

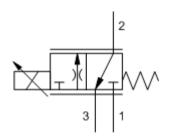


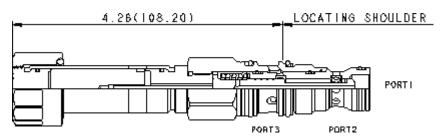
Electro-proportional 3-way flow control valve, meter in

CAPACITY: 6 gpm / CAVITY: T-11A



sunhydraulics.com/model/FMDB





This valve is a 3-way, meter-in, electro-proportional throttle. The flow path, unenergized, has the supply blocked at port 1 and port 2 connected to tank at port 3. Energizing the coil generates a closing force on the spool, creating a metering orifice in the 1 to 2 direction that is proportional to the coil command current. The valve self-compensates in the 1 to 2 direction and with the addition of an external compensator will provide pressure compensated flow control. Flow in the 2 to 3 direction is not proportional.

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

Manual Override Force Requirement	5 lbs/1000 psi @ Port 1
Manual Override Stroke	.10 in.
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in³/min.@1000 psi
Seal kit - Cartridge	Buna: 990-411-007
Seal kit - Cartridge	Viton: 990-411-006

NOTES: • Please verify cartridge clearance requirements when choosing a Sun manifold. Different valve controls and coils require different clearances.

CONFIGURATION OPTIONS

CONTROL (X)

Model Code Example: FMDBXCN

FLOW RATE (C) SEAL MATERIAL

N Buna-N

Viton

(N) COIL *

X No Manual Override

- D Twist/Lock (Dual) Manual Override
- E Twist (Extended) Manual Override
- L Twist/Lock (Detent) Manual Override
- M Manual Override
- T Twist (Momentary) Manual Override

C .1 - 6 gpm (0,4 - 23 L/min.)

- **A** .1 1.6 gpm (0,4 6.1 L/min.)
- **B** .1 4 gpm (0,4 15 L/min.)

No coil

Additional coil options are available

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