



8 Columbia Drive
Amherst, N.H. 03031
603-886-9400

Instructions Type 100 Precision Air Pressure Regulator

INSTALLATION:

The ControlAir Precision Pressure Regulator is designed for air service only. The maximum supply pressure is 150 P.S.I. and the control range is indicated on the label. A filter (5 micron is recommended) should be installed ahead of the regulator to prevent foreign matter in the air line from affecting the performance of the Regulator. If an air line lubricator is used it should be located downstream beyond the regulator. Clean all air lines thoroughly to remove dirt and scale. Apply a small amount of compound to the male threads only and install the Regulator so that flow is in accordance with the *IN and OUT* ports. Make sure all connections are right and that the exhaust vents in the side of the regulator are not blocked shut. The regulator can be mounted in any position without affecting its operation. FOR PANEL MOUNTING, THE PANEL MOUNTING NUT SHOULD BE TIGHTENED WITH A TORQUE OF 60 IN LBS. A pressure gage may be attached to the regulator by removing the gage port plug.

OPERATION:

Back off the pressure adjusting knob before putting the regulator into operation initially. Turn on the supply pressure slowly and then turn the adjusting knob until the desired output pressure is reached. It is recommended that the supply pressure be at least 5 P.S.I. more than the regulated pressure. Since this instrument utilizes an air bleed servo-control action, a slight sound of escaping air may be heard in the area of the bleed screw. This is normal and is required for the precise control which this regulator offers.

MAINTENANCE:

Occasional attention may be required due to the accumulation of foreign matter in the instrument. If gage readings appear to fluctuate without cause this usually indicates that the bleed screw requires cleaning. This can be done by merely removing it from the body and cleaning both the screen and the bleed screw. Make sure that no foreign matter is plugging the small orifice in the tip of the screw. If further attention is required repair kits and replacement parts may be purchased.

LIMITED WARRANTY & DISCLAIMER

ControlAir, Inc. products are warranted to be free from defects in materials and workmanship for a period of one year from the date of manufacture, provided said products are used according to ControlAir, Inc. recommended usages. ControlAir, Inc.'s liability is limited to repair of, refund of purchase price paid for, or replacement in kind of, at Control Air, Inc.'s sole option, any products proved defective. ControlAir, Inc. reserves the right to discontinue manufacture of any products or change products materials, design or specifications without notice.

WARNING

These products are intended for use in industrial compressed-air systems only. Do not use these products where pressures and temperatures can exceed those listed under Specifications.

Before using these products with fluids other than air, for nonindustrial applications, life-support systems, or other applications not within published specifications, consult ControlAir, Inc.