

Prepared for :

Prepared by :

Schematics

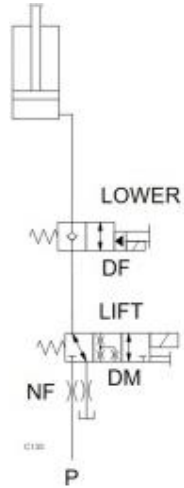


Fig.1

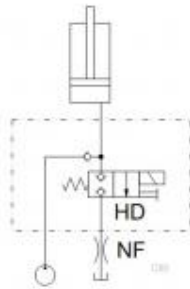


Fig.2

Summary

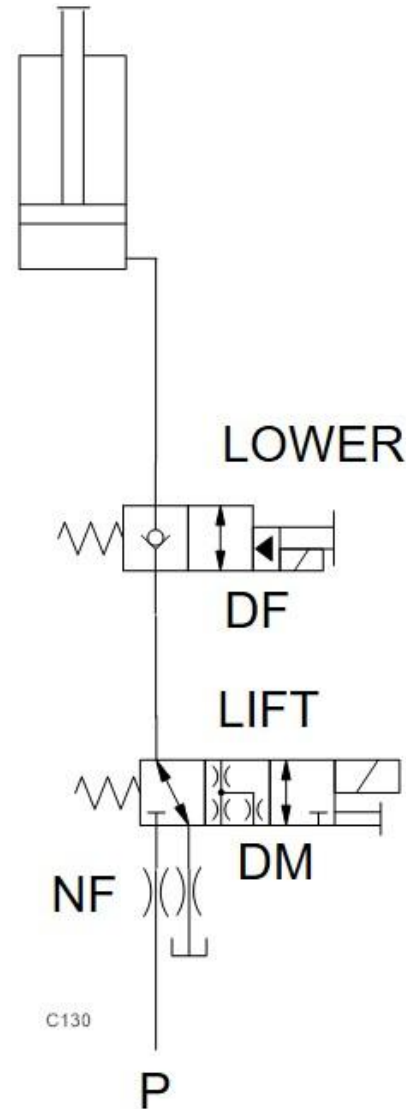


Fig.1

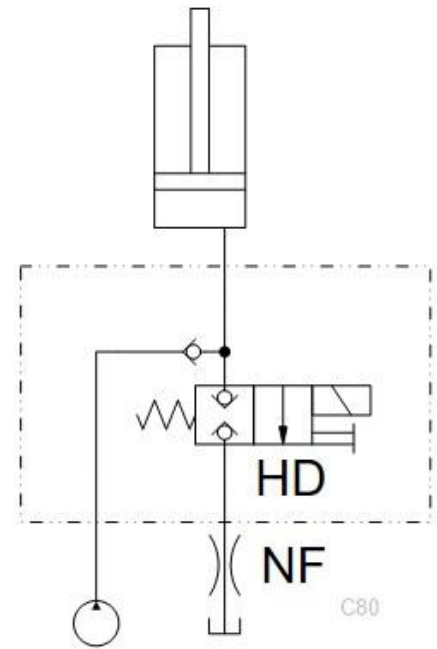


Fig.2

Related Products

Cartridges

DFCA - 2-way, 2-stage, solenoid-operated directional poppet valve - flow 1-2
NFAB - Fully adjustable needle valve - pilot capacity
DMDA - 3-way, solenoid-operated directional spool valve
HDDA - 2-way, solenoid-operated directional poppet valve - after check

The example shows two circuits for lifting and lowering a single acting cylinder.

- 2-way, solenoid-operated poppet valve: DF*A
- Needle valve: NF*
- 3-way, solenoid-operated spool valve: DM*A, DM*B

- **2-way, solenoid-operated poppet valve – after check: HD*A**

Benefits of this circuit arrangement

- **Fig.1** shows a leak free poppet-type solenoid valve DF*A, that holds the cylinder in a lifted position. The cylinder can be lowered by energizing the DF*A solenoid or using the manual over-ride in an emergency. The lowering speed is determined by the setting of NF* in the tank line. Activating the 2/3 way DM*A directional valve will extend the cylinder at a rate determined by the NF* valve in the pressure line of the DM*A.
- **Fig.2** shows a leak free poppet-type solenoid valve HD*A, that holds the cylinder in a lifted position. The cylinder can be lowered by energizing the HD*A solenoid or using the manual over-ride in an emergency. The lowering speed is determined by the setting of NF* in the tank line. The cylinder is extended directly via the flow from a pump through a check valve.