

R-131-Precision Air Pressure Reducing Valve

The Johnson R-131 Precision Air Pressure Reducing Valve is designed for use where highly accurate regulation of air pressure is required. When properly adjusted with the system in operation and used within its rated capacity, this valve will maintain an output pressure within ± 0.1 psi.

The valve is supplied in 1/4 in. pipe size with two auxiliary 1/4 in. ports, either of which can be used for connection of an output pressure gage. The direction of flow is marked on the bottom of the valve. The finish is moss green.

Operation

Output pressure is adjusted by turning a hand-wheel on top of the valve. Clockwise rotation increases the output pressure. A locking nut is provided which can be tightened without altering the setting. Integral filters prevent dirt from entering the valve.

To protect the system from possible damage, the output pressure will not pass if the valve malfunctions. Thus, the R-131 is failsafe.

Mounting

The R-131 valve is designed for in-line mounting or can be panel mounted using the optional mounting bracket. Clean, dry air should be used to assure trouble-free operation.

Specifications

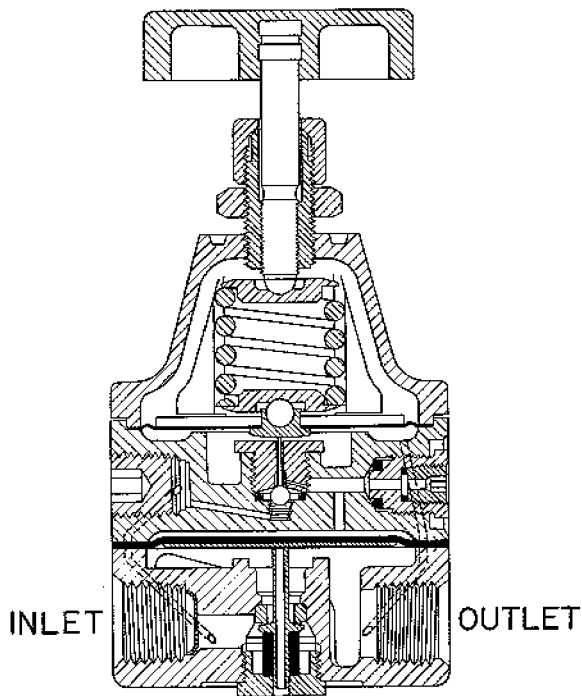
MODEL		R-131
INLET PRESSURE RANGE		0 TO 200 psig
OUTPUT PRESSURE RANGE		0 TO 150 psig
OPERATING TEMPERATURES		32 TO 160F
MATERIAL	BODY	DIE CAST ZINC
	DIAPHRAGM	NYLON REINFORCED BUNA-N
ADJUSTMENT		HANDWHEEL WITH LOCKING NUT
FINISH		MOSS GREEN
GAGE PORTS		TWO 1/4" F.P.T. PLUGGED
MOUNTING		IN-LINE OR WITH OPTIONAL BRACKET



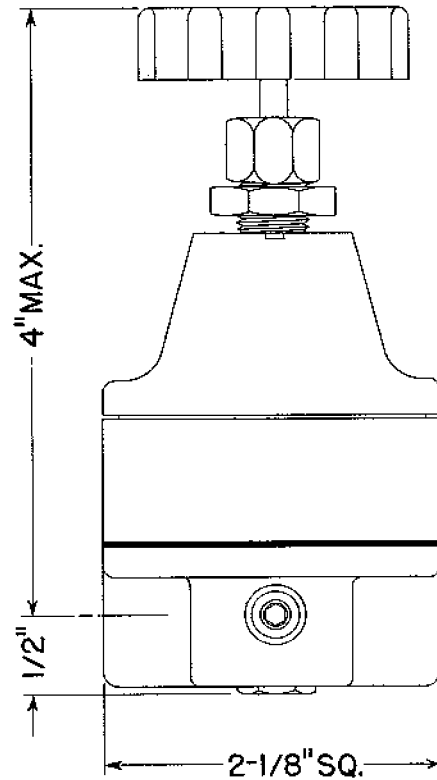
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TABLE I

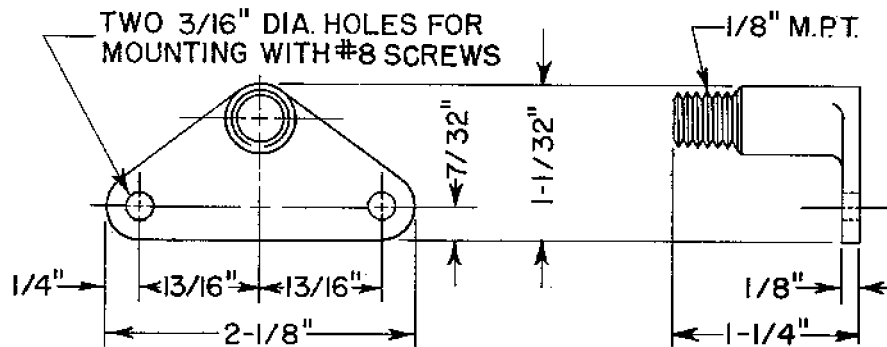
R-131 CAPACITIES AT 20 psig OUTPUT PRESSURE	
Inlet Pressure	Capacity
40	10 scfm
60	18 scfm
90	35 scfm



**R-131 Valve Showing
Inner Construction**



**R-131 Roughing-In
Dimensions**



R-130-100 Accessory Mounting Bracket

**JOHNSON
CONTROLS**

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Printed in U.S.A.