



AR91, AR92 SERIES

Pressure Regulator



M4111/0517

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Operation

Connect supply pressure to "IN" Port on the bottom of the regulator. Connect output pressure line to the "OUT" Port on the bottom of the regulator.

NOTE: The "IN" Port is the port on the bottom of the body on the same side as the pressed in ball. See label for direction of the flow. Maximum supply pressure is 250 PSIG.

An output gauge can be installed in the 10-32 UNF-2B Port on the bottom of the regulator.

Output pressure is controlled by an adjusting knob. Clockwise rotation increases output pressure and counter clockwise rotation decreases output pressure.

The AR91/AR92 Series regulators are relieving regulators and as with all relieving regulators, outlet pressure can be reduced even though the system is dead-ended. The regulator will likewise relieve in response to an increase in outlet pressure above the regulator setting, allowing air to escape to atmosphere. However, the flow capacity of the relief passage is limited and depending upon the source of the overpressure condition, the outlet pressure might increase to a point significantly higher than the regulator setting. For this reason the relief feature of a regulator must not be relied upon as an overpressure safety device.

Materials of Construction

BodyAnodized Aluminum
Adjusting ScrewPlated Steel
TrimBrass, Acetal
DiaphragmFluorocarbon w/Polyester Fabric
KnobAcetal Resin
SpringMusic Wire

Part Number	Port Size	Output Pressure Range	
		BAR	PSIG
AR91-005	1/16 NPT	0-0.3	0-5
AR91-015		0-1.0	0-15
AR91-030		0-2.1	0-30
AR91-060		0-4.1	0-60
AR91-100		0-6.9	0-100
		BAR	PSIG
AR92-005	5mm	0-0.3	0-5
AR92-015		0-1.0	0-15
AR92-030		0-2.1	0-30
AR92-060		0-4.1	0-60
AR92-100		0-6.9	0-100

