

3/8, Reducing Valves

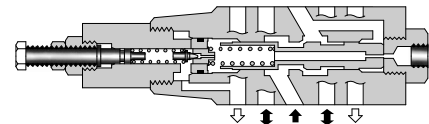
For "P" Line: MRP-03-* -30/3090
 For "A" Line: MRA-03-* -30/3090
 For "B" Line: MRB-03-* -30/3090

Specifications / Others

Specifications

Model Numbers	Max. Operating Pressure MPa(PSI)	Max. Flow L/min (U.S.GPM)
MRP-03-* -30/3090 MRA-03-* -30/3090 MRB-03-* -30/3090	25 (3630)	70 (18.5) *

★ In pressure adjustment range "H", if the pressure in the primary side is set above 20 MPa (2900 PSI) and the pressure in the secondary side is set below 10 MPa (1450 PSI), the maximum flow is limited to 50 L/min (13.2 U.S.GPM).



Model Number Designation

F-	MRP	-03	-B	-30	*
Special Seals	Series Number	Valve Size	Pres. Adj. Range MPa (PSI)	Design Number	Design Standard
F: Special Seals for Phosphate Ester Type Fluids (Omit if not required)	MRP: Reducing Valve for P-Line MRA: Reducing Valve for A-Line MRB: Reducing Valve for B-Line	03	B: 1-7 (145-1020) H: 3.5-24.5 (510-3550)	30	Refer to ★

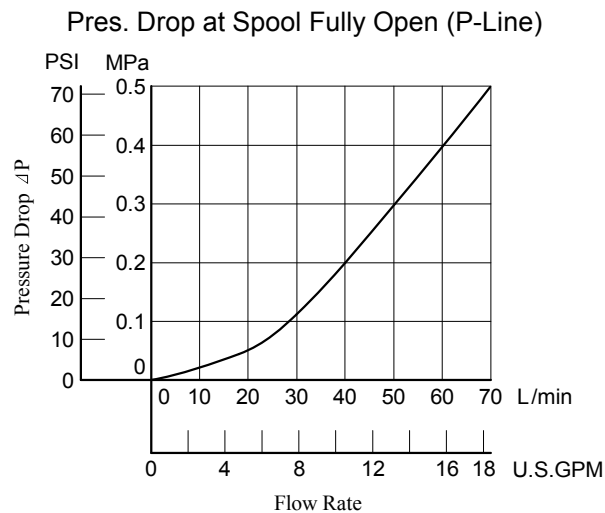
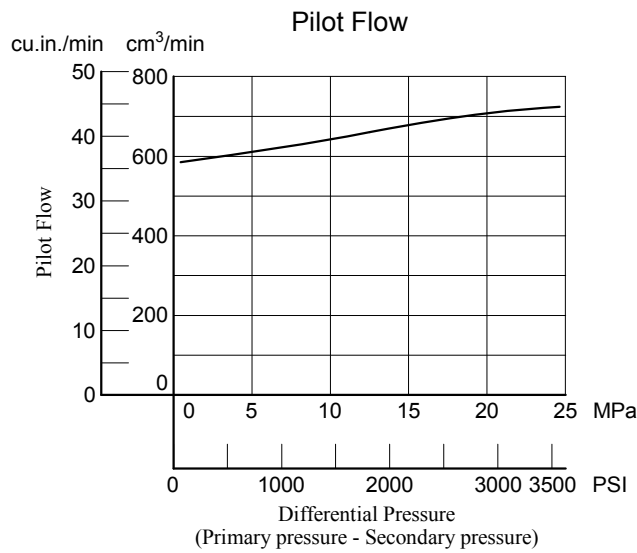
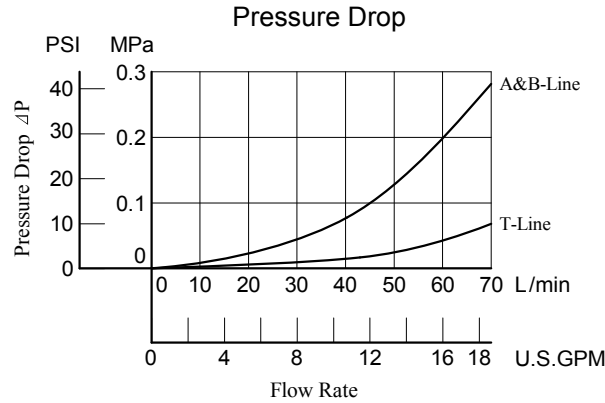
★ Design Standards: None Japanese Standard "JIS" and European Design Standard
 90 N. American Design Standard

Instructions

- The minimum adjustment pressure equals the lower limit of either pressure adjustment range (B, H) plus the tank line back pressure of the next page. This back pressure should include the value of the T-line pressure drop characteristics of the valves stacked to the base plate side of the modular valve.
- To make pressure adjustment, loosen the lock nut and turn the pressure adjustment screw clockwise or anti-clockwise. For an increase of pressure, turn the screw clockwise. Be sure to re-tighten the lock nut firmly after making adjustment to the pressure.

Model Numbers	Graphic Symbols	Detailed Graphic Symbols
MRP-03		
MRA-03		
MRB-03		

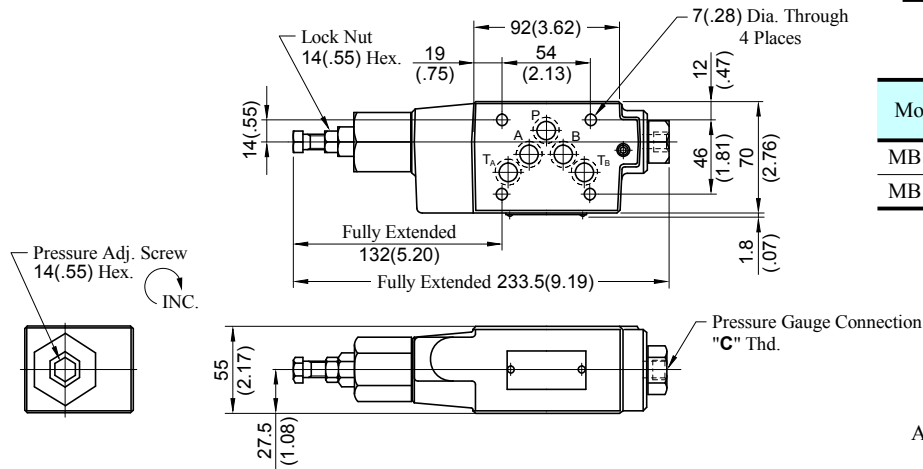
Hydraulic Fluid: Viscosity 35 mm²/s (164 SSU), Specific Gravity 0.850



MRP-03-*-30/3090

MRB-03-*-30/3090

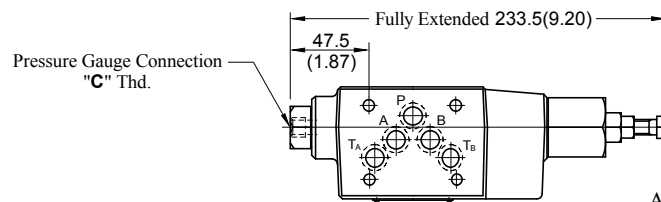
DIMENSIONS IN
MILLIMETRES (INCHES)



Model Numbers	Thread Size "C" Thd.
MB*-01-*-30	Rc 1/4 = 1/4 BSP.Tr
MB*-01-*-3090	1/4 NPT

Approx. Mass..... 3.8 kg (8.4 lbs.)

MRA-03-*-30/3090

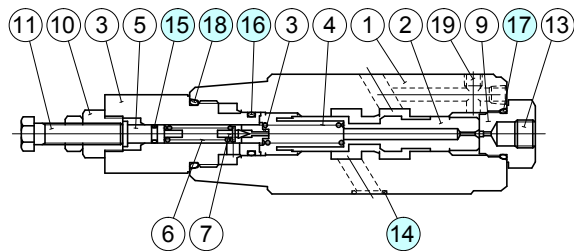


Approx. Mass..... 3.8 kg (8.4 lbs.)

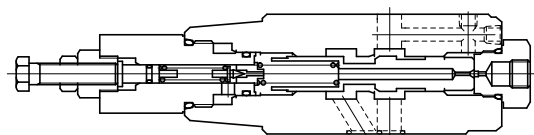
• For other dimensions, refer to "MRP-03" drawing above.

■ Spare Parts List

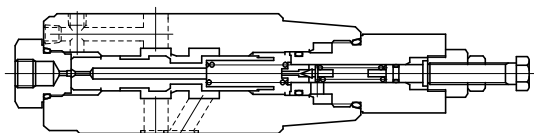
MRP-03-*-30/3090



MRB-03-*-30/3090



MRA-03-*-30/3090



● List of Seals

Item	Name of Parts	Part Numbers	Qty.	Remarks
14	O-Ring	SO-NB-A014	5	Included in Seal Kit Kit No.: KS-MRP-03-30
15	O-Ring	SO-NA-P6	1	
16	O-Ring	SO-NB-P16	1	
17	O-Ring	SO-NB-P18	1	
18	O-Ring	SO-NB-P26	1	



CAUTION

When making replacement of seals, please do it carefully after reading through the relevant instructions in the Operator's Manual.