

CONFIGURATION

L	Control	Standard Screw Adjustment
B	Adjustment Range	.1 - 2 gpm (0,4 - 8 L/min.)
N	Seal Material	Buna-N
(none)	Material/Coating	Standard Material/Coating

Fully adjustable, pressure-compensated flow controls with reverse-flow check provide precise flow regulation for meter-in or meter-out applications where there may be wide pressure fluctuations. They are infinitely adjustable from nearly closed up to the maximum flow. An integral high-capacity check valve provides unrestricted flow from port 2 to port 1.

TECHNICAL DATA

Maximum Operating Pressure	5000 psi
Adjustment - Number of Counterclockwise Turns - Fully Closed to Fully Open	5
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-010-007
Seal kit - Cartridge	Polyurethane: 990-010-002
Seal kit - Cartridge	Viton: 990-010-006

NOTES For Series 1 cartridges configured with an O control (panel mount handknob), a .75 in. (19 mm) diameter hole is required in the panel.

CONFIGURATION OPTIONS

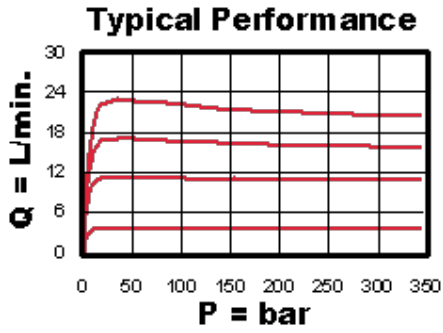
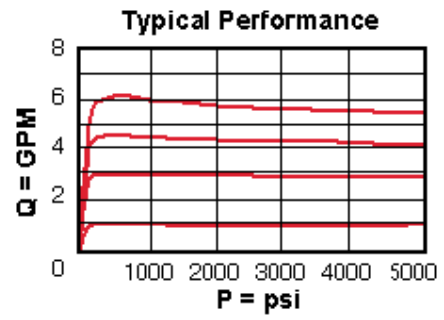
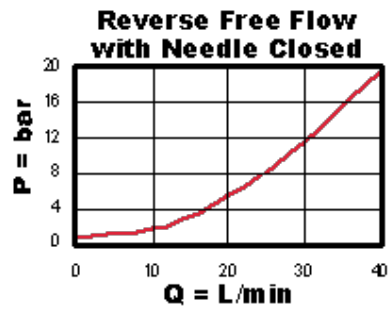
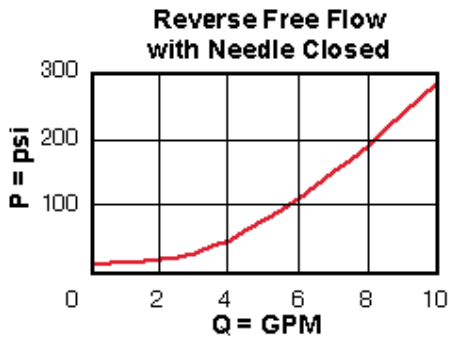
Model Code Example: **FDBALBN**

CONTROL	(L) ADJUSTMENT RANGE	(B) SEAL MATERIAL	(N) MATERIAL/COATING
L Standard Screw Adjustment	B .1 - 2 gpm (0,4 - 8 L/min.)	N Buna-N	Standard Material/Coating
H Calibrated Handknob with Detent Lock	A .1 - 6 gpm (0,4 - 23 L/min.)	E EPDM	/AP Stainless Steel, Passivated
K Handknob		V Viton	/LH Mild Steel, Zinc-Nickel
Y Tri-Grip Handknob			

TECHNICAL FEATURES

- All 2-port flow control cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size). However, cartridge extension dimensions from the mounting surface may vary.
- A balanced adjustment mechanism allows for easy adjustment even at high pressures.
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- Minimum leakage is .1 gpm (0,4 L/min) when the adjustment mechanism is turned to the shut-off position.
- Cartridges with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.

PERFORMANCE CURVES



RELATED ACCESSORIES

- [X2CD](#) Pressure compensated, solenoid operated, rapid advance and feed, flow control valve assembly, with reverse flow check