



Basic symbols	Spool controls	Energy transformation	Energy control	Fluid treatment	
PRESSURE OR RETURN LINE	GENERAL SYMBOL	FIXED DISPLACEMENT PUMP	ADJUSTABLE 2-WAY FLOW CONTROL WITH REVERSE FLOW CHECK (e.g. 1VCR...D, 2VCR)	BREATHER WITH FILTER	
PILOT LINE	PUSH KNOB	SINGLE-ACTING HAND PUMP (e.g. 376)	ADJUSTABLE 3-WAY FLOW CONTROL WITH REVERSE FLOW CHECK (e.g. 1VCR...T, 3VCR)	FILTER (e.g. 2FA...)	
TWO OR MORE FUNCTIONS IN ONE UNIT	PUSH-PULL KNOB	DOUBLE ACTING HAND PUMP (e.g. 27906)	ADJUSTABLE 3-WAY FLOW CONTROL	FILTER WITH INDICATOR (e.g. 1FRF...+ 1FRI-D)	
FLEXIBLE HOSE	LEVER	FIXED DISPLACEMENT REVERSIBLE MOTOR WITHOUT DRAIN	FLOW DIVIDER (e.g. RC...)	WATER / OIL COOLER	
UNION	SINGLE ACTING PEDAL	FIXED DISPLACEMENT REVERSIBLE PUMP WITH DRAIN	SPOOL TYPE FLOW DIVIDER (e.g. DCO3...)	AIR / OIL COOLER	
CROSS	DOUBLE ACTING PEDAL	FIXED DISPLACEMENT REVERSIBLE MOTOR WITH DRAIN	ROTARY FLOW DIVIDER (e.g. DSL9-9-9-9R)	HEATER	
CLOSED CONNECTION	PLUNGER	ROTARY ACTUATOR (e.g. 1APA...)	LOWERING VALVE WITH REVERSE FLOW CHECK (e.g. VF...)	TEMPERATURE CONTROLLER	
DIRECTION OF MOVEMENT	PLUNGER WITH STROKE LIMITATION	SINGLE ACTING CYLINDER	THROTTLE WITH REVERSE FLOW CHECK (e.g. EG...)	Measuring instruments and indicators	
DIRECTION OF ROTATION	SPRING	DOUBLE ACTING CYLINDER	PILOT OPERATED CHECK VALVE WITHOUT DRAIN (e.g. VRHS...O3)		
REGULATION POSSIBLE	ROLLER	DOUBLE ACTING CYLINDER WITH VARIABLE DAMPING AT ONE END	PILOT OPERATED CHECK VALVE WITH DRAIN (e.g. VRHS...O2)	PRESSURE INDICATOR	
ELECTRIC	LEVER WITH ROLLER	DOUBLE ACTING CYLINDER WITH VARIABLE DAMPING AT BOTH ENDS	CHECK VALVE WITH SPRING	PRESSURE TRANSDUCER	
SOLENOIDS WORKING IN OPPOSITE DIRECTIONS	SINGLE SOLENOID	DOUBLE ACTING TELESCOPIC CYLINDER	SHUTTLE VALVE	PRESSURE GAUGE (e.g. MGP...)	
DIRECTION OF ROTATION LOOKING AT SHAFT	PUSH/PULL SOLENOID	SINGLE ACTING TELESCOPIC CYLINDER	LOGIC ELEMENT (e.g. 1LX...)	DIFFERENTIAL PRESSURE GAUGE	
PNEUMATIC	DIRECT PILOT OPERATED	DOUBLE ACTING DOUBLE ROD CYLINDER	PILOT OPERATED VALVE WITH DRAIN (e.g. 2VDF...)	FLUID LEVEL GAUGE	
HYDRAULIC	PNEUMATIC / HYDRAULIC OPERATED	ACCUMULATOR WITH GAS PRE-CHARGE	OVER CENTRE VALVE (e.g. 2VDF...)	FLUID LEVEL TRANSDUCER	
TEST POINT	ELECTRIC MOTOR		RELIEF VALVE / ELECTRICAL LOWERING VALVE (e.g. 2MB...)	THERMOMETER	
SPRING	OTHER CONTROL UNIT (NOT ELECTRIC MOTOR)		NORMALLY OPEN SOLENOID CHECK VALVE (e.g. 9526)	FLOW INDICATOR	
THROTTLE	INTERMEDIATE POSITION		NORMALLY CLOSED SOLENOID CHECK VALVE (e.g. 9525)	FLOW METER	
PLUGGED PORT	PROPORTIONAL SPOOL		PRIORITY VALVE (e.g. VPD...)	TACHOMETER	
ROTARY UNION	COUPLING		STEERING UNITS OPEN CENTRE CLOSED CENTRE CLOSED CENTRE WITH LS (FOR USE WITH PRIORITY VALVE)	TORQUE METER	
DETENT	INTERNAL PILOT			PRESSURE SWITCH	
RETURN ABOVE/BELOW FLUID LEVEL	EXTERNAL PILOT			MICRO SWITCH	
CHECK VALVE					
SHUT-OFF VALVE					