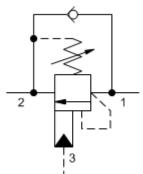
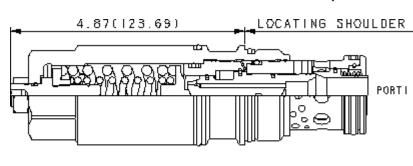




## sunhydraulics.com/model/MBIA



3-Port Non-vented



PØRT2

Load reactive, load control valves with pilot assist combine two valves; a check valve and a relief valve. The check valve allows free flow from the directional valve (port 2) to the load (port 1) while a direct-acting, pilot-assisted relief valve controls flow from port 1 to port 2. Pilot assist at port 3 lowers the effective setting of the relief valve at a rate determined by the pilot ratio.

PORT3

TECHNICAL DATA NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Maximum Operating Pressure	5000 psi
Pilot Ratio	3:1
Maximum Recommended Load Pressure	See Technical Features
Adjustment - No. of CCW Turns from Min. to Max. Setting	7
Check Cracking Pressure	25 psi
Factory Pressure Settings Established at	2 in³/min.
Maximum Valve Leakage at Reseat	5 drops/min.
Reseat	≥77% of setting
Locknut Hex Size	3/4 in.
Locknut Torque	25 - 30 lbf ft
Seal kit - Cartridge	Buna: 990-019-007
Seal kit - Cartridge	Polyurethane: 990-019-002
Seal kit - Cartridge	Viton: 990-019-006

## **CONFIGURATION OPTIONS**

CONTROL

L

## Model Code Example: MBIALHN FUNCTIONAL SETTING RANGE (H)

(H) SEAL MATERIAL

## (N) MATERIAL/COATING

Standard Screw Adjustment

(L)

H 1000 - 4000 psi (70 - 280 bar), 3000 psi (210 bar) Standard Setting

N Buna-N

V Viton

Standard Material/Coating/APStainless Steel, Passivated

J 2000 - 5000 psi (140 - 350 bar), 3000 psi (210 bar) Standard Setting