

# MODULAR 4-WAY TWIN PILOT VALVES



## R-431



### Twin Pilot 4-Way Valve

#### Features:

- Indicator shows valve in shaded position
- Micro gap construction - snap action and no blow by
- Dual pilots eliminate shuttle valve
- Balanced design allows speed control at exhausts

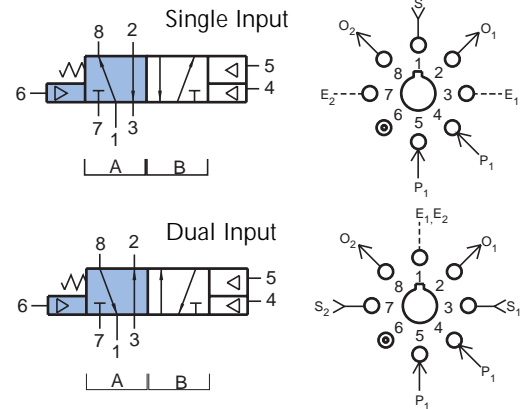
#### Performance:

**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

#### Description:

R-431 is a 5 ported, 4-way valve, with spring return and dual pilots. When ports 5 and 2 are connected, a momentary pilot signal at port 4 will shift the valve to the "latched" position. It will remain in this position until the supply (port 1) is removed, or connection between ports 5 and 2 is interrupted.

Special Note: R-431 uses differential pilots and, as a result, the auxiliary pilot with the spring is not sufficiently large to cancel out the force of pilot 5. The auxiliary pilot will overcome pilot 4. The valve is actuated by pilot signals per the following chart:



Pilot			Position
6	5	4	
off	off	off	A
off	off	on	B
off	on	on	B
off	on	off	B
on	off	off	A
on	off	on	A
on	on	off	B*

\*Dependent on pressure relation of port 5 and 6

## R-432



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- Indicator shows valve in shaded position
- Micro gap construction - snap action and no blow by
- Dual pilots eliminate shuttle valve
- Balanced design allows speed control at exhausts

#### 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

#### Description:

R-432 is a 5 ported, 4-way, two position, double piloted valve.

