MR*

Reducing Modular Valves
Size: NG6
Max. operating pressure upto 315 bar
Max. flow upto 35 L/min.

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Ordering code

Seals:
Mineral oil = No code
Phosphate ester = F

Reducing Valve for P-Line = MRP
Reducing Valve for A-Line = MRA
Reducing Valve for B-Line = MRB

NG6 = 01

Pressure Adjustment Range:
0 - 70Bar*[1] = B
35 - 140Bar = C
70 - 210Bar = H

Design Number:
Standard = 30T

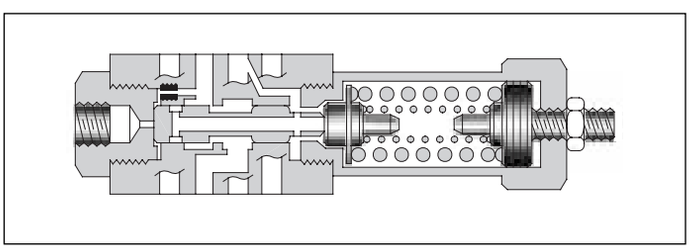
Design Standard*[2]

Symbols:

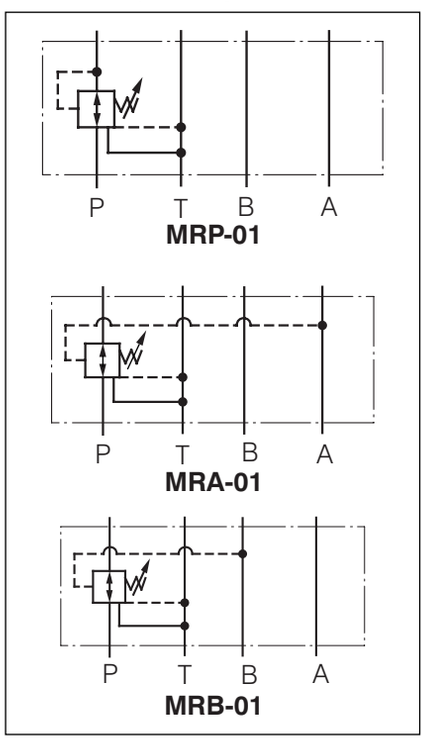
- Instructions:

The minimum adjustment pressure equals the value obtained fro the minimum adjustment pressure characteristics 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.



Graphic Symbols



Specification

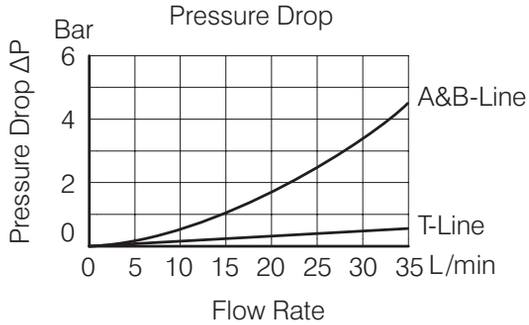
Model Numbers	Max. Operating Pressure (Bar)	Max. Flow (L/min)
MRP*-01-*30T	315	35
MRP*-01-*-30T		
MRB*-01-*-30T		

- If the pressure is set below 19 Bar , the maximum flow is limited.
  See the minimum adjustment pressure vs. maximum flow characteristics and during use, stay within the shaded zone on the graph.

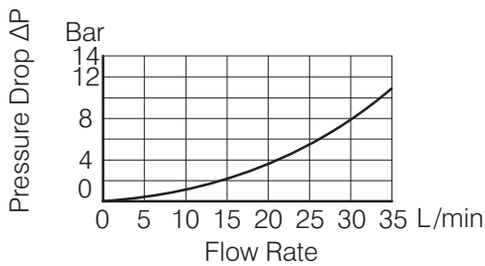
Performance Curves

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

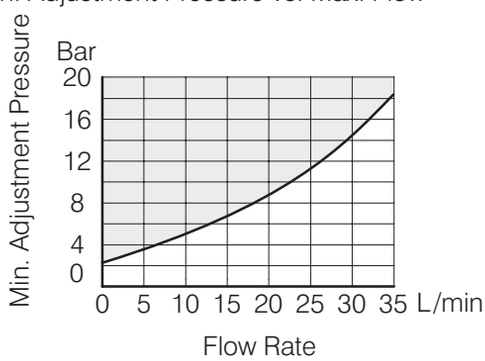
Pressure Drop



Pressure Drop at Spool Fully Open (P-Line)

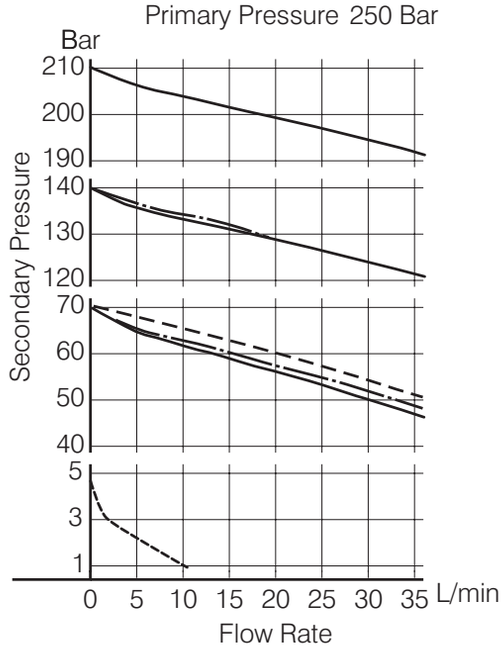


Min. Adjustment Pressure vs. Max. Flow



Nominal Override Characteristics

Primary Pressure 250 Bar

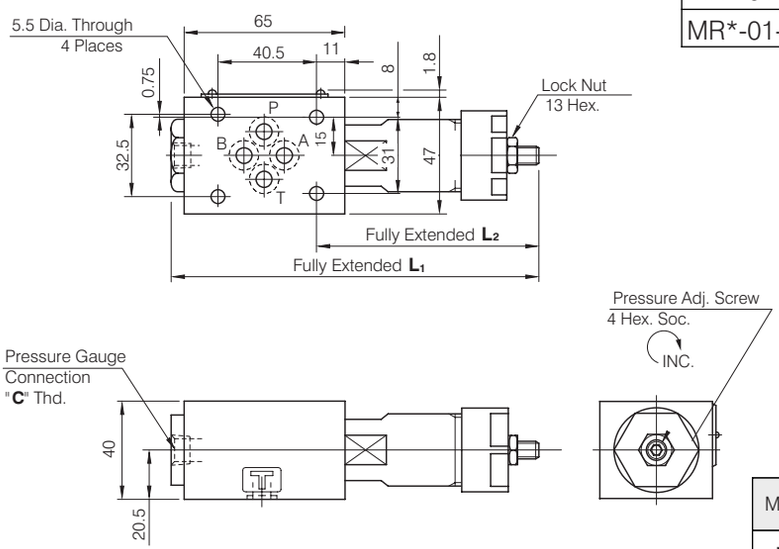


Pressure Adj. Range

---------- : "B"
—·—·— : "C"
———— : "H"

Unit Dimensions (Dimensions in mm)

MRP-01-*-30T/3090T
MRA-01-*-30T/3090T
MRB-01-*-30T/3090T



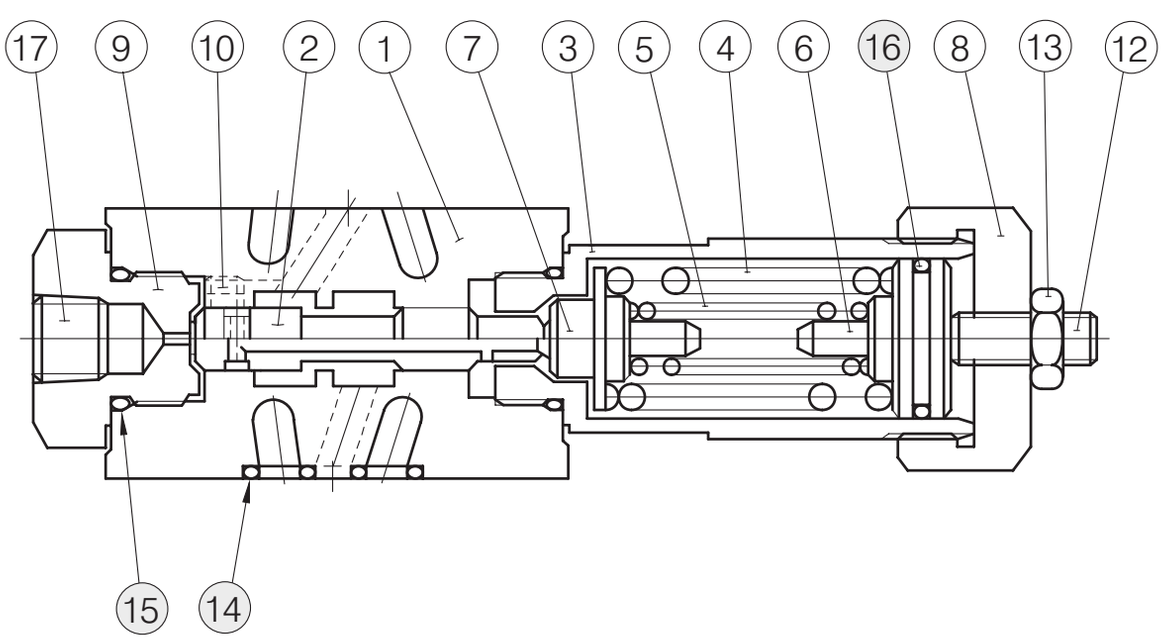
Model No.	L1	L2
MR*-01-B/C	158	92
MR*-01-H	173.5	107.5

Approx. Mass.....1.1 kg

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

Spares

MRP-01-*-40T/4090T
MRA-01-*-40T/4090T
MRB-01-*-40T/4090T



List of Seals

Item	Name of Parts	Part Numbers	Qnty	Remarks
14	O-Ring	SO-NB-P9	4	Included in seal kit Kit No.: KS-ZBP-01-30
15	O-Ring	SO-NB-P18	2	
16	O-Ring	SO-NA-P20	1	

The specified data is for product description purposes only and may not be deemed to be guaranteed unless expressly confirmed in the contract.

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