

**Instructions  
Back Pressure Regulator  
Type 700BP**

 **ControlAir Inc.**  
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**INSTALLATION:**

The ControlAir Type 700BP is designed for air service only. The maximum supply pressure is 250 psi.

Clean all pipe lines to remove dirt and scale before installing. Apply minimum amount of pipe compound to male threads of air line only. Install regulator in air line; body is fitted with 1/4" or 3/8" NPT for inlet and outlet connections. Regulator can be mounted in any position without affecting its operation. Avoid undersized fittings that will limit flow through the regulator and cause pressure drop downstream. The use of a filter to remove dirt and liquid in the air line ahead of the regulator is recommended for best performance. If an air line lubricator is used, it should be located downstream beyond the regulator in order to avoid interference with the regulator performance.

**OPERATION:**

The Type 700BP is a high-capacity back pressure regulator that provides protection against over-pressurization on the upstream side of the pneumatic device(s) using regulated air.

Before putting regulator into service for the first time, relieve pressure on the range spring by turning the knob counter-clockwise. To operate, turn the pressure adjusting knob slowly in a clockwise direction until reaching a set pressure that is a suitable relief point for the pneumatic device(s).

**MAINTENANCE:**

The regulator is easily disassembled for the occasional cleaning or removal of foreign matter. Before this is done, however, shut off valve upstream of the regulator to prevent escape of air when regulator is disassembled. There is no need to remove the regulator from the pipe

line, remove the two #8-32 screws on the bottom of the unit and pull out the pintle assembly. Wash inner valve assembly with solvent exercising care to avoid damaging diaphragms and valve facings (Avoid such solvents as acetone, carbon tet, and trichlorethylene.) Replace assembly carefully.

The vent hole in the bonnet should be kept clean. A slight flow of air through this hole is necessary for the proper operation of the regulator.

**LIMITED WARRANTY AND  
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 ControlAir, 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 stated by ControlAir.

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