

## R-130 Air Pressure Reducing Valve

The R-130 Air Pressure Reducing Valve is designed for use on compressed air systems to reduce the primary air to a desired pressure. A relieving feature reduces the output pressure when the output pressure setting is lowered. Excessive pressure buildup in a regulated pressure system is also prevented.

### Installation

Both models of the R-130 feature a connection in the valve body for an output pressure gage and another connection for an R-130-100 Accessory Mounting Bracket (ordered separately, see Fig. 2). To add the gage and/or R-130-100 Bracket to the R-130-14, an F-1000-15 1/4 x 1/8 in. adapter fitting (ordered separately) is required to make the connection. The R-130-14 can also be mounted using an A-4000-143 Accessory Mounting Bracket (ordered separately, see Fig. 3).

### Operation

The output pressure setting is changed by turning the black knob on top of the R-130-1 and by pulling up and turning the black knob on top of the R-130-14 (see Figs. 4 and 5). The pressure setting is locked in by tightening the lockring on the R-130-1 and by pushing the black knob down on the R-130-14.

### Repair Information

Field repairs must not be made. For a replacement R-130, contact the nearest Johnson Controls branch office.



**Fig. 1 – R-130 Air Pressure Reducing Valves**

### Specifications

<b>Product</b>	R-130 Air Pressure Reducing Valve	
<b>Models</b>	See Table 1	
<b>Input Pressure</b>	Up to 300 PSIG (2100 kPa)	
<b>Output Pressure</b>	0 to 50 PSIG (0 to 350 kPa)	
<b>Ambient Temp Limits</b>	<b>R-130-1</b>	0 to 150°F (0 to 66°C)
	<b>R-130-14</b>	0 to 175°F (0 to 79°C)
<b>Materials</b>	<b>Body</b>	<b>R-130-1</b> Aluminum, Natural Aluminum Finish
		<b>R-130-14</b> Die Cast Zinc, Gray Enamel Finish
	<b>Top</b>	<b>R-130-1</b> Delrin®
		<b>R-130-14</b> Die Cast Zinc, Gray Enamel Finish
<b>Main Port Connections</b>	<b>R-130-1</b>	1/8 in. NPT
	<b>R-130-14</b>	3/8 in. NPT
<b>Gage Port Connections</b>	<b>R-130-1</b>	1/8 in. NPT
	<b>R-130-14</b>	1/4 in. NPT
<b>Mounting</b>	<b>R-130-1</b>	Inline, Panel Mounted, or Bracket Supported
	<b>R-130-14</b>	Bracket Supported
<b>Accessories (Order Separately)</b>	R-130-100 Mounting Bracket (For R-130-1 and R-130-14)	
	F-4218-1302 Panel Locknut (For R-130-1 Only)	
	A-4000-143 Mounting Bracket (For R-130-14 Only)	
	G-2010-11	0 to 30 PSIG Air Pressure Gage
	F-1000-15	1/4 x 1/8 in. Adapter Fitting

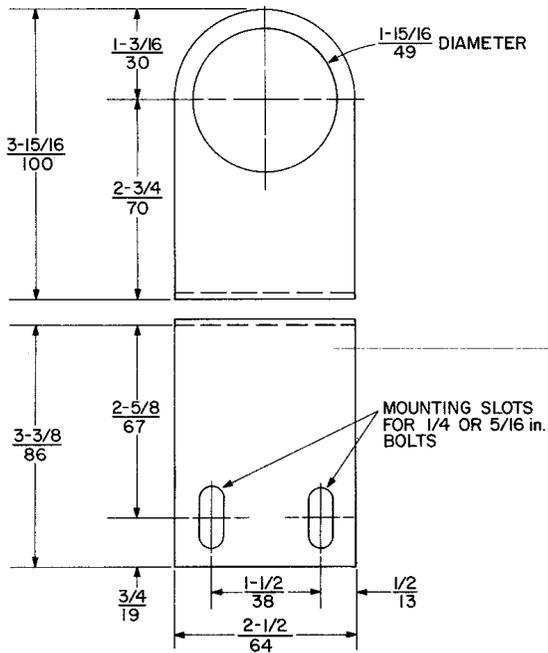
*The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.*

**Table 1: Models**

R-130 - Suffix	Size (NPT)	Flow Capacity	Shipping Weight lb*
		SCFM L/s	
- 1**	1/8 in.	1 0.5	0.4
- 14	3/8 in.	25 11.8	1.4

\*lb × 0.454 = kg

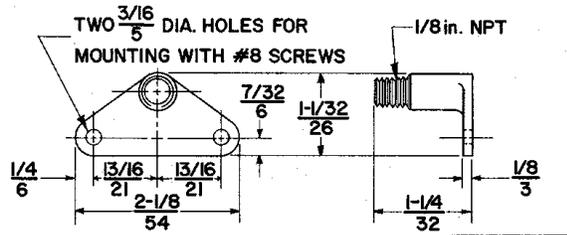
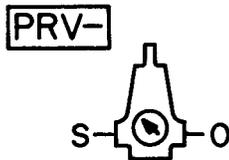
\*\* When the R-130-1 is used as a minimum set point regulator, an R-3710 Series, .005 in. exhaust restrictor must be used in the output line between the R-130-1 and the controlled device.



**Fig. 3: A-4000-143 Accessory Mounting Bracket for R-130-14 Only**

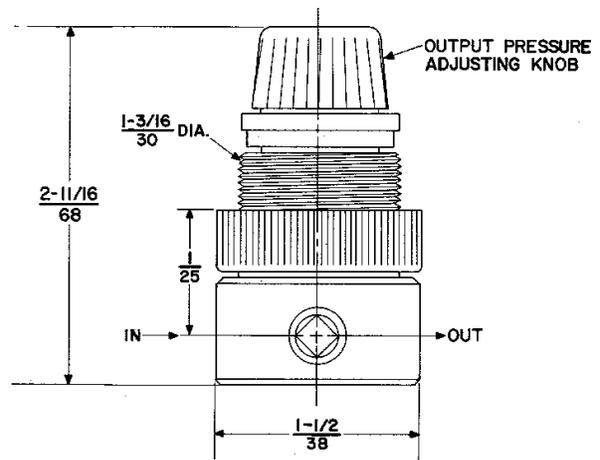
Dimensions  $\frac{\text{in.}}{\text{mm}}$

**Application and Drawing Identification**

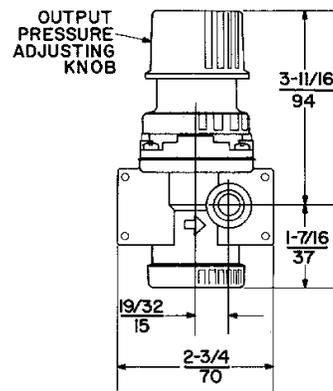


**Fig. 2: R-130-100 Accessory Mounting Bracket for R-130-1 & R-130-14**

Dimensions  $\frac{\text{in.}}{\text{mm}}$



**Fig. 4: R-130-1 Dimensions  $\frac{\text{in.}}{\text{mm}}$**



**Fig. 5: R-130-14 Dimensions  $\frac{\text{in.}}{\text{mm}}$**

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