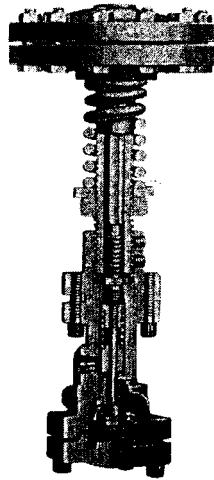




SPENCE ENGINEERING COMPANY, INC.
Walden, NY 12586-2035

PRESSURE SAFETY PILOT



Pressure Safety Pilot

The **Spence** Pressure Safety Pilot is designed to prevent an accidental rise in delivery pressure from a reducing valve. It is applicable to all **Spence** Pressure Regulators utilizing Type E or C series Main Valves.

The Pressure Safety Pilot must not be considered as a substitute for a pop safety valve. Its function is to take over the pressure control in the event of failure of the pressure pilot. It is usually set 5 to 10 psi above the normal delivery pressure.

If the Main Valve is protected by an approved Strainer, a Pressure Safety Pilot makes it practically impossible for the Regulator to fail open.

Pilot Bodies are suitable for maximum inlet conditions as follows:

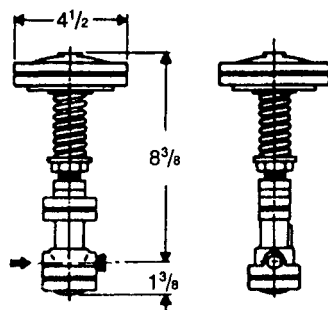
- Cast Bronze300 psi 500°F.
- Cast Steel.....600 psi 750°F.

Other Materials:

- Seats and DiscsStainless Steel
- StemsStainless Steel
- Diaphragms.....Laminated Bronze
- Springs.....Tempered Steel

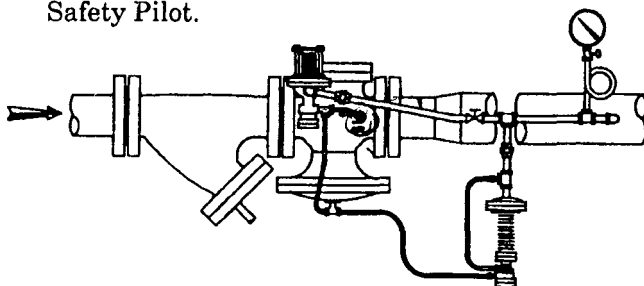
Operating pressure ranges, determined by choice of Control Spring, are as follows:

- 5 to 13 psi 31 to 65 psi
- 13 to 65 psi 66 to 175 psi

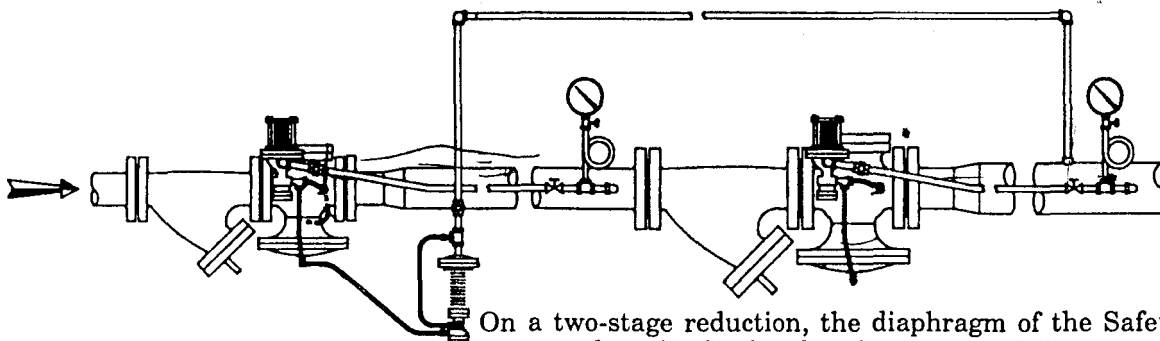
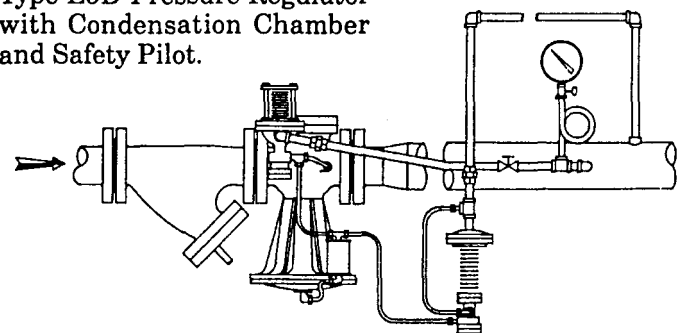


Roughing-in Dimensions
(weight 8 lb)

Type ED or C20D Pressure Regulator Installation with Safety Pilot.



Type E5D Pressure Regulator with Condensation Chamber and Safety Pilot.



On a two-stage reduction, the diaphragm of the Safety Pilot is connected to the final reduced pressure. If, for any reason, the Secondary Regulator should fail, the Safety Pilot will take over the control so that the Primary Regulator will make a one-stage reduction to the pressure for which the Safety Pilot is set.