

▼ Shown from left to right: V-66, V-9, V-152, V-17, V-42, V-161, V-10, V-82, V-66F



Your Hydraulic Control Solution

▼ The V-152 Pressure relief valve limits the pressure or force developed in the hydraulic system.



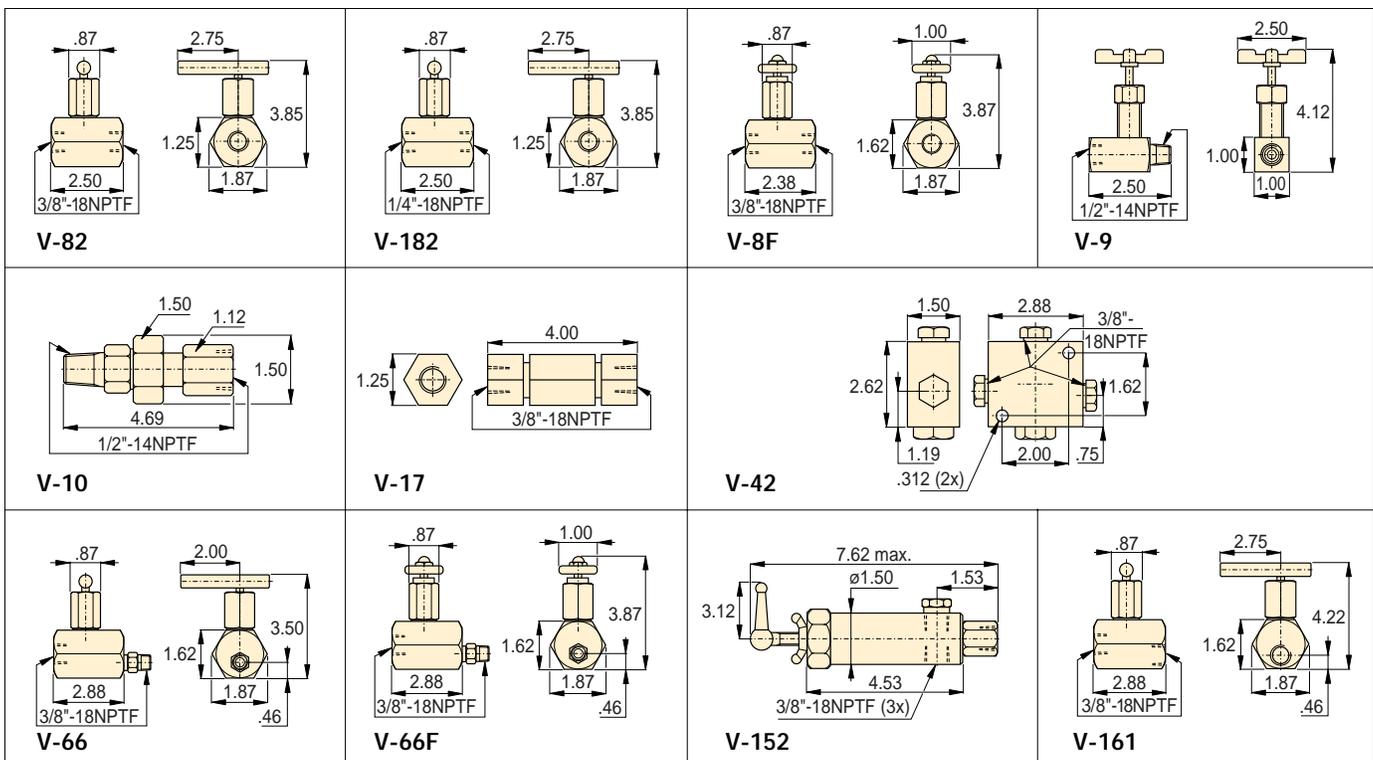
- All valves are rated for 10,000 psi operating pressure
- All valves feature NPTF porting to insure against leakage at rated pressure
- All valves are painted, coated, or plated for corrosion resistance



Valve Applications

To see these valves used in typical hydraulic circuits, please see our "Yellow Pages"

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Valve Dimensions in inches



Premounted Manifold
For two-port manifold with integral flow control valves, see the manifold page of the System Components section.

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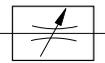
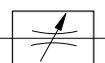
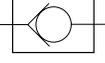
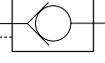
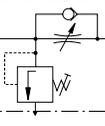
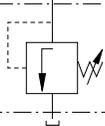
Fittings
For additional fittings see the fitting page of the System Components section.

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V Series



Maximum Operating Pressure:
10,000 psi

Valve Type and Model Number	Description	Hydraulic Symbol
Needle Valve V-82 V-182F V-8F	 <p>V-82: To control cylinder speed. Can also be used as shut-off valve for temporary load holding. V-182: Same as V-82, but with 3/8 NPTF female ports. V-8F: Similar to V-82, but with very fine metering for precise flow control. Not recommended as shut-off valve.</p>	
Snubber Valve V-9	 <p>V-9: Adjustable for metering oil out of a gauge to prevent snapping of gauge pointer when load or pressure is suddenly released. Also suitable as shut-off valve to protect the gauge during high cycling applications. 1/2 NPTF male and female threads for use with GA-1, GA-2 or GA-4 gauge adaptors.</p>	
Auto Damper® Valve V-10	 <p>V-10: To be used when gauge pressure must be monitored during high cycle applications. Creates a flow resistance when load is released suddenly.</p>	
Check Valve V-17	 <p>V-17: Ruggedly built to resist shock and operate with low pressure drop. Closes smoothly without pounding. 3/8 NPTF female ports.</p>	
Pilot Operated Check Valve V-42	 <p>V-42: Can be mounted at the cylinder to hold the load in case of system pressure loss. Normally used with double-acting cylinders where pilot port receives pressure from a Tee-fitting in the cylinder retract line. 3/8 NPTF female ports. Pilot pressure ratio 14% (6.5:1).</p>	
Manually Operated Check Valve V-66 V-66F	 <p>V-66: Used for load holding applications with single and double acting cylinders. Valve is manually opened to allow oil to flow back to tank when cylinder retracts. V-66F: Similar to V-66, but with very fine metering capability for precise flow control.</p>	
Pressure Relief Valve V-152	 <p>V-152: Limits pressure developed by the pump in hydraulic circuit, thus limiting the force created by other components. Valve opens whenever preset pressure is reached.</p> <p>To increase pressure setting, turn handle clockwise. Includes:</p> <ul style="list-style-type: none"> • 3 ft return line hose kit, • ±3% repeatability, • 800-10,000 psi adjustment range. 	
Sequence Valve V-161	 <p>V-161: To control oil flow to a secondary circuit. Flow is blocked until system pressure rises to the V-161 setting. When this pressure level is reached, the V-161 opens to allow flow to the secondary circuit. A pressure differential is always maintained between the primary and secondary circuit. Min. operating pressure: 2000 psi.</p>	