R-314

3-Way Multiple Pilot Valve

3-Way Two Position

Features:
- Multiple pilots reduces number of valves - reduces piping and space required
- Micro gap construction - snap action and no blow by
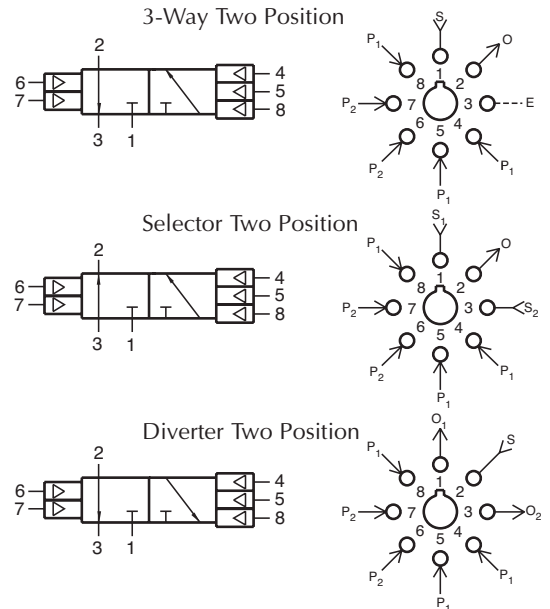- Balanced design allows speed control at exhausts

Selector Two Position

Performance:

Flow: 9 scfm @ 100 psig; 255 l/min @ 6.9 bars
Pilot Pressure Minimum: 20 psig; 1.4 bars
Temperature: 32° to 180° F
Working Pressure: 0 to 150 psig; 0 to 10.3 bars

Diverter Two Position

Description:
R-314 is a 3-way, air piloted, two position valve. It has three pilots on one side and two pilots on the other side. (see symbol) Actuating more than one pilot on the same side has no additional effect. Pilot signals must be absent from all pilots (on the same side) before an opposite pilot will shift the valve. The valve can be used normally-OPEN, normally-CLOSED; as a selector, or as a diverter. It may be used as a 2-way valve by plugging the exhaust ports.

R-315

3-Way Multiple Pilot Valve

Normally Closed

Features:
- Indicator shows valve in shaded position
- Multiple pilots reduces number of valves - reduces piping and space required
- Micro gap construction - snap action and no blow by
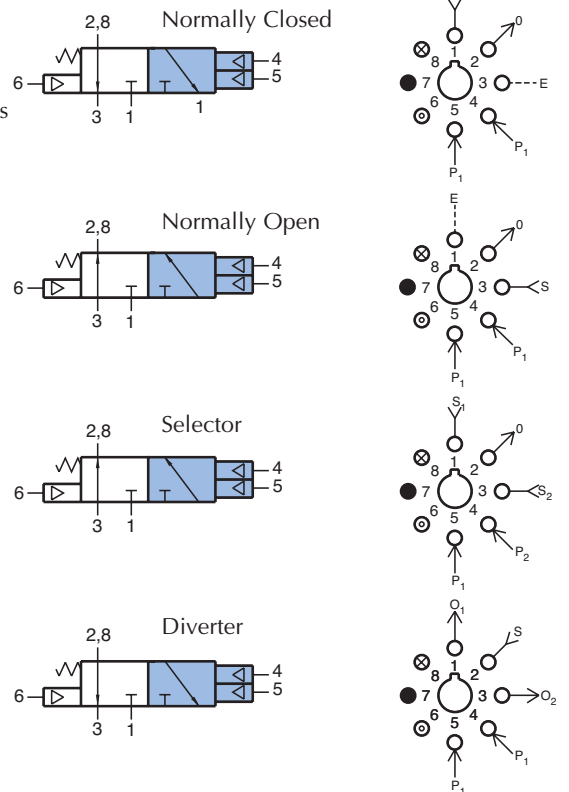- Balanced design allows speed control at exhaust

Normally Open

Performance:

Flow: 9 scfm @ 100 psig; 255 l/min @ 6.9 bars
Pilot Pressure Minimum: 40 psig; 2.8 bars
Temperature: 32° to 180° F
Working Pressure: 0 to 150 psig; 0 to 10.3 bars

Selector

Description:
R-315 is a 3-way, spring return, fully ported valve with two independent pilots that make it ideal for "latch" circuits. Either of the two pilots will actuate the valve. Actuating more than one pilot has no additional effect. Pilot signals must be absent at both pilots to release the valve. The valve can be used normally-OPEN, normally-CLOSED, as a selector or as a diverter. It can also be used as a 2-way valve by plugging the exhaust ports. The R-315 may be used to replace an R-301 valve in a circuit when additional pilot inputs are required. The R-315 also features an auxiliary pilot on the spring side of the valve. The auxiliary pilot will overcome any one or all of the four input pilots.

Diverter