
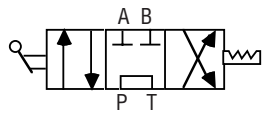
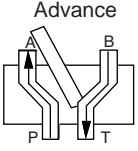
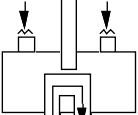
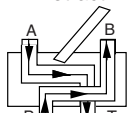

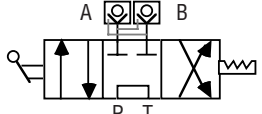
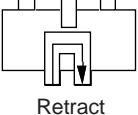
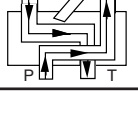
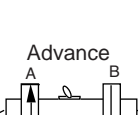

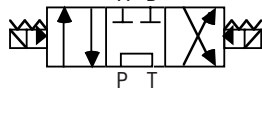

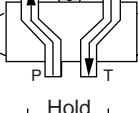
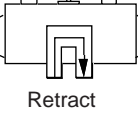

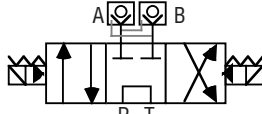
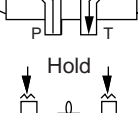
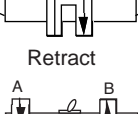
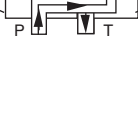

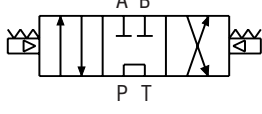
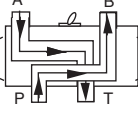

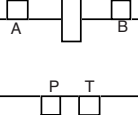

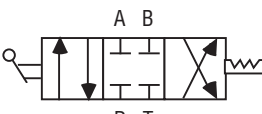
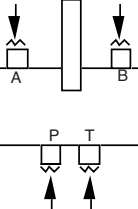

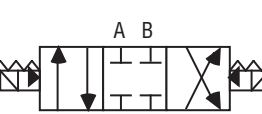
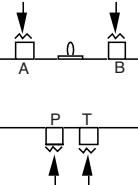


For Double-Acting Cylinders & Tools

PUMP MOUNTED VALVES		Hydraulic Schematic	Functional Flow Schematic
	<p>■ VP4 Pump mounted 3 position 4 way valve is used with double-acting cylinders and tools. This valve controls direction of oil for advancing, holding & retracting. The center position holds the load with the pump motor running or off.</p>		<p>Advance</p>  <p>Hold</p>  <p>Retract</p> 
	<p>■ VPL4 Pump mounted 3 position 4 way valve is the same as VP4, but with a built in pilot check valve. The VPL4 provides positive load holding in the center position, and will not allow pressure drop while shifting. Recommended for prestressing and precision holding applications.</p>		<p>Advance</p>  <p>Hold</p>  <p>Retract</p> 
	<p>■ VPS4 Pump mounted electric solenoid actuated 3 position 4 way valve with remote pendant switch. Same as VP4, but allows remote operation of directional control.</p>		<p>Advance</p>  <p>Hold</p>  <p>Retract</p> 
	<p>■ VPSL4 Pump mounted electric solenoid actuated 3 position 4 way valve with remote pendant switch functions the same as VPS4, but with a built in pilot operated check valve. The VPSL4 provides positive load holding in the center position, and will not allow pressure drop while shifting.</p>		<p>Advance</p>  <p>Hold</p>  <p>Retract</p> 
	<p>■ VPA4 Pump mounted air solenoid actuated 3 position 4 way valve with remote pendant switch. Same as VP4, but allows remote operation of directional control.</p>		<p>Advance</p>  <p>Hold</p>  <p>Retract</p> 
REMOTE MOUNTED VALVES			
	<p>■ VR4 & VR4CC VR4 is the same as VP4, except for inline mounting. VR4CC is the same valve except all ports are closed in the center position. <i>VR4 hydraulic schematic same as VP4.</i></p>	<p>VR4CC</p> 	
	<p>■ VRS4 & VRS4CC VRS4 is the same as VPS4 except for inline mounting. VRS4CC is the same valve except all ports are closed in the center position. <i>VRS4 hydraulic schematic same as VPS4.</i></p>	<p>VRS4CC</p> 	

All remote valves have threaded mounting holes (see page 64).