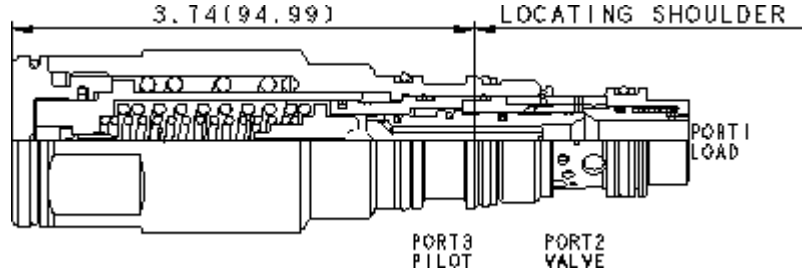


3-Port Atmospherically Referenced, Non-adjustable



These valves are self-setting counterbalance valves which combine multiple functions in one package; reverse free flow, load, and thermal relief. The check allows free flow from the directional valve (port 2) to the load (port 1) while a direct-acting pilot function self adjusts to approximately 1.3 times the load induced pressure up to the thermal relief setting. Backpressure at port 2 does not affect self setting performance because the spring chamber references the atmosphere.

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

Maximum Operating Pressure	5000 psi
Maximum Recommended Load Pressure	See Technical Features
Check Cracking Pressure	25 psi
Factory Pressure Settings Established at	2 in ³ /min.
Maximum Valve Leakage at Reseat	5 drops/min.
Reseat	≥77% of setting
Seal kit - Cartridge	Buna: 990-202-007
Seal kit - Cartridge	Polyurethane: 990-002-002
Seal kit - Cartridge	Viton: 990-202-006

NOTES: • The pressures listed under FACTORY SET are approximate, mean values and should not be used for inspection purposes.

CONFIGURATION OPTIONS

Model Code Example: MAEPDHN

CONTROL	(D)	FACTORY SET	(H)	SEAL MATERIAL	(N)	MATERIAL/COATING
D LoadMatch™		H 4000 psi (280 bar)		N Buna-N		Standard Material/Coating
		G 6000 psi (420 bar)		V Viton		/LH Mild Steel, Zinc-Nickel
		J 5000 psi (350 bar)				