

The function of a valve is shown by two figures. The first shows the number of ports, the second shows the number of valve positions (pilot ports do not count).

Example: 4/2 = 4 ports, 2 positions (open or closed).

The symbol for a valve has the same number of squares as the valve has positions.

Example: 2 positions =



Arrows in the squares show the flow direction of the fluid.

Examples: One flow path =



Two flow paths =



T-lines in the squares show the number of closed ports.

Example:



Two flow paths and one closed port.

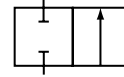
Example:



In this catalog, the vast majority of valves listed have only two positions, in which the right-hand square shows the valve unoperated and the left-hand square shows the valve operated.

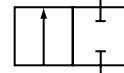
Normally Open (NO)

Example:



Normally Closed (NC)

Example:



Normally, the pipework is shown connected to the square representing the valve unoperated.

Symbols Showing Connections to Ports:

Exhaust that cannot be piped:



Exhaust that can be piped:

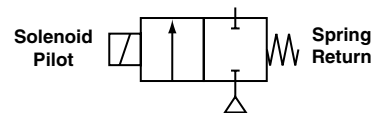


Connected to pressure source:



The methods of controlling the valve are shown as an addition to the squares. The left-hand side control shows the pilot (i.e. solenoid) and the right-hand side control shows the return pilot method (i.e. spring).

Example:



ISO Symbols for Valves Included in This Catalog:

Ports/Positions	Function	Pilot	Return Pilot	Symbol
2/2	NC	Solenoid	Spring	
2/2	NC	Solenoid/Ext. Pressure	Spring	
2/2	NC	Solenoid/Int. Pressure	Spring	
2/2	NO	Solenoid	Spring	
2/2	NC	Ext. Pressure	Spring	
2/2	NO	Ext. Pressure	Spring	
3/2	NC	Solenoid	Spring	
3/2	NC	Solenoid/Int. Pressure	Spring	
3/2	NO	Solenoid	Spring	
3/2	NO	Solenoid/Ext. Pressure	Spring	
3/2	NO	Solenoid/Int. Pressure	Spring	
3/2	U	Solenoid	Spring	
3/2	NC	Ext. Pressure	Spring	
3/2	NO	Ext. Pressure	Spring	
3/2 - (4/2)	NC	Solenoid/Int. Pressure	Spring	
4/2	-	Solenoid	Spring	
4/2	-	Solenoid/Int. Pressure	Spring	