

# Pneumatic Piston Valves

## Open - Close Control



TORK Solenoid Valve  
S1015 1/4" - 3/2"

Figure 1

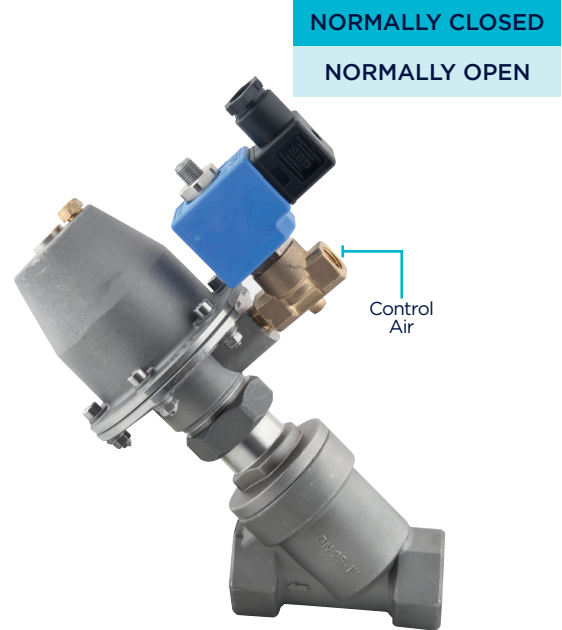
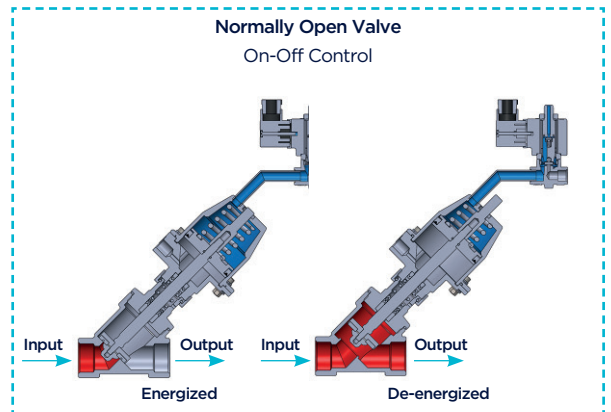
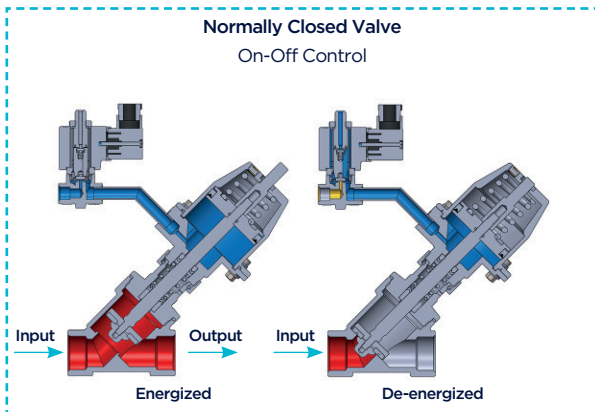


Figure 2



### Open- Close Control

**TORK Pneumatic Piston Valves, required for on-off control**

- a) 1/4" - 3/2 way solenoid valve
- b) 6 bar filtered basmgh air

The valve does not allow the fluid to pass in the Normally Closed position. The 1/4" -3/2 solenoid valve, which is connected to the valve actuator, is supplied with 6 bar of compressed air. When electrical energy is supplied to the coil of the solenoid valve, the compressed air enters into the actuator and moves the valve to the Normally Open position.

When power is cut through the coil, the valve returns to its initial position. Normally closed valve operation is shown in Figure 3; normally open valve operation is shown in Figure 4. Since the valve is open in the first position, it allows the fluid to pass through. The coil is energized and the valve is closed (Figure 3). When the electricity is switched off, the valve returns to the position shown in Figure 4.

Connection Size	Way	Working Pressure	Valve Type/ Order No	Coil Voltage and Type
G"		bar	S1015	
1/4"	3/2	0-8	S1015.01	Special Coil Voltage

\* Specify the type of valve and coil in the order.

\* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.