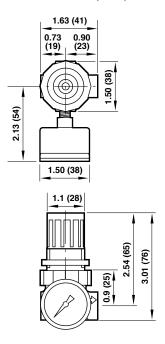
ISO Symbols		Inlet Port	Application	Model	Flow* scfm (dm3/s)	Flow** gpm (lpm)	Weight lb (kg)
Relieving	Non relieving	1/4"	Industrial air and non-potable water	R91G-2AK-NLN	24 (11)	1.75 (6.6)	0.15 (0.07
		1/4"	Potable water and deionized water	R91W-2AK-NLN	24 (11)	1.75 (6.6)	0.15 (0.07)

^{*} Typical flow for compressed air service at 150 psig (10 bar) inlet pressure, 90 psig (6.3 bar) set pressure and a droop of 15 psig (1 bar) from set.

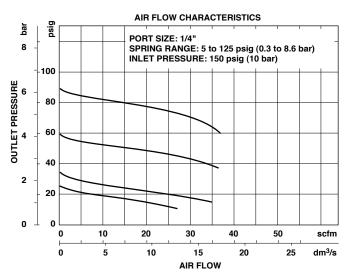
^{**} Typical flow for water service at 100 psig (7 bar) inlet pressure, 60 psig (4 bar) set pressure and a droop of 15 psig (1 bar) from set.

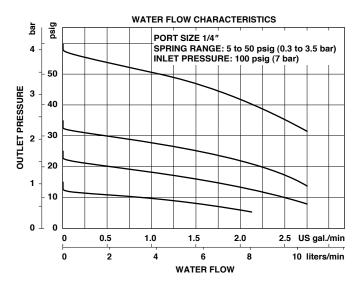


Panel mounting hole diameter 1.19" (30 mm) Maximum panel thickness 0.25" (6 mm)



Typical Performance Characteristics





Service Kits

Item	Туре	Part number
Service Kit	R91W, non relieving	3407-93
	R91G, non relieving	3407-94
	R91G, relieving	3407-95

Service kit contains slip ring, diaphragm, valve seat with o-ring, valve, and valve spring.

Dimensions in inches (mm)

