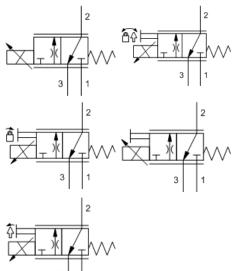


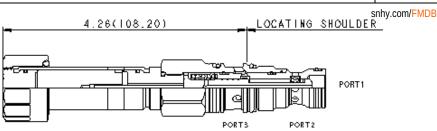


# Electro-proportional 3-way flow control valve, meter in SERIES 1 / CAPACITY: 23 L/min. / CAVITY: T-11A









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.

Maximum Valve Leakage at 110 SUS (24 cSt)	30 cc/min.@70 bar
Manual Override Force Requirement	33 N/100 bar @ Port 1
Manual Override Stroke	2,5 mm
Seal kit - Cartridge	Buna: 990411007
Seal kit - Cartridge	Viton: 990411006

**NOTES** 

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

### **CONFIGURATION OPTIONS**

## Model Code Example: FMDBXCN

CONTROL IN FLOW RATE ICI SEAL WATERIAL IN CO	CONTROL	(X) FLOW RATE	(C) SEAL MATERIAL	(N) COIL:
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#### 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.)

#### N Buna-N

V Viton

#### No coil

212 DIN 43650-Form A, 12 VDC 224 DIN 43650-Form A, 24 VDC 712 Twin Lead, 12 VDC 724 Twin Lead, 24 VDC 912 Deutsch DT04-2P, 12 VDC 924 Deutsch DT04-2P, 24 VDC

<sup>\*</sup> Additional coil options are available