Hydraulic Symbols

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Hydraulic pump and motor symbols



Fixed displacement hydraulic pump



Variable displacement hydraulic pump



Fixed displacement hydraulic motor

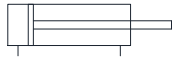


Electric motor (prime mover)

Hydraulic cylinder symbols



Single-acting cylinder, spring return



Double-acting cylinder



Double-rod cylinder

Hydraulic directional control valve symbols



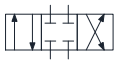
2/2 directional control valve



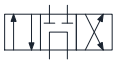
3/2 directional control valve



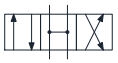
4/2 directional control valve



4/3 directional control valve, closed centre



4/3 directional control valve, tandem centre



4/3 directional control valve, open centre

Hydraulic valve actuator symbols



Solenoid actuator



Return spring



Lever actuator



Push-button actuator



Hydraulic pilot actuator

Check valve and flow control symbols



Check valve



Pilot-operated check valve



Throttle valve, adjustable



One-way flow control valve

Pressure valve symbols



Pressure relief valve



Pressure reducing valve

Filter, accumulator and reservoir symbols



Filter



Gas-loaded accumulator



Reservoir (tank)



Cooler

Gauge symbols

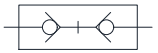


Pressure gauge

Hydraulic line symbols

Working line

Pilot or drain line



Quick coupling, connected, self-sealing