



Vented, balanced load control valves combine a balanced modulating element with a reverse flow check. The check valve allows free flow from the directional valve (port 2) to the load (port 1) while the pilot to open modulating element controls flow from port 1 to port 2. Pilot pressure at port 3 determines the flow setting. Backpressure at port 2 does not affect the flow setting because the spring chamber references the vent (port 4).

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

Maximum Operating Pressure	5000 psi
Check Cracking Pressure	25 psi
Maximum Valve Leakage at Reseat	See Technical Features
Seal kit - Cartridge	Buna: 990-022-007
Seal kit - Cartridge	Polyurethane: 990-022-002
Seal kit - Cartridge	Viton: 990-022-006

CONFIGURATION OPTIONS

Model Code Example: MWEMXINV

CONTROL	(X)	MINIMUM CONTROL PRESSURE	(I)	SEAL MATERIAL	(N)	MATERIAL/COATING
X Not Adjustable		I 300 psi (20 bar)		N Buna-N		Standard Material/Coating
		E 75 psi (5 bar)		V Viton		IAP Stainless Steel, Passivated
		G 150 psi (10,5 bar)				ILH Mild Steel, Zinc-Nickel
		H 200 psi (14 bar)				
		K 450 psi (33 bar)				
		M 525 psi (36,7 bar)				