

## FULL SYSTEM CONTROL

Hydraulic valves are devices that control different aspects of your hydraulic system's operation. The most common types of valves are **directional control valves**, **flow control valves**, **check valves** and **pressure relief valves**. Once you determine your system requirements, you must select valves that will give your system the operation you desire. Valves can be **pump mounted** or **in-line**. Note: All Simplex pumps come with directional control valves. When selecting a pump, be sure to choose a pump with the appropriate directional control valve. Flow control, check & adjustable pressure relief valves are mounted in line and should be specified as required to obtain the desired system operation.

## DIRECTIONAL CONTROL VALVES

Simplex offers a wide variety of directional control valves. Use the valve selection guide to help determine what valve is best suited for your application.

### Definition of Terms:

#### ■ Manual Valve

Valves that are manually actuated by shifting a hand lever on the valve.

#### ■ Solenoid Valve

Valves that are actuated by electric solenoids that can be controlled by a remote pendant switch.

#### ■ Pump Mounted Valve

Valves that are mounted directly to the pump cover plate.

#### ■ In-Line Valves

Valves that are installed away from the pump, "in-line" in the hydraulic system.

#### ■ 2 or 3 Way Valves

Valves that are used to operate single-acting cylinders or tools.

#### ■ 4 Way Valves

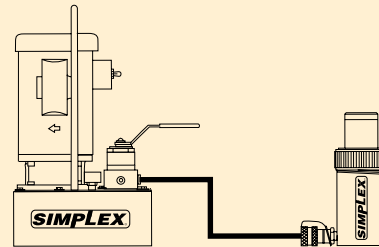
Valves that are used to operate double-acting cylinders or tools.

#### ■ Locking Valves

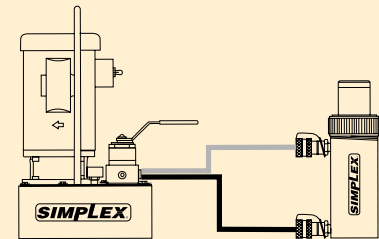
Valves that are used when pressure drop within the system cannot be tolerated while shifting.

## DIRECTIONAL CONTROL VALVES SELECTION GUIDE

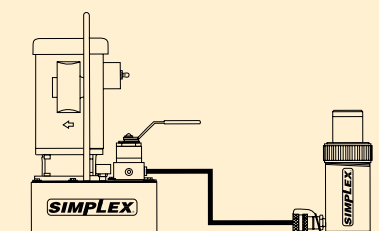
- 2 or 3 way for single-acting cylinders or tools.



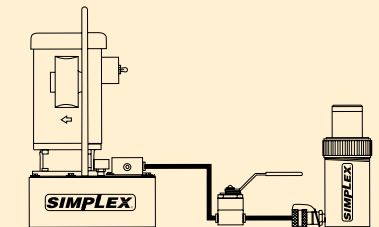
- 4 Way for double-acting cylinders or tools.



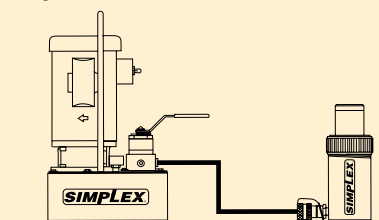
- Pump Mounted.



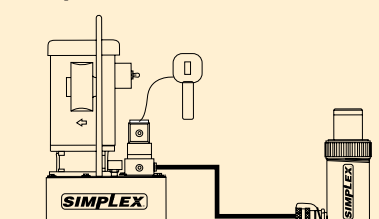
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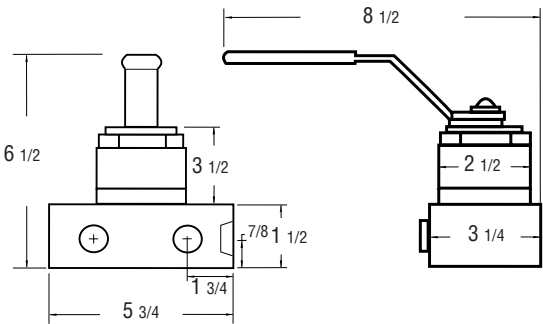
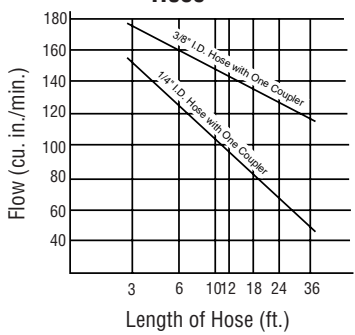
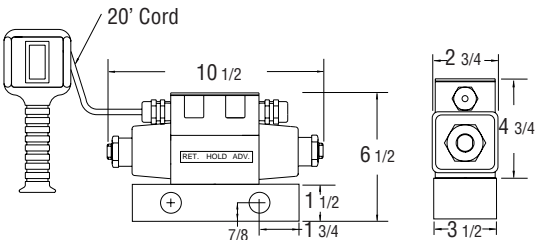
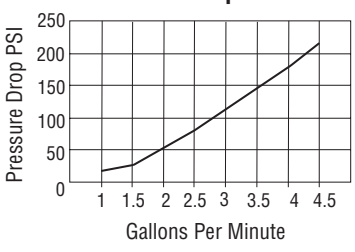
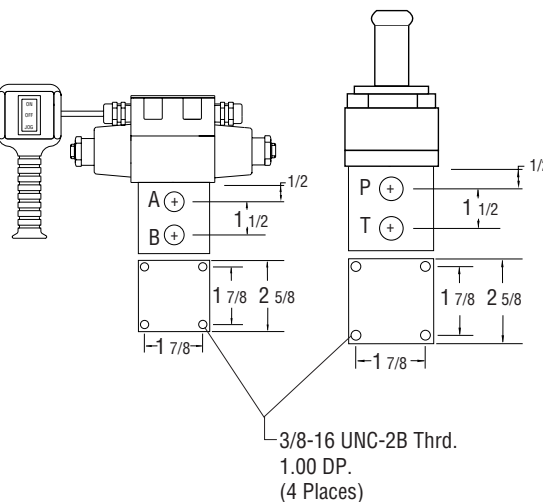
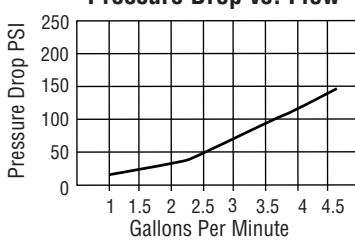
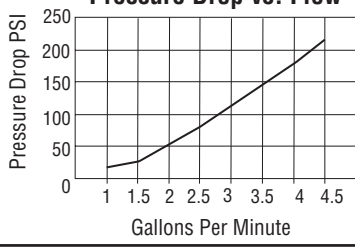


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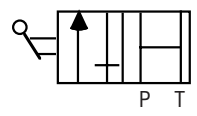
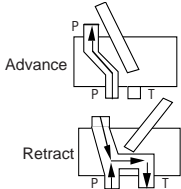

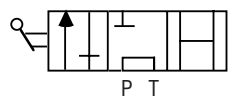
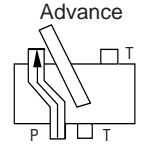

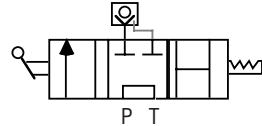
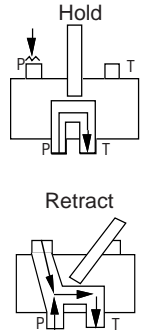

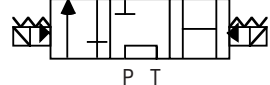
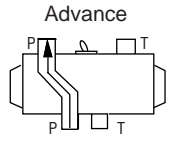

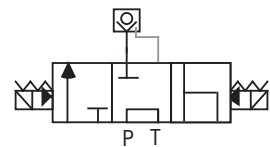
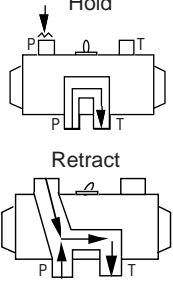

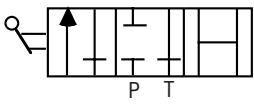
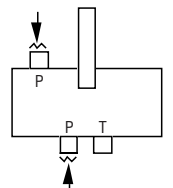

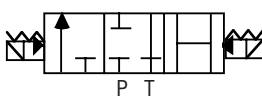
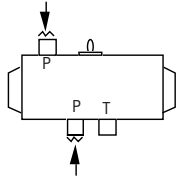


- Solenoid Operated.




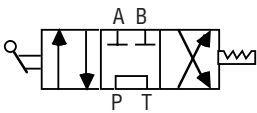
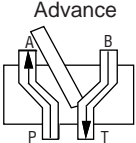
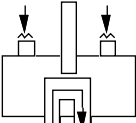
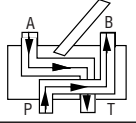

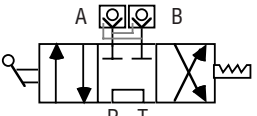
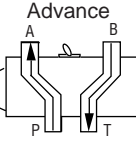
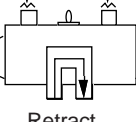
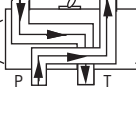

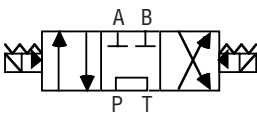
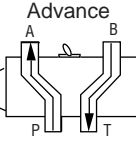
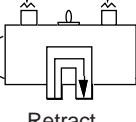
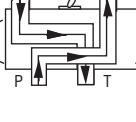

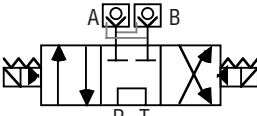
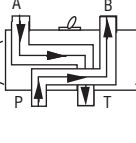
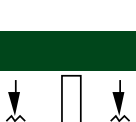
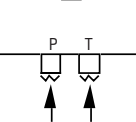

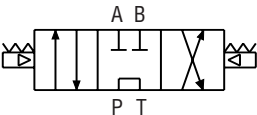
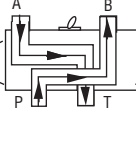
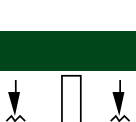
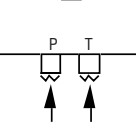

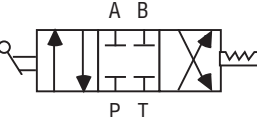
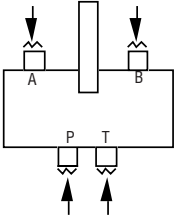

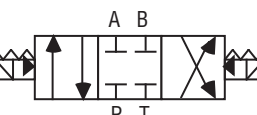
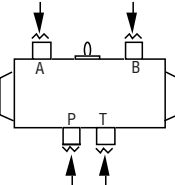
	Description	Oil Flow Chart
<p style="text-align: center;"><b>VP3</b></p> 	<p>The Simplex patented 3 position/3-way, "Suc-O-Matic™" Valve draws hydraulic oil out of any single-acting cylinder. In the retract position, the valve generates enough suction to fully retract any single-acting load return cylinder automatically.</p> <ul style="list-style-type: none"> <li>■ Fully Retract load return cylinders.</li> <li>■ Retracts spring return cylinders up to 33% faster.</li> <li>■ Full retraction regardless of weak springs or mounting.</li> </ul>	<p style="text-align: center;"><b>Retraction Flow vs. Length of Hose</b></p> 
<p style="text-align: center;"><b>VPS3</b></p> 	<p>The Simplex patented Solenoid Valve is available in a 3-way Suc-O-Matic™ version for single-acting cylinders and a 4-way version for double-acting cylinders.</p> <ul style="list-style-type: none"> <li>■ Suc-O-Matic valve capability.</li> <li>■ Long life - Patented construction.</li> <li>■ Largest porting (lowest back pressure) available.</li> <li>■ Optional coils: 12 VDC, 115 VAC, 230 VAC.</li> <li>■ Includes manual override.</li> <li>■ Direct bolt interchange with Simplex manual valves.</li> <li>■ Designed to handle surge flow conditions.</li> <li>■ Comes equipped with 6 meter cord and pendant switch.</li> </ul>	<p style="text-align: center;"><b>Pressure Drop vs. Flow</b></p> 
<p style="text-align: center;"><b>REMOTE VALVES</b></p> 	<p>Both Simplex manual &amp; solenoid valves are available for remote or inline application. Remote valves are perfect for multiple operating systems, or special fixturing and mounting applications. They are available with tandem or closed centers.</p> <ul style="list-style-type: none"> <li>■ Available in manual or solenoid.</li> <li>■ Includes mounting holes.</li> <li>■ Available in closed center or tandem.</li> <li>■ Ideal for independent control of two or more cylinders.</li> </ul> <p><i>*Remote versions do not include retract feature.</i></p>	<p style="text-align: center;"><b>Remote Manual Valve Pressure Drop vs. Flow</b></p>  <p style="text-align: center;"><b>Remote Solenoid Valve Pressure Drop vs. Flow</b></p> 

## For Single-Acting Cylinders & Tools


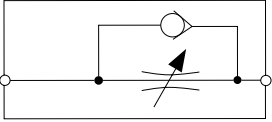

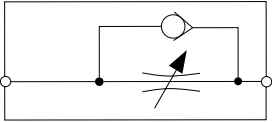

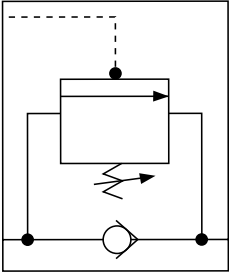

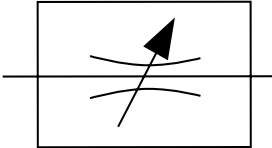

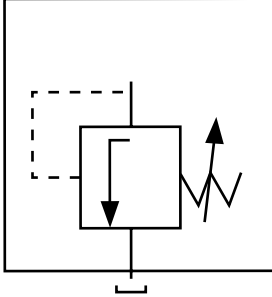

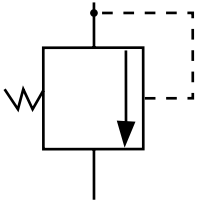
PUMP MOUNTED VALVES		Hydraulic Schematic	Functional Flow Schematic
	<ul style="list-style-type: none"> <li>VP2 Pump mounted 2 position 2 way valve is ideal for pressing, punching, crimping, staking or pulling applications when load holding is not needed.</li> </ul>		
	<ul style="list-style-type: none"> <li>VP3 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.</li> </ul>		
	<ul style="list-style-type: none"> <li>VPL3 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 <b>prestressing, post tensioning and precision holding applications</b>.</li> </ul>		
	<ul style="list-style-type: none"> <li>VPS3 Pump mounted electric solenoid actuated 3 position 3 way valve with remote pendant switch allows remote operation of system directional control.</li> </ul>		
	<ul style="list-style-type: none"> <li>VPSL3 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 VPSL3 provides positive load holding in the center position, and will not allow pressure drop while shifting.</li> </ul>		
REMOTE MOUNTED VALVES			
	<ul style="list-style-type: none"> <li>VR3 &amp; VR3CC VR3 is the same as VP3, except for inline mounting. VR3CC is the same valve except all ports are closed in the center position. <i>VR3 hydraulic schematic same as VP3.</i></li> </ul>	<p>VR3CC</p> 	
	<ul style="list-style-type: none"> <li>VRS3 &amp; VRS3CC VRS3 is the same as VPS3 except for inline mounting. VRS3CC is the same valve except all ports are closed in the center position. <i>VRS3 hydraulic schematic same as VPS3.</i></li> </ul>	<p>VRS3CC</p> 	

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

## For Double-Acting Cylinders & Tools

<b>PUMP MOUNTED VALVES</b>		Hydraulic Schematic	Functional Flow Schematic
	<ul style="list-style-type: none"> <li> <b>VP4</b> Pump mounted 3 position 4 way valve is used with double-acting cylinders and tools. This valve controls direction of oil for advancing, holding &amp; retracting. The center position holds the load with the pump motor running or off.                 </li> </ul>		<p>Advance</p>  <p>Hold</p>  <p>Retract</p> 
	<ul style="list-style-type: none"> <li> <b>VPL4</b> 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 <b>prestressing and precision holding applications</b>.                 </li> </ul>		<p>Advance</p>  <p>Hold</p>  <p>Retract</p> 
	<ul style="list-style-type: none"> <li> <b>VPS4</b> Pump mounted electric solenoid actuated 3 position 4 way valve with remote pendant switch. Same as VP4, but allows remote operation of directional control.                 </li> </ul>		<p>Advance</p>  <p>Hold</p>  <p>Retract</p> 
	<ul style="list-style-type: none"> <li> <b>VPSL4</b> 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.                 </li> </ul>		<p>Advance</p>  <p>Hold</p>  <p>Retract</p> 
	<ul style="list-style-type: none"> <li> <b>VPA4</b> Pump mounted air solenoid actuated 3 position 4 way valve with remote pendant switch. Same as VP4, but allows remote operation of directional control.                 </li> </ul>		<p>Advance</p>  <p>Hold</p>  <p>Retract</p> 
<b>REMOTE MOUNTED VALVES</b>			
	<ul style="list-style-type: none"> <li> <b>VR4 &amp; VR4CC</b> 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> </li> </ul>	<p><b>VR4CC</b></p> 	
	<ul style="list-style-type: none"> <li> <b>VRS4 &amp; VRS4CC</b> 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> </li> </ul>	<p><b>VRS4CC</b></p> 	

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

	Description	Hydraulic Schematic
	<p>■ <b>V10E Check Valve</b> automatically locks load in raised position as plunger is being extended. Protects against dropping the load due to pressure loss. Required for multiple cylinder lifting from one source. (Includes Hex Nipple).</p>	
	<p>■ <b>V10EC Check Valve</b> is a V10E with polarized high flow couplers for direct, rapid mounting to cylinder couplers.</p>	
	<p>■ <b>V2 Over Center Check Valve</b> can be mounted at the cylinder to hold the load in the event of system failure. Unlike other piloted check valves, the V2 provides controlled retraction without "chatter". <b>Note: When used in multiple cylinder systems, contact Simplex for minimum pump requirements.</b></p>	
	<p>■ <b>V5B Shut-Off Valve</b> is a needle-type valve for sustained load-holding and flow control. Use for positive shut-off or throttling.</p>	
	<p>■ <b>V1 In-line Adjustable Relief Valve</b> is for in-line mounting into hydraulic systems. Accurately controls maximum pressure from 800 to 10,000 psi. Turn handle until gauge indicates desired working pressure - tighten lock nut. Valve automatically opens and bypasses excess flow from system when preset pressure is reached.</p>	
	<p>■ <b>V3 Safety Relief Valve</b> threads into top port of double-acting cylinders, or inline on hydraulic systems, for protection against over pressurizing. Pressure rating is 10,500 psi.</p>	

**Note:** All Valves Have 3/8" NPTF Ports.



## 3/8" & 1/4" NPTF HIGH-FLOW COUPLERS

### 3/8" NPTF



C213-Hose Half Coupler



C211-Ram Half Coupler



CR215 Dust Cap



C209 Coupler Complete with 2 Dust Caps

These premium grade couplers provide maximum fluid flow and are plated to resist corrosion. Cylinder Half Couplers have male 3/8" NPTF threads & high strength rubber dust caps; Hose Half Couplers have female 3/8" NPTF threads.

### 1/4" NPTF



CT201-Ram Half Coupler



CT202 Hose Half Coupler



CT200 Coupler Complete with 2 Dust Caps

For use on smaller tools, pumps and any tool with 1/4" threads. These couplers are plated to resist corrosion. Cylinder Half Couplers have male 1/4" NPTF threads; Hose Half Couplers have female 1/4" NPTF threads.

## 3/8" & 1/4" NPTF FLUSH FACE/NO SPILL COUPLERS

### 3/8" NPTF



C513-Hose Half Coupler



C511-Ram Half Coupler



C515-Dust Cap Ram Half



C516-Dust Cap Hose Half



C509 Coupler Complete with 2 Dust Caps

Unique flush face design features push to connect operation with a sleeve lock, and non-spill "dry" disconnect operation. Easy cleaning minimizes system contamination. This coupler should be used wherever oil spillage constitutes a safety or environmental hazard. Couplers have 3/8" NPTF threads.

### 1/4" NPTF



CT210 Hose Half Coupler with Dust Cap



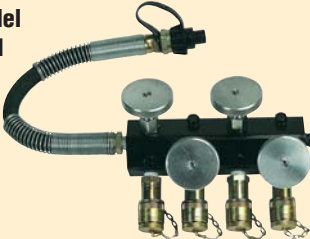
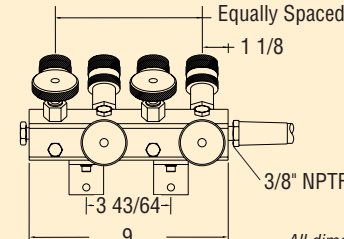

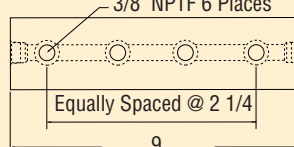

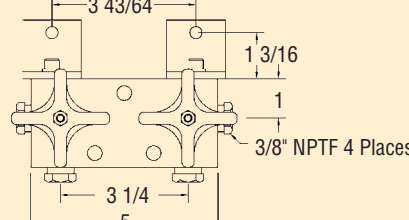

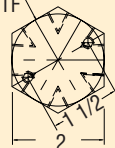
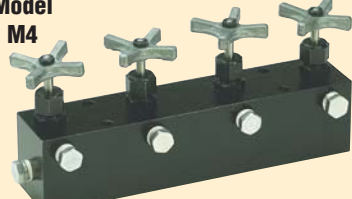
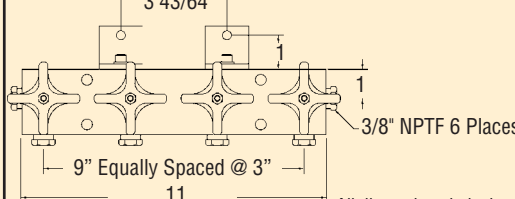
CT211 Ram Half Coupler with Dust Cap













CT212 Coupler Complete with 2 Dust Caps

Unique flush face design features push to connect operation with an auto lock sleeve on the CT211, and non-spill "dry" disconnect operation. Easy cleaning minimizes system contamination. This coupler should be used wherever oil spillage constitutes a safety or environmental hazard. Couplers have 1/4" NPTF threads.

## HIGH PRESSURE MANIFOLDS

<p><b>Model M1</b></p> 	<p>• <b>Pump Mounted 4 Cylinder Control Manifold Kit:</b> The M1 control manifold incorporates (4) station shut-off/flow control valves, 3' hose, gauge port, (4) high flow couplers and pump mounting hardware. Two or more manifolds can be coupled together for larger systems. <b>For replacement hose order #89521.</b></p>	 <p>Equally Spaced @ 2 63/64 + 1 1/8 3/8" NPTF 9 3 43/64 All dimensions in inches.</p>
<p><b>Model M2</b></p> 	<p>• <b>Pump Mounted 4 Cylinder Manifold Kit:</b> The M2 manifold includes 2' hose and pump mounting hardware. Two or more manifolds can be coupled together for larger systems. <b>For replacement hose order #89521.</b></p>	 <p>3/8" NPTF 6 Places Equally Spaced @ 2 1/4 9 All dimensions in inches.</p>
<p><b>Model M2A</b></p> 	<p>• <b>Pump Mounted 2 Cylinder Control Manifold Kit:</b> The M2A control manifold incorporates (2) station shut-off/flow control valves. Two or more manifolds can be coupled together for larger systems.</p>	 <p>3 43/64 1 3/16 1 3/8" NPTF 4 Places 3 1/4 5 All dimensions in inches.</p>
<p><b>Model M3</b></p> 	<p>• <b>6 Port Inline Hex Manifold:</b> The M3 inline hex manifold features (6) - 3/8" NPTF threaded ports &amp; mounting holes.</p>	 <p>3/8" NPTF 1 1/2 2 All dimensions in inches.</p>
<p><b>Model M4</b></p> 	<p>• <b>Pump Mounted 4 Cylinder Control Manifold Kit:</b> The M4 control manifold incorporates (4) station shut-off/flow control valves. Two or more manifolds can be coupled together for larger systems.</p>	 <p>3 43/64 1 3/8" NPTF 6 Places 9" Equally Spaced @ 3" 11 All dimensions in inches.</p>

## 3/8" NPTF HIGH-PRESSURE 10,000 PSI FITTINGS

Hex Nipple	3" Nipple	6" Nipple	90° Elbow	90° St. Elbow	Tee	Coupling	Cross	3/8" M to 1/4" F	1/4" M to 3/8" F
									
F1	F3	F6	F7	F9	F11	F13	F15	F16	F17

## SIMPLEX HYDRAULIC OIL

Model Number	Hydraulic Oil Qty.
A01	1 Gallon
A05	5 Gallons
A012	12 Quarts
A055	55 Gallons

Special, high pressure formulated, premium grade oil for all Simplex hydraulic products. High viscosity index insures maximum lubricity over a wide range of operating temperatures.



Viscosity Index	100 min.
VIS, SSU @100° F	150 - 155
VIS, SSU @ 210° F	45 - 50
VIS, SSU @ 0° F	< 15,000
Pour Point	-50° F
Flash Point	400° F
Aniline Point	204.8° F
Includes: Anti-Foam, Anti-Rust and Low Temperature Additives	

All Simplex hoses have 3/8" male NPTF threads. Special lengths are available upon request.

■ **H & HC Series** industrial grade 1/4" I.D. hose is rated at **10,000 psi operating pressure and 20,000 psi minimum burst pressure**. This hose is the recommended choice for hand pump & cylinder sets, as well as a wide range of other intermittent applications.



Model Number	Length (Ft.)	Hose End	Hose End	I.D. (in)
H3	3			1/4
H6	6			
H10	10			
H20	20			
H36	36			
H50	50	3/8" NPTF Male	3/8" NPTF Male	
HC3	3			
HC6	6			
HC10	10			
HC20	20	3/8" NPTF Male	C213 Coupler*	
HC36	36			
HC50	50	C213 Coupler*	C213 Coupler*	

\*All hoses with couplers includes CR215 Dust Cap.

■ **High Flow HD & HDC Series 3/8" I.D.** hose is recommended to achieve higher retraction speeds and minimal flow restrictions. These heavy duty hoses are rated at **10,000 psi with a minimum burst pressure of 30,000 psi**.

Model Number	Length (Ft.)	Hose End	Hose End	I.D. (in)
HD3	3			3/8
HD6	6			
HD10	10			
HD20	20			
HD50	50	3/8" NPTF Male	3/8" NPTF Male	
HDC3	3			
HDC6	6			
HDC10	10			
HDC20	20	3/8" NPTF Male	C213 Coupler*	
HDC50	50	C213 Coupler*	C213 Coupler*	

\*All hoses with couplers includes CR215 Dust Cap.

Note: Recommended for use with Suc-O-Matic Pumps.



In this fixed outdoor application Simplex hand pumps and hoses are permanently attached to this mineral processing machine. "The desert environment is tough on hydraulic equipment. Simplex provides us the reliability we need."





■ **Thermo-Plastic HP & HPC Series Hoses** are recommended for demanding applications. Along with their distinctive green color, the HP & HPC series hoses boast a 10,000 psi working, 40,000 psi minimum burst, (4:1 safety factor) and a tough polyurethane outer cover that resists abrasion and wear. Well suited for continuous duty, the reinforced polyester and carbon steel wire design contributes to low volume expansion, minimized fatigue and enhanced system efficiencies.

Model Number	Length (Ft.)	Hose End	Hose End	I.D. (in)
HP3	3	3/8" NPTF Male	3/8" NPTF Male	1/4
HP6	6			
HP10	10			
HP20	20			
HP36	36			
HP50	50	C213 Coupler*	C213 Coupler*	
HPC3	3			
HPC6	6			
HPC10	10			
HPC20	20			
HPC36	36	C213 Coupler*	C213 Coupler*	
HPC50	50			

\*All hoses equipped with C213 Coupler also includes a CR215 Dust Cap.

■ **Non-Conductive Thermo Plastic HR & HRC Series Hoses** are for those special applications where non-conductivity is a must. The HR & HRC series hose operates at 10,000 psi working and 40,000 psi burst, (4:1 safety factor). Light weight and durable, the multi-layered design complies with M.H.I. I.J.100 hose specifications. Orange in color, the HR and HRC are easily identified from standard conductive hoses.

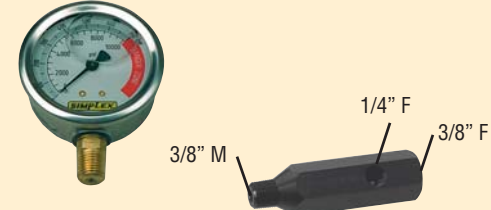
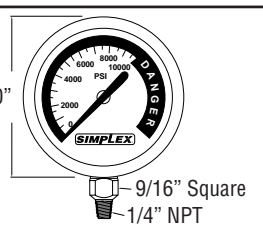

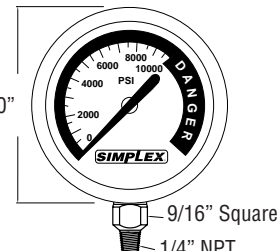

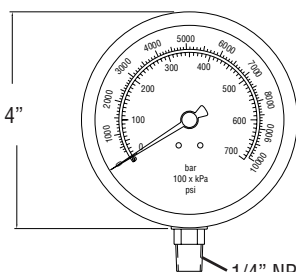

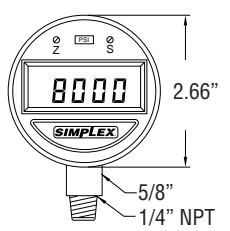

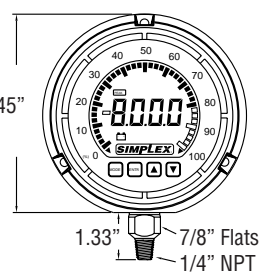
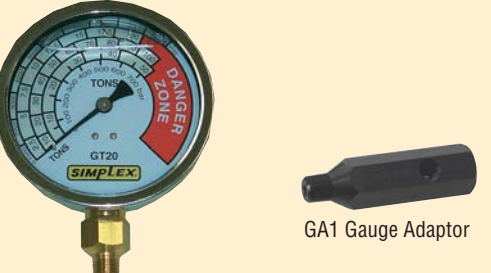
Model Number	Length (Ft.)	Hose End	Hose End	I.D. (in)
HR3	3	3/8" NPTF Male	3/8" NPTF Male	1/4
HR6	6			
HR10	10			
HR20	20			
HRC3	3	3/8" NPTF Male	C213 Coupler*	
HRC6	6			
HRC10	10			
HRC20	20			

\*All hoses equipped with C213 Coupler also includes a CR215 Dust Cap.

■ **Heavy Duty HE & HEC Series Hoses** are for demanding and continuous duty applications that require 10,000 psi working and 40,000 psi burst, (4:1 safety factor) but where rubber coated, steel wire braid design is preferred. These hoses are well suited in operating temperatures up to 150° F.

Model Number	Length (Ft.)	Hose End	Hose End	I.D. (in)
HE6	6	3/8" NPTF Male	3/8" NPTF Male	1/4
HE10	10			
HE20	20			
HEC6	6	3/8" NPTF Male	C213 Coupler*	
HEC10	10			
HEC20	20			

\*All hoses equipped with C213 Coupler also includes a CR215 Dust Cap.

 <p>G5 2.1/2" Gauge 500 PSI Increment</p> <p>GA1 Gauge Adaptor</p>	<p><b>Description</b></p> <p>The G5 is a high quality compact liquid filled gauge that reads in both PSI and Bar. Liquid filled to dampen needle vibration, the G5 is perfect for applications up to 10,000 psi.</p> <ul style="list-style-type: none"> <li>■ Liquid filled dampens needle vibration.</li> <li>■ ±1% full scale accuracy.</li> <li>■ 500 psi increment.</li> <li>■ Stainless steel casing.</li> </ul>	<p><b>Dimensions</b></p>  <p>2.50" - 9/16" Square - 1/4" NPT</p>																										
 <p>G6 4" Gauge 500 PSI Increment</p> <p>GA1 Gauge Adaptor</p>	<p>The G6 is a larger, easy to read liquid filled gauge that's in both PSI and Bar with increments of 500 psi. The calibrated scale reads from 0-10,000 psi with 10,000 psi to 15,000 psi as a warning zone.</p> <ul style="list-style-type: none"> <li>■ Liquid filled dampens needle vibration.</li> <li>■ ±1% full scale accuracy.</li> <li>■ Large easy to read 4" face.</li> <li>■ Rubber blowout plugs for safety.</li> <li>■ Stainless steel casing.</li> </ul>	<p>4.00"</p>  <p>- 9/16" Square - 1/4" NPT</p>																										
 <p>G7 4" Gauge 100 PSI Increment</p> <p>GA1 Gauge Adaptor</p>	<p>The G7 is a larger, easy to read liquid filled gauge that's in both PSI and Bar with increments of 100 PSI/10bar. The calibrated scale reads from 0-10,000 psi.</p> <ul style="list-style-type: none"> <li>■ Liquid filled dampens needle vibration.</li> <li>■ ±1% full scale accuracy.</li> <li>■ Large easy to read 4" face.</li> <li>■ Rubber blowout plugs for safety.</li> <li>■ Stainless steel casing.</li> <li>■ Standard on all Simplex Torque Wrench Pumps.</li> </ul>	<p>4"</p>  <p>1/4" NPT</p>																										
 <p>GD1 2 1/2" Digital Gauge</p> <p>GA1 Gauge Adaptor</p>	<p>The GD1 is designed for the high cycle pressure application where mechanical gauges don't hold up. The GD1 is a direct mount, compact gauge with an all stainless steel sensor that is vibration &amp; shock resistant.</p> <ul style="list-style-type: none"> <li>■ Self powered Lithium batteries.</li> <li>■ Full 4 digit display.</li> <li>■ ±.25% full scale accuracy.</li> <li>■ 10 million cycle life minimum.</li> </ul>	 <p>2.66" 5/8" 1/4" NPT</p>																										
 <p>GD2 4" Digital Gauge</p> <p>GA1 Gauge Adaptor</p>	<p>The GD2 digital gauge combines the best features of analog and digital instruments. The 0.75" high full 4 digit display is easily read at a distance and the "analog" bar graph allows instant estimation of changing pressures. The all stainless steel sensor is vibration and shock resistant.</p> <ul style="list-style-type: none"> <li>■ 0.75" characters and 270° bar graph "analog" readout.</li> <li>■ Splash proof phenolic housing.</li> <li>■ ±.25% full scale accuracy.</li> <li>■ Keypad enable/disable of peak high or peak low hold.</li> </ul>	<p>5.45"</p>  <p>1.33" 7/8" Flats 1/4" NPT</p>																										
 <p>Tonnage Gauge</p> <p>GA1 Gauge Adaptor</p>	<table border="1"> <thead> <tr> <th>Model Number</th> <th>Calibrated Range (0-10,000 psi) and Tons</th> <th>Face Dia. (in)</th> <th>Cylinders Used With</th> </tr> </thead> <tbody> <tr> <td>GT5</td> <td>0 - 5, 10, 15</td> <td rowspan="7">4</td> <td>All 5, 10 &amp; 15 Ton Models</td> </tr> <tr> <td>GT20</td> <td>0 - 20, 50</td> <td>All 20 RFS &amp; RLS 50 Ton Models</td> </tr> <tr> <td>GT25</td> <td>0 - 25, 55, 100</td> <td>All 25, 55 &amp; RFS &amp; RLS 100 Ton Models</td> </tr> <tr> <td>GT30</td> <td>0 - 30, 50, 100</td> <td>30 Ton Models, 50 &amp; 100 RLR &amp; RLN</td> </tr> <tr> <td>GT100</td> <td>0 - 100, 150, 200</td> <td>RDA100 &amp; 200 Series, RLR &amp; RLN 150 &amp; 200</td> </tr> <tr> <td>GTH12</td> <td>0 - 12, 20, 30</td> <td>12, 20 &amp; 30 Ton RC &amp; RCD Series</td> </tr> <tr> <td>GTH60</td> <td>0 - 60, 100, 150</td> <td>60, 100, &amp; 150 Ton RC &amp; RCD Series</td> </tr> </tbody> </table>	Model Number	Calibrated Range (0-10,000 psi) and Tons	Face Dia. (in)	Cylinders Used With	GT5	0 - 5, 10, 15	4	All 5, 10 & 15 Ton Models	GT20	0 - 20, 50	All 20 RFS & RLS 50 Ton Models	GT25	0 - 25, 55, 100	All 25, 55 & RFS & RLS 100 Ton Models	GT30	0 - 30, 50, 100	30 Ton Models, 50 & 100 RLR & RLN	GT100	0 - 100, 150, 200	RDA100 & 200 Series, RLR & RLN 150 & 200	GTH12	0 - 12, 20, 30	12, 20 & 30 Ton RC & RCD Series	GTH60	0 - 60, 100, 150	60, 100, & 150 Ton RC & RCD Series	
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GT25	0 - 25, 55, 100		All 25, 55 & RFS & RLS 100 Ton Models																									
GT30	0 - 30, 50, 100		30 Ton Models, 50 & 100 RLR & RLN																									
GT100	0 - 100, 150, 200		RDA100 & 200 Series, RLR & RLN 150 & 200																									
GTH12	0 - 12, 20, 30		12, 20 & 30 Ton RC & RCD Series																									
GTH60	0 - 60, 100, 150		60, 100, & 150 Ton RC & RCD Series																									