

COMMON SYMBOLS

Valve Actuators



Solenoid



Detent



Spring



Manual



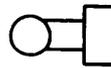
Push Button



Push-Pull Lever



Pedal



Mechanical



Pressure Compensated



Pilot Pressure Remote Supply



Liquid Supply

Accessories



Filter



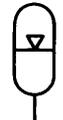
Cooler



Heater



Temperature Controller



Accumulator Hydro-Pneumatic



Reversing Motor



Station or Test Point



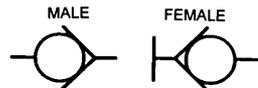
Pressure Indicator



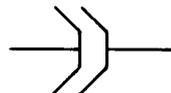
Temperature Indicator



Pressure Switch



Quick Disconnects (Disconnected)



Connection (Shows Option or Attachment)

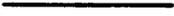
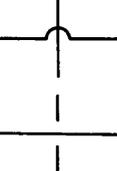


Commercial Products

Hydraulic Schematic Pocket Guide

© The Toro Company – 1996

COMMON SYMBOLS
Lines and Line Functions

	Solid Line Main Line
	Dashed Line Pilot or Signal Line
	Enclosure Outline
	Lines Crossing
	Lines Joining
	Liquid Supply
	Gaseous Supply
	Flexible Line
Mechanical Devices	
	Mechanical Connections Two Parallel Lines (Shafts, Levers, etc)
	Variable Component (Run Arrow through Symbol at 45 degrees)
	Spring

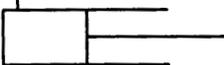
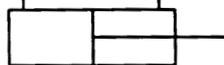
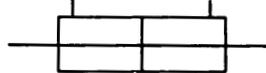
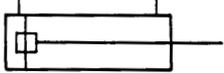
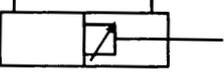
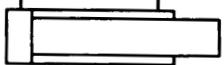
Pumps and Motors

	Hydraulic Pump Fixed Displacement
	Variable Displacement
	Pressure Compensated Variable Displacement Pump
	Fixed Displacement Hydraulic Pump (Two Directional Flow)
	Hydraulic Motor Fixed Displacement
	Hydraulic Motor Variable Displacement
	Hydraulic Oscillator

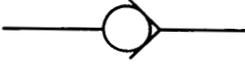
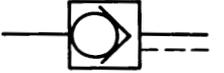
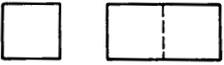
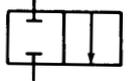
Reservoirs

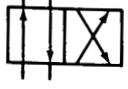
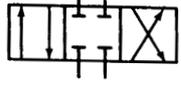
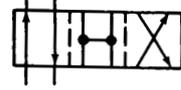
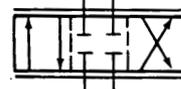
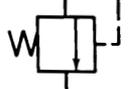
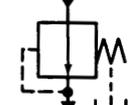
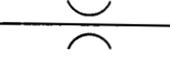
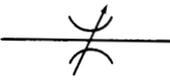
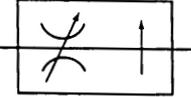
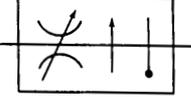
	Reservoir Open to Atmosphere
	Pressurized
	Line to Reservoir Below Fluid Level
	Line to Reservoir Above Fluid Level

COMMON SYMBOLS
Cylinders

	Single Acting
	Double Acting Single Rod End
	Double Rod End
	Single Rod End Fixed Cushion Both Ends
	Single Rod End Adjustable Cushion Rod End Only
	Differential Cylinder

Valves

	Check
	Pilot Operated Check
	ON-OFF Manual Shut Off
	Regulating or Selector Valves
	2 Position - 2 Way

	2 Position - 3 Way
	2 Position - 4 Way
	3 Position - 4 Way
	2 Position - 4 Way Open Center Cross Over
	Valve Capable of Infinite Positioning (Indicated by Horizontal Lines Drawn Parallel to the Envelope)
	Pressure Relief
	Pressure Reducing
	Non-Adjustable Restrictor
	Adjustable Restrictor
	Adjustable Restrictor Pressure Compensated
	Adjustable Restrictor (Temperature and Pressure Compensated)