

3/8 Reducing Modular Valves

Specifications

Max. Operating Pressure Kgf/cm ²	Max. Flow L/min.
250	50 ^(Note)

Note: When setting secondary pressure to a value less than 15 Kgf/cm² with the primary pressure of more than 70 Kgf/cm², maximum flow will be limited to 40 L/min.

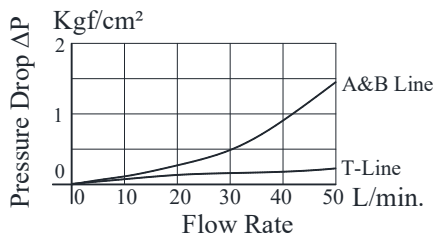
Model Number Designation

F-	OMRA	-03	-B	-10
Special Seals **	Series Number	Valve Size	Pres. Adj. Range Kgf/cm ²	Design Number
F: Special Seals for Phosphate ester Type Fluids (Omit if not required)	OMRP: Reducing Modular Valves for P-Line OMRA: Reducing Modular Valves for A-Line OMRB: Reducing Modular Valves for B-Line	03	B: 10-70 H: 35-245	10

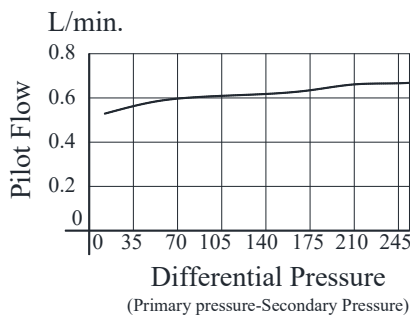
Typical Performance Characteristics

Hydraulic Fluid: viscosity 35cSt, Specific gravity 0.850

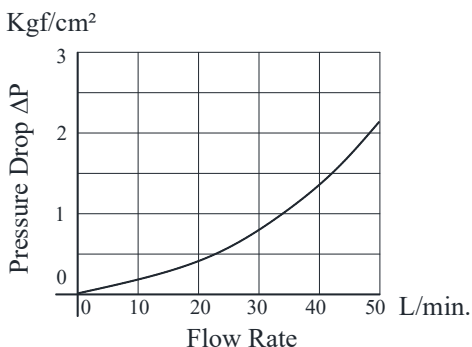
Pressure Drop



Pilot Flow

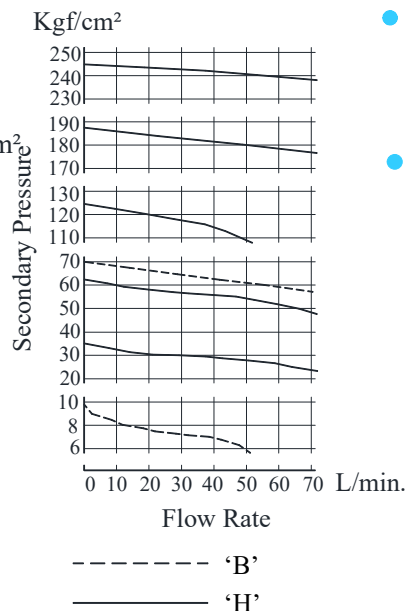


Pressure Drop at spool Fully Opened (P-Line)



Nominal Override Characteristics

Secondary Pressure 250 Kgf/cm²



Model Numbers	Graphic Symbols	Detailed Graphic Symbols
OMRP-03		
OMRA-03		
OMRB-03		

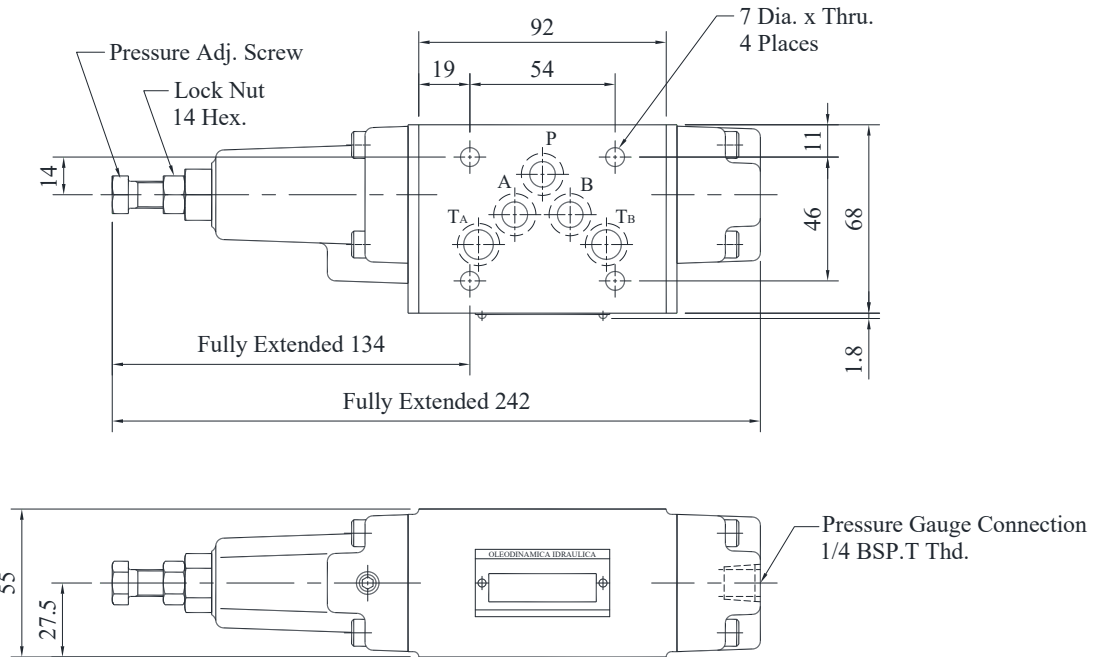
Care in Application

- **Min. adjustment pressure** varies with tank line back pressure. Add T-Line pressure drop stacked to tank line back pressure.
- To Adjust pressure, loosen the lock nut and turn the pressure adjustment screw clockwise or anticlockwise. For an increase of pressure, turn the screw clockwise. Be sure to re-tighten the lock nut firmly after making adjustment to the pressure.

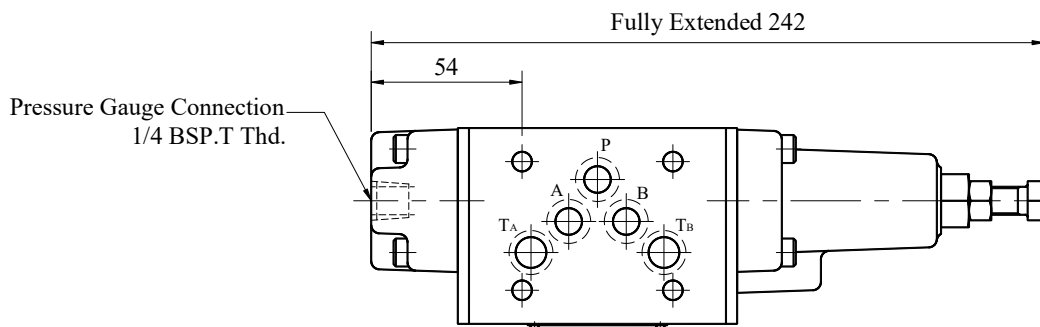


- OMRP-03-※-10
- OMRB-03-※-10

DIMENSIONS IN MILLIMETER



- OMRA-03-※-10



Mass..... 3.8 Kg (Approx.)

For Other Dimensions, refer to above (OMRP-03) drawing.

Spare Parts List

List of Seals

Sl.No.	Name of Parts	Part Numbers	Qty.
			OMR※-03
1	O-Ring	AS568A-014	5
2	O-Ring	SO-NA-P6	3
3	O-Ring	SO-NA-P9	1
4	O-Ring	SO-NB-P22	1
5	O-Ring	SO-NB-P28	1

List of Seal Kit

Model Numbers	Seal Kit Numbers
OMRP-03	KS-OMRP-03-10
OMRA-03	
OMRB-03	

Note: When ordering the seals, please specify the seal kit number from the table right.