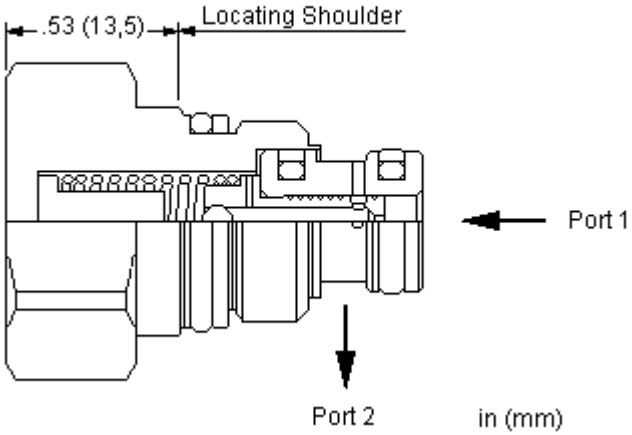

Fixed-orifice, pressure-compensated flow controls provide precise flow regulation for meter-in or meter-out applications where there may be wide pressure fluctuations. A variety of flow rates are available.

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: 990-008-007
Seal kit - Cartridge	EPDM: 990-008-014
Seal kit - Cartridge	Polyurethane: 990-008-002
Seal kit - Cartridge	Viton: 990-008-006

OPTION SELECTION EXAMPLE: FXAAXANV

CONTROL	(X)
X	Not Adjustable

FLOW RATE	(A)
A	15 in³/min. (250 cc/min.)
B	20 in³/min. (330 cc/min.)
D	40 in³/min. (660 cc/min.)
F	60 in³/min. (1 L/min.)
H	80 in³/min. (1.3 L/min.)
J	100 in³/min. (1.6 L/min.)
L	120 in³/min. (2.0 L/min.)

SEAL MATERIAL	(V)
V	Viton
E	EPDM
N	Buna-N

MATERIAL/COATING	
	Standard Material/Coating
/AP	Stainless Steel, Passivated
/LH	Mild Steel, Zinc-Nickel

TECHNICAL FEATURES

- 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.
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- 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