Product Bulletin 190
Sept. 2012

SOLENOID CONTROL SYSTEM TEST
V-316 Series Bypass Valve

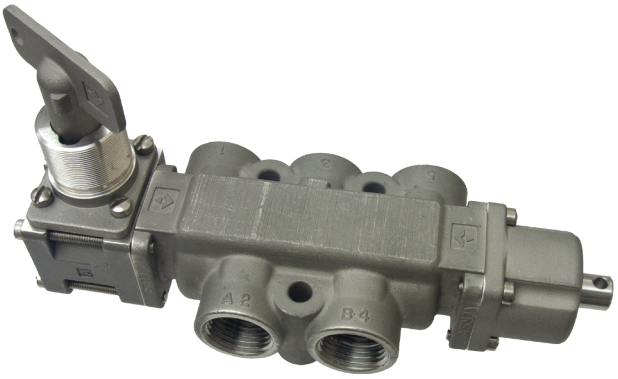
Versa Products Company is excited to offer a valve option for the testing of a solenoid valve control circuits in applications where closing down or "shutting in" the system is not an option. Versa's bypass valve allows the testing and replacement of a component with in the circuit while not shutting down the main system. Versa's solution is simple to apply, operate and accomplished in one valve. The, basic valve is a 3 position manual valve. Operation is as follows:

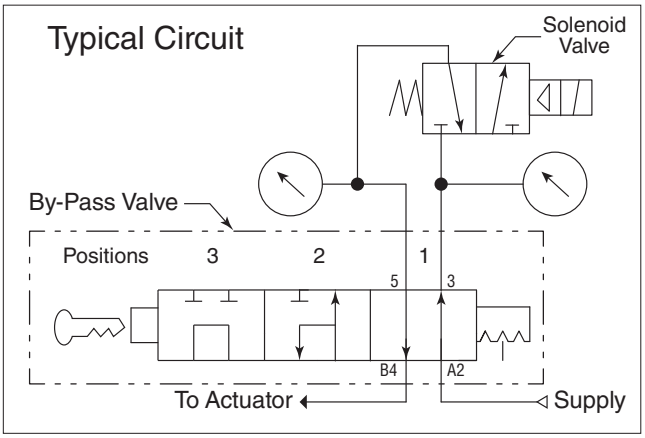
Position 1. This position is the *normal* position or the regular operation mode.

Position 2. This position places the control circuit in the *test* mode. In this position the bypass valve allows pressure to the circuit for testing while maintaining pressure on the actuator. With pressure to solenoid inlet and solenoid circuit outlet blocked/isolated this position allows complete testing of solenoid circuit while not shutting down the system.

Position 3. This position places the control system in a replace mode. Should it be determined that a component in the control circuit needs to be repaired and or replaced this position allows total isolation from pressure while still holding system pressure to actuator.

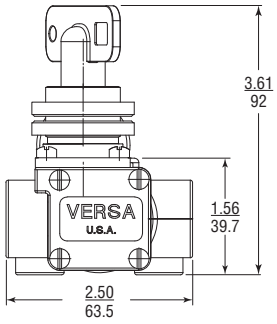
Based on Versa proven V-316 series high flow valve. Actuation is available as a rotary switch or key operated. Optional position indication available.

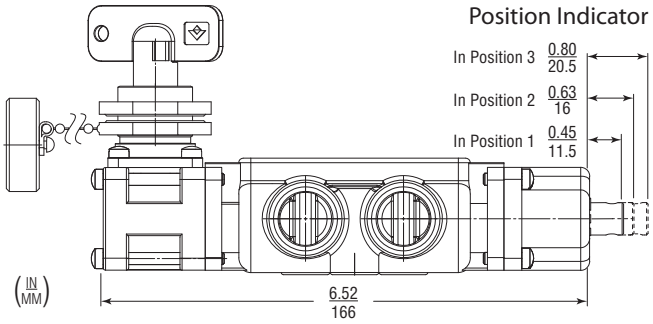




Dimension Drawing

VAU-450X-316-314E***-9E-2039
is shown with key actuation
and optional position indicator.





Description:	Solenoid Bypass valve
Part number:	
Key:	VAU-450X-316-314E***-2039 (*** = key code assigned at factory)
Rotary switch:	VAU-450X-316-357E-2039
Function:	Custom circuit, 3 position, see symbol

Actuator:	Manual, detented
Pressure:	0 to 200 psi 0- 14 bar
Flow:	5.5 Cv in normal position
Temperature:	5ºF (-15ºC) to 300ºF (149ºC)
Ports:	½ npt

Materials;	
Body:	316 stainless steel
Actuators:	316 stainless steel
Seals:	FKM
Options:	
Position indicator:	Suffix -9E

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