



CONFIGURATION

X	Control	Not Adjustable
F	Flow Rate	60 in ³ /min. (1 L/min.)
N	Seal Material	Buna-N
(none)	Material/Coating	Standard Material/Coating

Fixed-orifice, pressure-compensated flow controls provide precise flow regulation for meter-in or meter-out applications where there may be wide pressure fluctuations. A variety of flow rates are available.

TECHNICAL DATA

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

Cavity	T-8A
Series	P
Capacity	.5 gpm
Maximum Operating Pressure	5000 psi
Valve Hex Size	7/8 in.
Valve Installation Torque	20 - 25 lbf ft
Seal kit - Cartridge	Buna: 990008007
Seal kit - Cartridge	EPDM: 990008014
Seal kit - Cartridge	Polyurethane: 990008002
Seal kit - Cartridge	Viton: 990008006
Model Weight	0.13 lb.

CONFIGURATION OPTIONS

Model Code Example: **FXAAXFN**

CONTROL	(X) FLOW RATE	(F) SEAL MATERIAL	(N) MATERIAL/COATING
X Not Adjustable	F 60 in ³ /min. (1 L/min.)	N Buna-N	Standard Material/Coating
	A 15 in ³ /min. (250 cc/min.)	E EPDM	/AP Stainless Steel, Passivated
	B 20 in ³ /min. (330 cc/min.)	V Viton	/LH Mild Steel, Zinc-Nickel
	D 40 in ³ /min. (660 cc/min.)		
	H 80 in ³ /min. (1.3 L/min.)		
	J 100 in ³ /min. (1.6 L/min.)		
	L 120 in ³ /min. (2.0 L/min.)		

TECHNICAL FEATURES

- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- Will accept 5000 psi (350 bar) at ports 1 and 2.
- Cartridges configured with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.
- Flow Tolerances A Flow Rate +/- 2.0 in³/min. (+/- 32 cc/min.) B Flow Rate +/- 2.5 in³/min. (+/- 40 cc/min.) D and F Flow Rates +/- 3.0 in³/min. (+/- 48 cc/min.) H and J Flow Rates +/- 4.0 in³/min. (+/- 64 cc/min.) L Flow Rate +/- 4.5 in³/min. (+/- 72 cc/min.)
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

PERFORMANCE CURVES

