



**Type 700**  
**Precision High Flow Pressure Regulator**

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## INSTALLATION

The ControlAir high-flow Type 700 is designed for air service only. The maximum supply pressure is 250 PSI. Clean all pipe lines thoroughly to remove dirt and scale before installation is made. Apply a small amount of compound to the male threads only. Install regulator in air line; body is fitted with a 1/4" or 3/8" NPT/BSP 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 lubricator is used, it should be located downstream beyond the regulator in order to avoid interference with the regulator performance.

## OPERATION

The Type 700 is a high capacity regulator that provides a uniform output pressure independent of supply pressure variations. Before putting the regulator into service for the first time, relieve pressure on the range spring by turning the knob counterclockwise. To operate, turn the pressure adjusting knob slowly in a clockwise direction until required downstream pressure is obtained. Turned in this direction, the range spring compresses causing increased output pressure.

## 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 No. 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, trichlorethlene.) 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 & DISCLAIMER

ControlAir LLC products are warranted to be free from defects in materials and workmanship for a period of eighteen months from the date of sale, provided said products are used according to ControlAir LLC recommended usages. ControlAir LLC's liability is limited to repair, purchase price refund, or replacement in kind, at ControlAir LLC's sole option, of any products proved defective. ControlAir LLC reserves the right to discontinue manufacture of any product or change product materials, design or specifications without notice. Note: ControlAir does not assume responsibility for the selection, use, or maintenance of any product. Responsibility for the proper selection, use, and maintenance of any ControlAir product remains solely with the purchaser and end user.

**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 non-industrial applications, life-support systems, or other applications not within published specifications, consult ControlAir LLC**