

Compact Monoblock Directional Control Valve

MB20 Series



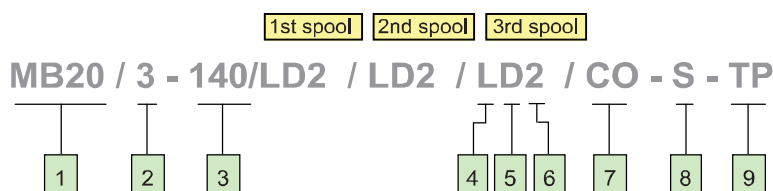
Features

MB20 Series is a monoblock directional control valves entirely developed to perform equivalent basic function as MCD20. MB20 is very compact in size yet comes with all standard feature such as adjustable main relief valve, check valve, carry over circuit, and 2 mounting holes.

MB20 made of high strength cast iron. The spools are made of hardened and tempered steel with varieties of spool types and controls.

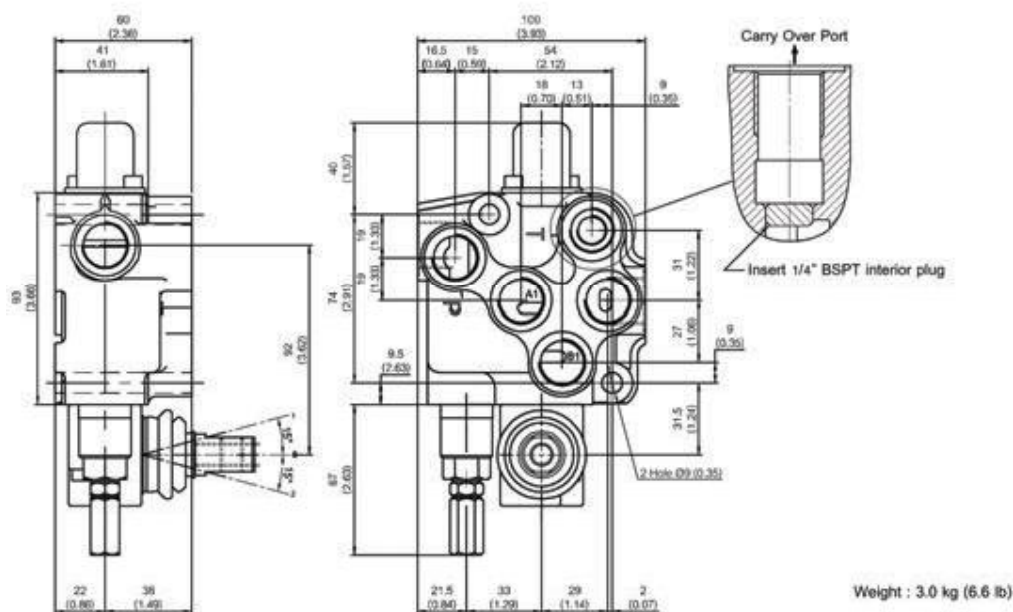
Specification

	Nominal Flow L/min(USgpm)	Max. Pressure bar(psi)
MB20	45(12)	210(3000)

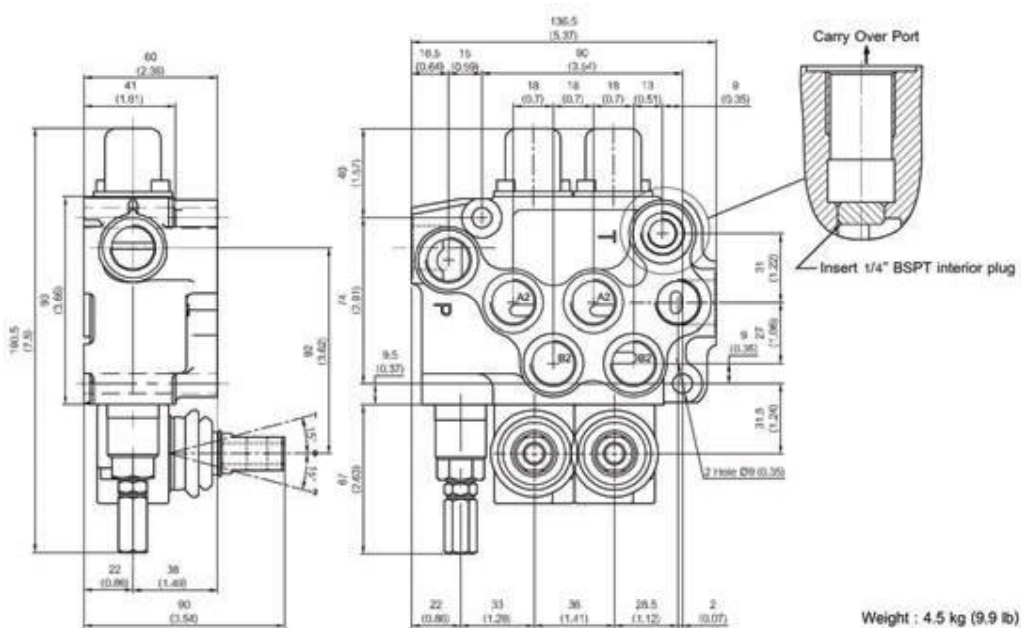


- | <p>1 Model</p> <p>MB20</p> <p>2 Number of Spool</p> <p>1 - 3</p> <p>3 Relief Valve Setting</p> <p>210 bar</p> <p>140 bar</p> <p>4 Spool Control B Port Side</p> <p>L - Standard Lever</p> <p>5 Spool Control A Port Side</p> <p>S - Spring return to center</p> <p>D - Detent in three positions</p> <p>I - Detent in two positions</p> <p>O - Detent out two positions</p> | <p>6 Spool Type</p> <p>(Type.1) 1 - Double acting, 3 position with A and B closed in center (Cylinder spool)</p> <p>(Type.2) 2 - Double acting, 3 position with A and B to tank in center (Motoring spool)</p> <p>(Type.3) 3 - Single acting on A, 3 position B plugged</p> <p>(Type.4) 4 - Single acting on B, 3 position A plugged</p> <p>7 Circuit Option</p> <p>OC - With open center plug</p> <p>CO - With carry over plug</p> <p>CC - With closed center plug</p> <p>8 Port Connection</p> <table border="1"> <thead> <tr> <th>Code</th><th>Thread</th><th>Port A-B</th><th>Port P</th><th>Port T</th><th>Port CO</th></tr> </thead> <tbody> <tr> <td>B3</td><td>BSP</td><td>3/8"</td><td>3/8"</td><td>3/8"</td><td>3/8"</td></tr> <tr> <td>S</td><td>SAE</td><td>SAE 8</td><td>SAE 8</td><td>SAE 8</td><td>SAE 8</td></tr> </tbody> </table> <p>9 Optional Port Connection</p> <p>SP - Use port P and T at side
plugged P and T on top</p> <p>TP - Use port P and T on top
plugged P and T at side</p> | 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 8 | SAE 8 | SAE 8 |
|--|---|----------|--------|----------|---------|--------|---------|----|-----|------|------|------|------|---|-----|-------|-------|-------|-------|
| 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 8 | SAE 8 | SAE 8 | | | | | | | | | | | | | | |

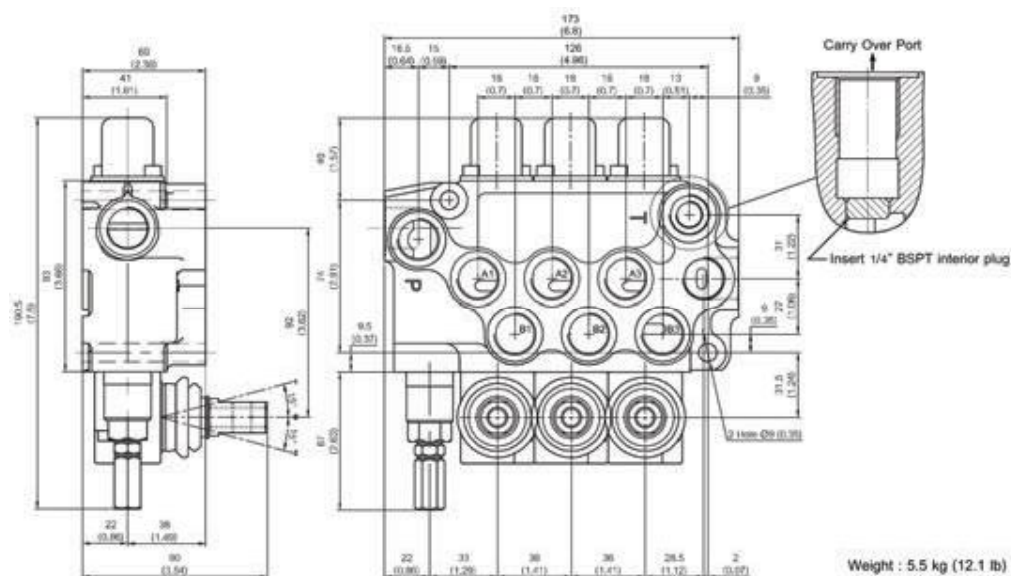
MB20/1



MB20/2



MB20/3



Performance Characteristics

MB Monoblock Valve

PRESSURE DROP

