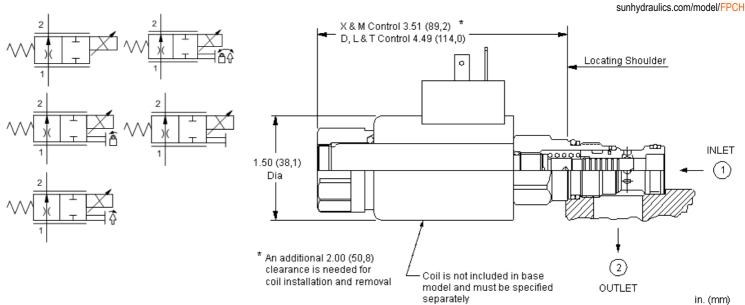




## Electro-proportional flow control valve - normally open SERIES 1 / CAPACITY: 28 L/min. / CAVITY: T-13A





This valve is a normally open electro-proportional throttle that is spring-biased open. Energizing the coil generates an closing force on the spool proportional to the command current, and this force is countered by the spring and flow forces. This force balance creates a metering orifice whose effective size is proportional to the current. The valve exhibits a large degree of self-compensation in the 1-to-2 direction and will provide proportional flow control in the 2-to-1 direction with the addition of an external compensator. Full reverse flow (2-to-1) with no command in the 2-to-1 direction is possible without a compensator under all conditions.

## **TECHNICAL DATA**

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

924 Deutsch DT04-2P, 24 VDC

\* Additional coil options are available

Maximum Valve Leakage at 110 SUS (24 cSt)	100 cc/min.@210 bar	
Manual Override Force Requirement	33 N/100 bar @ Port 1	
Manual Override Stroke	2,5 mm	
Seal kit - Cartridge	Buna: 990413007	
Seal kit - Cartridge	Polyurethane: 990413002	
Seal kit - Cartridge	Viton: 990413006	

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

## **CONFIGURATION OPTIONS**

T Twist (Momentary) Manual Override

M Manual Override

## Model Code Example: FPCHXCN

CONTROL	(X) FLOW RATE	(C) SEAL MATERIAL	(N) COIL*
X No Manual Override	<b>C</b> .25 - 7 gpm (1 - 28 L/min.)	N Buna-N	No coil
D Twist/Lock (Dual) Manual Override	<b>A</b> .1 - 1.5 gpm (0,4 - 6 L/min.)	E EPDM	212 DIN 43650-Form A, 12 VDC
E Twist (Extended) Manual Override	<b>B</b> .15 - 3.5 gpm (0,6 - 14 L/min.)	<b>V</b> Viton	224 DIN 43650-Form A, 24 VDC
L Twist/Lock (Detent) Manual Overrid	е		912 Deutsch DT04-2P. 12 VDC

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