

Fig 5.2. Control of Single -Acting Hydraulic Cylinder.

C = Single acting cylinder

P = Pump

E = Electric Motor

T = Tank

F = Filter

R = Relief Valve

D =2-position, 3 way DCV Manually operated and spring return

5.2 Control of Double -Acting Hydraulic Cylinder :

Double -Acting cylinders can be extended and retracted hydraulically. Thus, an output force can be applied in two directions.

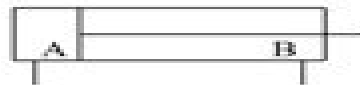


Fig 5.3 Double acting cylinder

Hydraulic Circuit Design Operation

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