



The Model 25 Reversing Relay provides an output which will decrease in direct proportion to an increase in input pressure.

### Features

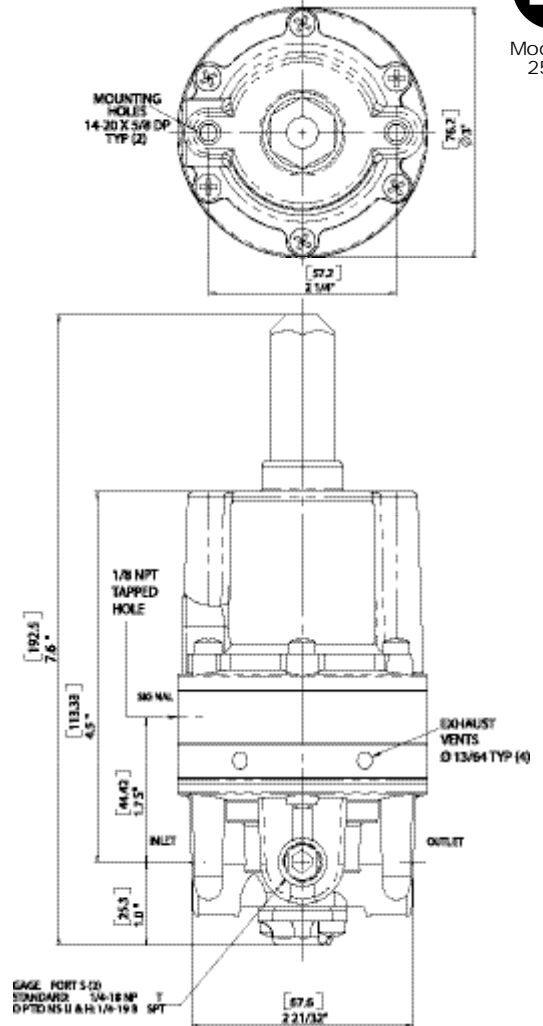
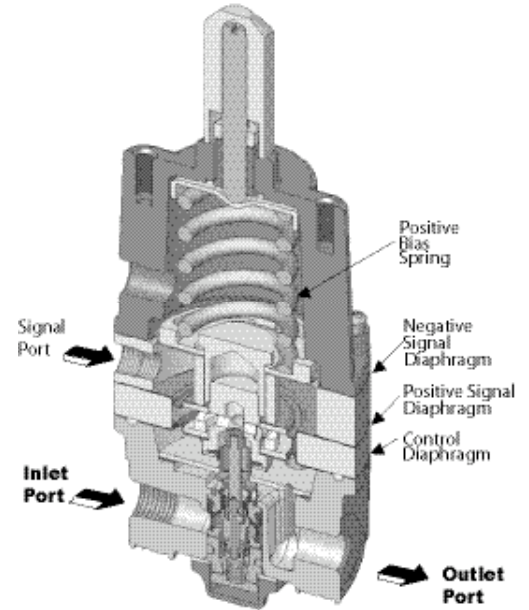
- High strength, deep convolution compensating diaphragm.
- Bottom pressure balancing chamber with a diaphragm.
- Floating seal ring.
- Balances undesirable relief seat forces.
- Ensures balanced supply seat forces.
- Protects stabilizing chamber from effect of high relief flows.

### Operating Principles

The Model 25 Reversing Relay is designed for applications requiring an output that equals a manually preset spring load minus a variable signal pressure. This high quality unit combines excellent sensitivity with unusually high flow capacity.

The Model 25 is ideally suited for a variety of precision control applications, including converting direct acting valves to reverse action, controlling opposite acting valves from a single transmitter, and cushioning cylinder loads.

The basic mathematical expression for the Model 25 is  $PO = K - PS$  where PO is output pressure, PS is signal pressure and K is the spring constant.



Model 25

