

SPECIALTY FUNCTION VALVES

REAL WORLD CHALLENGES

Customers required solenoid valves that are:

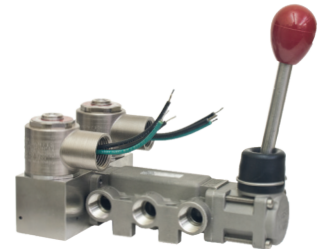
- Cost effective
- Provide dual solenoid dependability
- Compact footprint
- Easy to install and service

THE VERSA SOLUTION

VERSA offers a line of specialty function valves that perform as spring return valves, except with dual solenoids. They operate as a dual solenoid valve with a hand lever, other manual options, or as redundant valves. Using one redundant valve can replace multiple valves and components to accomplish the same function making them a compact, easy-to-apply design. VERSA also offers these options in VMAP packages.

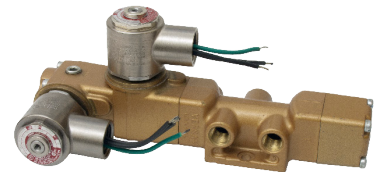
Push Pull Solenoid (Suffix -PPG)

A dual solenoid valve with a hand lever. The design concept is to provide the functionality of a dual coil, 2-position valve with the addition of manual control or any other actuator. The valve operates as a standard 2-position requiring only momentary electrical contact to shift the valve. Various manual actuators are available. The lever shown is an “L” type which can be manually set in either offset position when the solenoid valve is de-energized. Available in brass and stainless.



Redundant Solenoid 2oo2 (Suffix -RS)

When parallel electronic control circuits are utilized in a system, the parallel circuit will keep the system running if a complete control circuit fails or requires maintenance. In a parallel circuit, VERSA's Redundant Valve functions the same as a solenoid-operated spring return valve, except that it has two solenoids (one for each of the parallel circuits) rather than one solenoid. Either or both of these solenoids will shift and maintain the controlled device in the shifted position. Both solenoids must be de-energized to return the controlled device to the un-shifted position. The use of one Redundant Valve can replace multiple valves and components to accomplish the same function. This function can be considered as a (2oo2). Available in brass, stainless, and aluminum.



Shut Off Valve 1oo2 (Suffix -SOV)

While the Shut off Valve looks similar to the Redundant Solenoid Valve (shown above), the internal pilot circuit is different. The -SOV option provides a series pilot control circuit that requires both coils, a primary and a secondary, to be energized in order for the valve to shift. Conversely, if the electrical signal to either coil is removed, the valve will return to the de-energized position. This function can be considered as a (1oo2), where various control devices (e.g., temperature, pressure switches) could be wired in series with each coil. Available in brass and stainless.

