

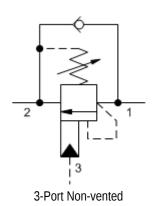


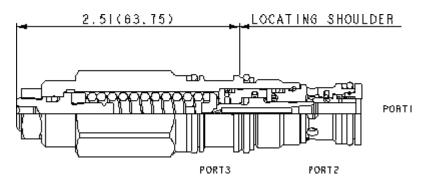
3:1 pilot ratio, load reactive, load control valve

CAPACITY: 15 gpm / CAVITY: T-11A



sunhydraulics.com/model/MBDA





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.

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	6.5
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	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-011-007
Seal kit - Cartridge	Polyurethane: 990-011-002
Seal kit - Cartridge	Viton: 990-011-006

CONFIGURATION OPTIONS CONTROL

Model Code Example: MBDALHN

(L) FUNCTIONAL SETTING RANGE

H) SEAL MATERIAL

(N) MATERIAL/COATING

L Standard Screw Adjustment

Tamper Resistant - Factory Set

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

N Buna-N V Viton

Standard Material/Coating

IAP Stainless Steel, Passivated

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

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