

## AIR PREPARATION UNITS

Symbol	Description
	FILTER/SEPARATOR with manual drain
	FILTER/SEPARATOR with automatic drain
	OIL REMOVAL FILTER
	AUTOMATIC DRAIN
	LUBRICATOR less drain
	LUBRICATOR with manual drain
	LUBRICATOR with automatic filling
	AIR LINE PRESSURE REGULATOR adjustable, relieving
	AIR LINE PRESSURE REGULATOR pilot controlled, relieving
	FILTER/REGULATOR (piggyback) Manual Drain Relieving (With Gauge)
	FILTER/REGULATOR (piggyback) Auto Drain Relieving
	AIR LINE COMBO F-R-L simplified

## PNEUMATIC VALVES

Symbol	Description
	CHECK
	FLOW CONTROL
	RELIEF VALVE

## PNEUMATIC VALVES (Cont'd)

Symbol	Description
	2-POSITION 2-WAY
	2-POSITION 3-WAY
	2-POSITION 4-WAY
	2-POSITION, 4-WAY 5-PORTED
	3-POSITION, 4-WAY ports closed, center pos.
	3-POSITION, 4-WAY 5-PORTED cyl. ports open to exhaust in center position
	QUICK EXHAUST
	SHUTTLE

## VALVE ACTUATORS

Symbol	Description
	MANUAL general symbol
	PUSH BUTTON
	LEVER
	PEDAL OR TREADLE
	MECHANICAL cam, toggle, etc.
	SPRING
	DETENT line indicates which detent is in use

## VALVE ACTUATORS (Cont'd)

Symbol	Description
	SOLENOID
	INTERNAL PILOT SUPPLY
	REMOTE PILOT SUPPLY
	AND/OR COMPOSITE solenoid and pilot or manual override
	AND/OR COMPOSITE solenoid and pilot or manual override and pilot

## LINES AND FUNCTIONS

Symbol	Description
	solid line—MAIN LINE
	dashed line—PILOT LINE
	dotted line—EXHAUST OR DRAIN LINE
	center line—ENCLOSURE OUTLINE
	LINES CROSSING (90° intersection not necessary)
	LINES JOINING (90° intersection not necessary)
	LINES JOINING
	FLOW DIRECTION hydraulic medium
	FLOW DIRECTION gaseous medium
	ENERGY SOURCE
	LINE WITH FIXED RESTRICTION
	LINE WITH ADJUSTABLE RESTRICTION
	FLEXIBLE LINE
	PLUGGED PORT, TEST STATION, POWER TAKE-OFF
	QUICK DISCONNECT WITHOUT CHECKS
	QUICK DISCONNECT WITH CHECKS
	QUICK DISCONNECT WITH ONE CHECK