

# MODELS 5300P

## AIR FILTER REGULATOR

### SECTION I

#### I. DESCRIPTION AND SCOPE

These regulators are designed for air service only. Maximum allowable inlet pressure is 290 psi. Operating temperatures are -20° to 180° F. The 5300P has low capacity internal relief which provides very limited down stream over pressure protection. Note: Non-relieving version does not provide internal relief. To avoid exceeding outlet pressure limits in service, a pressure-relieving or pressure-limiting device should be provided.

### SECTION II

#### II. INSTALLATION

Install the regulator as close as possible to the instrument or tool it is to service. Clean all pipelines to remove dirt and scale prior to installation. The words "IN" and "OUT" are cast into the body to indicate the direction of flow. For best filter drainage, orient the drain valve so that it is at the lowest point on the drip well housing. The exhaust port should be kept free and unplugged. Position the regulator so the vent is at the lowest point possible, or provide additional protection to prevent contaminants from entering the regulator. Rotating the bonnet relative to the body may change the vent hole orientation. Exhaust may be remotely vented by installing tubing to the 1/8" NPT port. Apply pipe compound or sealing tape to the male pipe threads prior to installing regulator. Use caution to prevent the sealant from getting inside the regulator.

### SECTION III

#### III. PRINCIPLE OF OPERATION

Prior to turning on supply air, back off adjusting screw until there is no compression of the range spring. After turning supply pressure on, turn the adjusting screw clockwise to increase outlet pressure. Tighten locknut to maintain desired pressure setting.

### SECTION IV

#### IV. MAINTENANCE

1. To remove condensate, slowly open drain valve and bleed accumulated liquid.
2. To clean filter element
  - a. Shut off supply air.
  - b. Drain condensate.
  - c. Remove four corner bolts from bottom of unit.
  - d. Remove drip well housing and filter.
  - e. Clean parts and reassemble in reverse order.

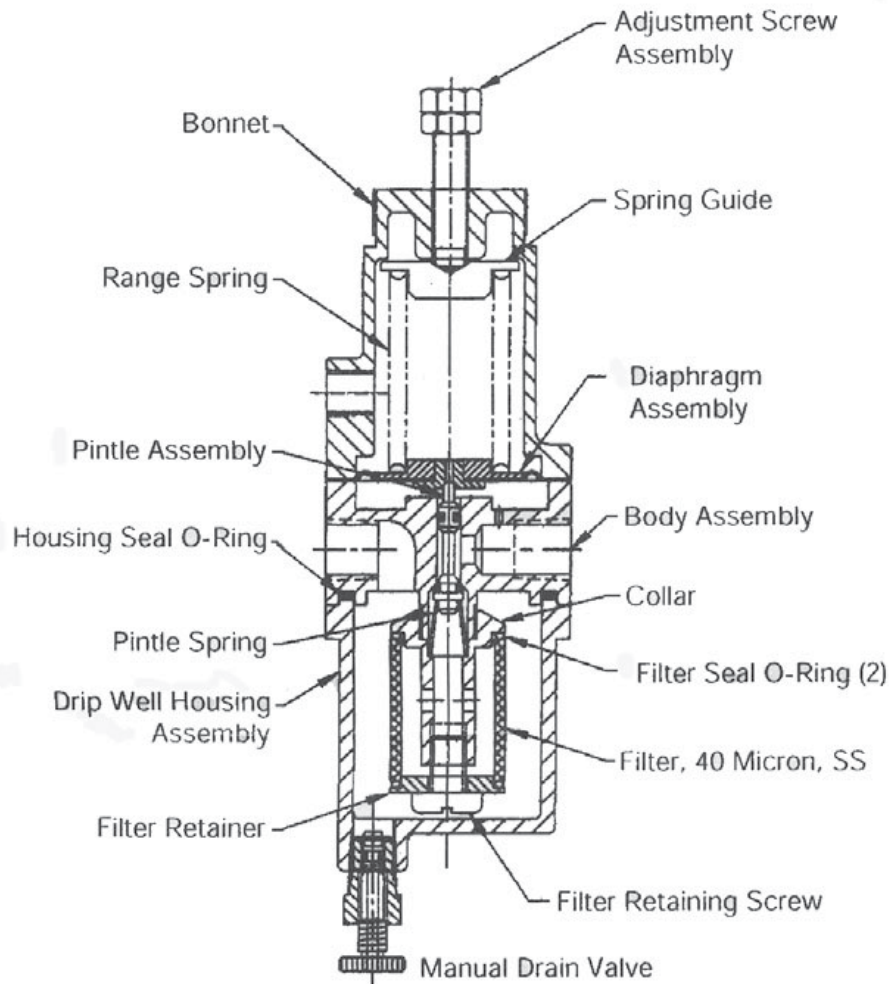


## WARNING

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 factory.

### 5300P Instrument Air Filter Regulator



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