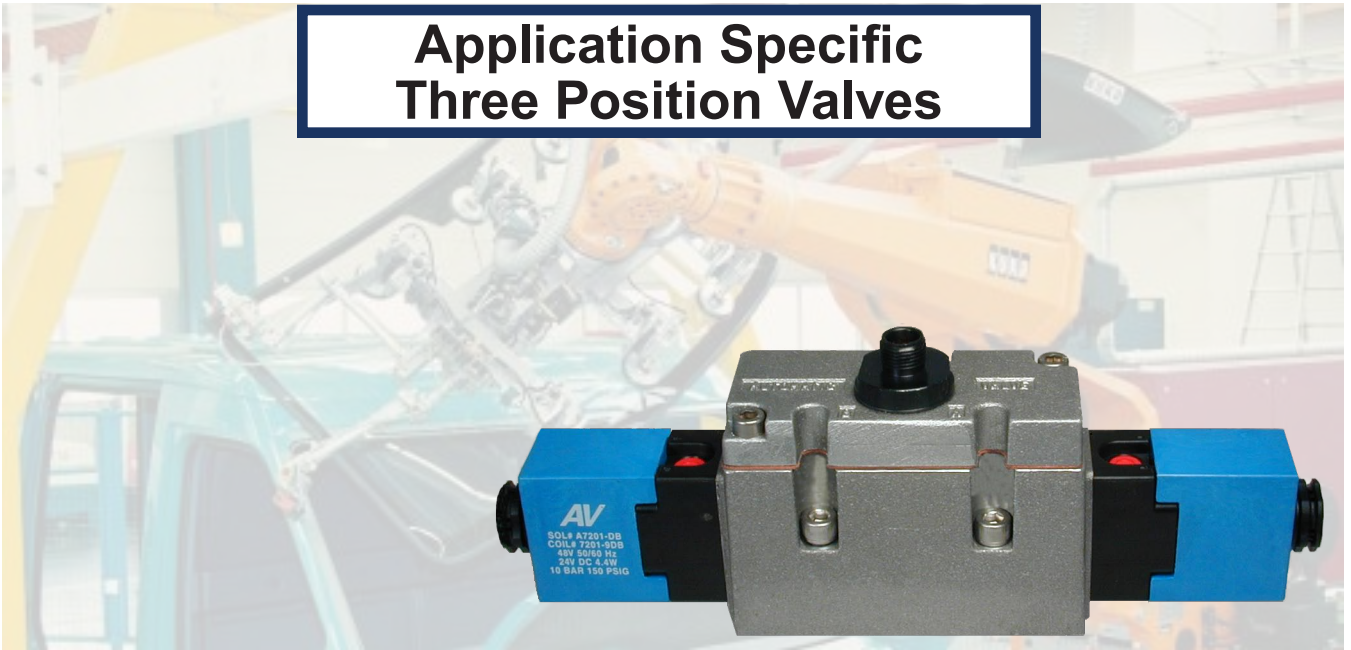




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## Application Specific Three Position Valves



**INDUSTRIES:** Material Handling, Robotics

**APPLICATION DESCRIPTION:** End of Arm Tooling (EOAT)

**PROBLEM:** End of arm tooling on many robots needs to be light and small. Vacuum cups are used in material handling applications. In the past, vacuum cup applications have required two valves: one double solenoid to introduce and release the vacuum; and one single solenoid to blow off the part. It is also critical that the vacuum be maintained on loss of signal. No one wants to drop a windshield in the event of a power outage.

**SOLUTION:** Automatic Valve Corp devised a three position, blocked center valve that uses a detent. The valve is initially energized to provide a vacuum and maintains this position even if the valve loses its electrical signal. The other solenoid activates blow off. This is a significant cost, weight and space savings for the customer.

AV can provide this configuration in all of our compact series valves and all of our SAE series valves.

Contact the factory or your local distributor for more information.  
Let us design a solution for you.