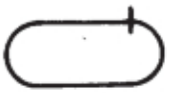
HYDRAULIC - Basic Schematic Symbols

KRIHA Fluid Power

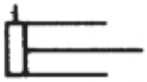
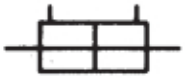
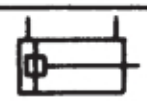
PUMPS & MOTORS

	Hydraulic Pump Fixed Displacement
	Variable Displacement
	Pressure Compensated Variable Capacity Pump
	Fixed Capacity Hydraulic Pump (Two Directional Flow)
	Pressure Intensifier One Fluid Type
	Accumulator Hydro-Pneumatic
	Hydraulic Motor Fixed Displacement
	Variable Displacement
	Hydraulic Oscillator

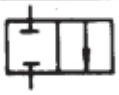
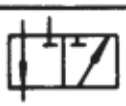
CONDITIONING

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

CYLINDERS

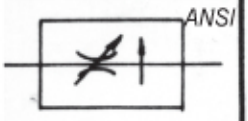
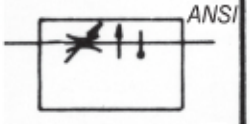
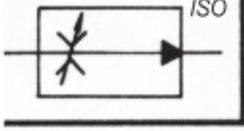
	Single Acting
	Double Acting Single Rod End
	Double Rod End
	Single Rod End Fixed Cushion Both Ends
	Adjustable Cushion Rod End Only
	Differential Cylinder

VALVES

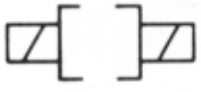
	Check
	Pilot Operated Check
	On-Off Manual Shut Off
	2 Position - 2 Way
	2 Position - 3 Way
	2 Position - 4 Way
	3 Position - 4 Way
	2 Position - 4 Way Open Center Cross Over
	Pressure Relief
	Pressure Reducing

HYDRAULIC - Basic Schematic Symbols KRIHA Fluid Power

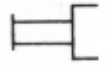
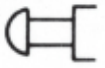
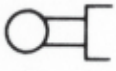
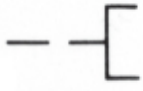
FLOW CONTROL VALVES

	Flow Control Adjustable
	**Flow Control Pressure Compensated**
 	**Flow Control, Adjustable (Temperature and Pressure Compensated)**

VALVE OPERATORS

	**Solenoid**
	Detent
	Spring

VALVE OPERATORS

	**Manual**
	**Push Button**
	Push-Pull Lever
	Pedal or Treadle
	**Mechanical**
	Pressure Compensated
	**Pilot Pressure Remote Supply**
	Liquid Supply

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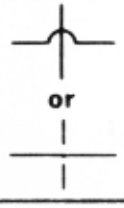
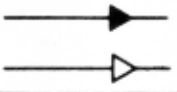
KRIHA Fluid Power

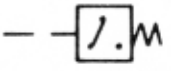
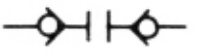
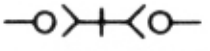
LINES & LINE FUNCTIONS

———	Solid Line Main Line
— — — —	Dashed Line Pilot Line
- - - - - - - - - -	Dotted Line Exhaust or Drain
—— - —— - ——	Enclosure Outline
	Lines Crossing
	Lines Joining
	Liquid Supply Gaseous Supply
	Flexible Line

MECHANICAL DEVICES

	Mechanical Connections (Shafts, Levers, etc)
	Variable Component (Run Arrow Through Symbol at 45^0)
	Spring

MISCELLANEOUS UNITS

	Reversing Motor
	Station or Test Point
	Pressure Indicator
	Temperature Indicator
	Pressure Switch
	Cooler
	Heater
	Temperature Controller
	Quick Disconnects Disconnected
	Quick Disconnects Connected