
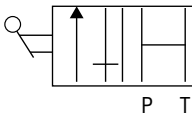
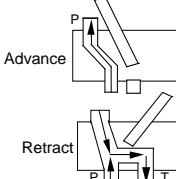

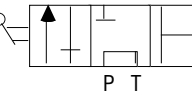
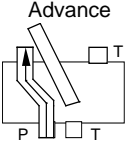

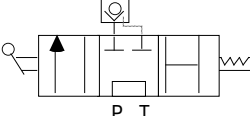
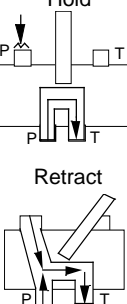

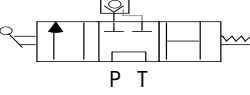
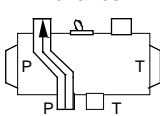


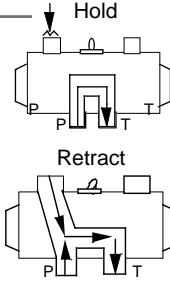

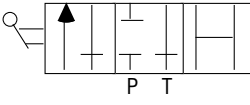
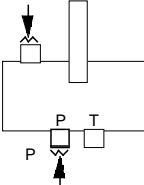

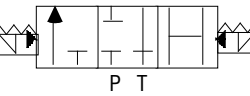
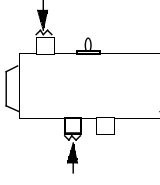

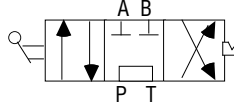
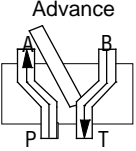
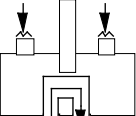
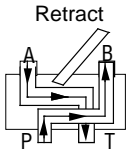

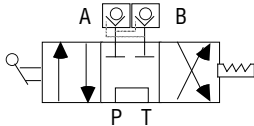
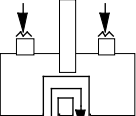
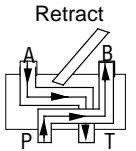

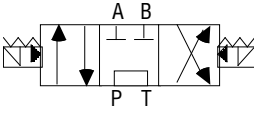
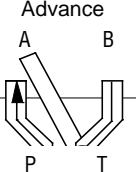
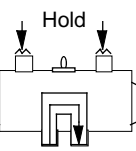
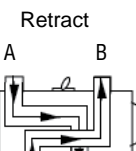

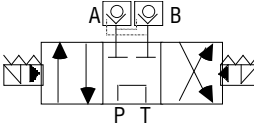
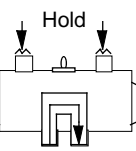
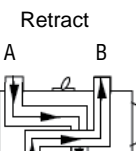

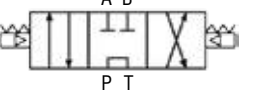
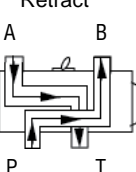

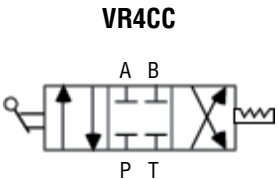
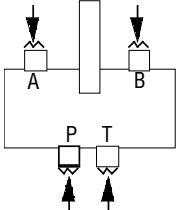



Model	Description	Hydraulic Schematic	Functional Flow Schematic
	Pump mounted, 2 position, 2 way valve is ideal for pressing, punching, crimping, staking or pulling applications when load holding is not needed.		
	Pump mounted, 3 position, 3 way valve is commonly used with single-acting cylinders for lifting applications or production work. The center position holds the load with the pump motor on or off.		
	Pump mounted, 3 position, 3 way valve is the same as VP3, but with a built in pilot check valve. The VPL3 provides positive load holding in the center position, and will not allow pressure drop while shifting. Recommended for prestressing, post tensioning and precision holding applications.		
	Pump mounted, electric solenoid actuated, 3 position, 3 way valve with remote pendant switch allows remote operation of system directional control. For 230V, Use Model Number VPS32		
	Pump mounted, electric solenoid actuated, 3 position, 3 way valve with remote pendant switch is the same as the VPS3, but with a built in pilot operated check valve. The VPSL31 provides positive load holding in the center position, and will not allow pressure drop while shifting. For 230V, Use Model Number VPSL32		
Remote Mounted Valves - For Single Acting Cylinders & Tools			
	VRM3 is remote mounted, manual valve, 3 position, 3 way tandem center. (reference VP3 schematic) VR3CC is remote mounted, manual valve, 3 position, 3 way closed center.		
	VRS31 is remote mounted, solenoid valve, 3 position, 3 way tandem center. (reference VPS31 schematic) For 230V, Use Model Number VRS32 VRS31CC is remote mounted, solenoid valve, 3 position, 3 way closed center. For 230V, Use Model Number VRS32CC		

Model	Description	Hydraulic Schematic	Functional Flow Schematic
	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.		 Advance  Hold  Retract
	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.		 Retract 
	VPS41 Pump mounted, electric solenoid actuated, 3 position, 4 way valve with remote pendant switch. Same as VP4, but allows remote operation of directional control. <i>For 230V, Use Model Number VPS42</i>		 Advance  Hold  Retract
	VPSL41 Pump mounted, electric solenoid actuated, 3 position, 4 way valve with remote pendant switch functions the same as VPS41, but with a built in pilot operated check valve. The VPSL41 provides positive load holding in the center position, and will not allow pressure drop while shifting. <i>For 230V, Use Model Number VPSL42</i>		 Retract 
	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.		
Remote Mounted Valves - For Double Acting Cylinders & Tools			
	VR4 is remote mounted, manual valve, 3 position, 4 way tandem center. (reference VP4 schematic) VR4CC is remote mounted, manual valve, 3 position, 4 way closed center.		
	VRS41 is remote mounted, solenoid valve, 3 position, 4 way tandem center. (reference VPS41 schematic) <i>For 230V, Use Model Number VRS42</i> VRS41CC is remote mounted, solenoid valve, 3 position, 4 way closed center. <i>For 230V, Use Model Number VRS42CC</i>	