Monoblock Directional Control Valve MCD20 Series

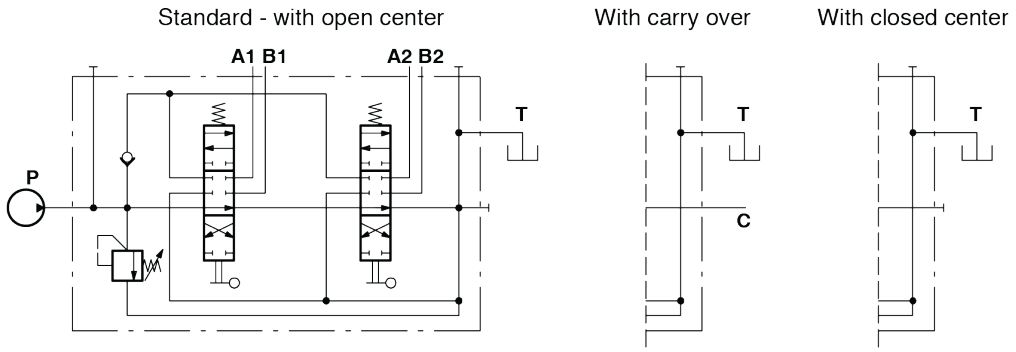
Features and Handling

• MCD20 series are monoblock directional control valve with parallel circuits. The standard valve comes with an adjustable main relief valve, check valve, and 4 mounting holes for standard and optional mounting. The carry over circuit, spool types, spool controls, and other options are available.

• The compact casting is made of high strenght cast iron. The spools are made of hardened and tempered steel.



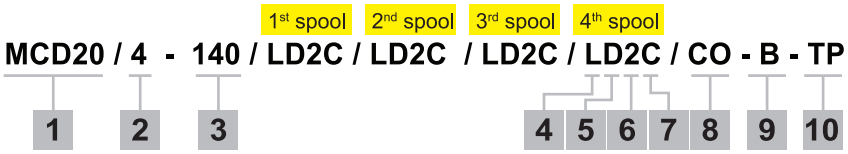
Specification



Model	Nominal Flow L/min (USgpm)	Maximum Pressure bar (psi)
MCD 20	45 (12)	350 (5100)

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Ordering Code



1. Model : MCD20

2. Number of Spool
   1 - 4

3. Relief Valve Setting
   210 bar
   140 bar

4. Spool Control B Port side
   L - Standard Lever

5. Spool Control A Port side
   S - Spring return to center
   D - Detent in three positions
   I - Detent in two positions
   O - Detent out two positions
   M - Microswitch connector operated in port 1 and 2

6. Spool Type
   (Type.1) 1 - Double acting, 3 position with A and B closed in center (Cylinder spool)
   (Type.2) 2 - Double acting, 3 position with A and B to tank in center (Motoring spool)
   (Type.3) 3 - Single acting on A, 3 position B plugged
   (Type.4) 4 - Single acting on B, 3 position A plugged

7. Service valve
   N - Without valve
   P - Without valve, but with pre-arranged holes
   C - With pilot operated check valves on port A and B

   *With service valve, the main valve body will come without Port P and T ontop and Port A and B can be BSPT 3/8" only, but Port A and B on check valve can be any threads as specified in Ordering Code.

8. Circuit Option
   OC - With open center plug
   CO - With carry over plug
   CC - With closed center plug

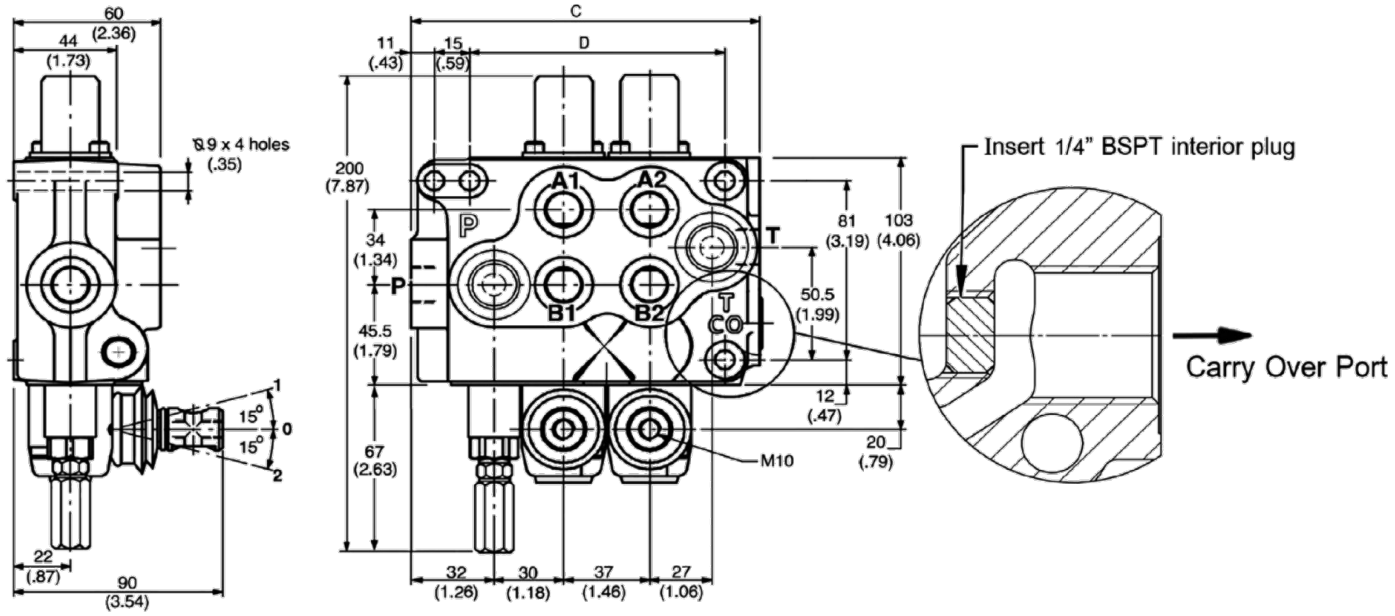
9. Port Connection

Code	Thread	Port A-B	Port P	Port T	Port CO
B3	BSP	3/8"	3/8"	3/8"	3/8"
S	SAE	SAE 8	SAE 10	SAE 10	SAE 10

10. Optional Port Connection
    SP - Use port P and T at side pluged P and T on top (standard)
    TP - Use port P and T on top pluged P and T at side

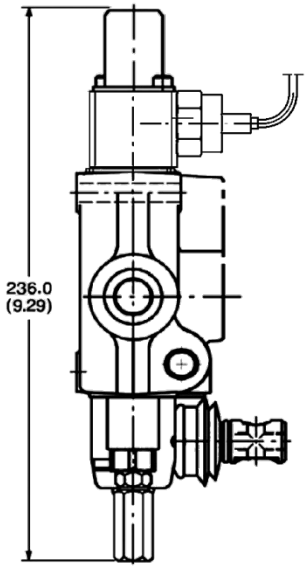
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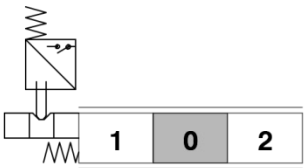
Installation Dimension mm (inch)



Model	Dimension mm (inch		Weight
	C	D	kg (lb)
MCD 20/1	112 (4.41)	73 (2.87)	3.6 (7.9)
MCD 20/2	151 (5.95)	110 (4.33)	5.2 (11.4)
MCD 20/3	188 (7.40)	147 (5.78)	6.9 (15.18)
MCD 20/4	225 (8.86)	184 (7.25)	8.6 (18.9)

Option Microswitch





Option Service Valve (C)

