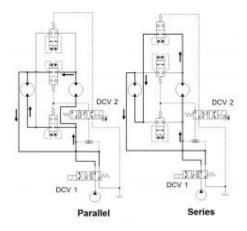


Motors Drives - In Series/Parallel

Machine: | Actuator: Motor | Function: Speed, Torque

Prepared for : Prepared by :

Schematics

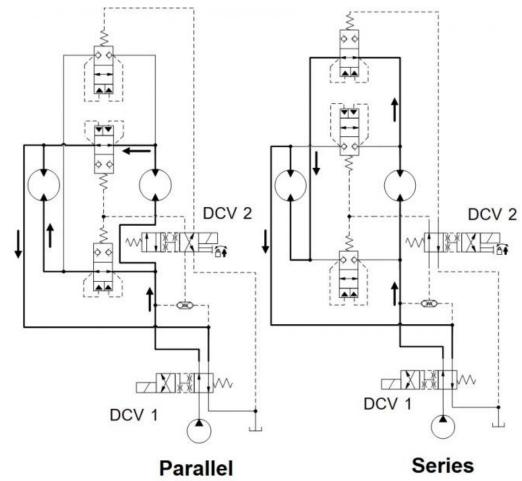


Related Products

Cartridges

LODC - Pilot-to-close, spring-biased closed, unbalanced poppet logic element DNCA - 4-way, 2-position, solenoid-operated directional spool valve with closed transition

Summary



The circuit shows two motors that can be operated in series or in parallel.

Pilot-to-open logic element: <u>LO*C</u>
2/4 way solenoid valve: <u>DN*A</u>

Benefits of this circuit arrangement:

- Two motors are driven from a directional valve DCV 1 for high flow.
- Only one 2/2-way directional valve DCV 2 is required in the pilot line of three pilot-to-close logic elements LO*C to change from parallel to series drive.
- CAUTION: The two motors are mechanically linked if they are used to drive wheels of a vehicle. Due to leakage of the first motor, the second one receives less oil than the first one and may activate. Leakage compensation may be required.

See circuits: Motors in series with leakage compensation 1 and 2'.

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