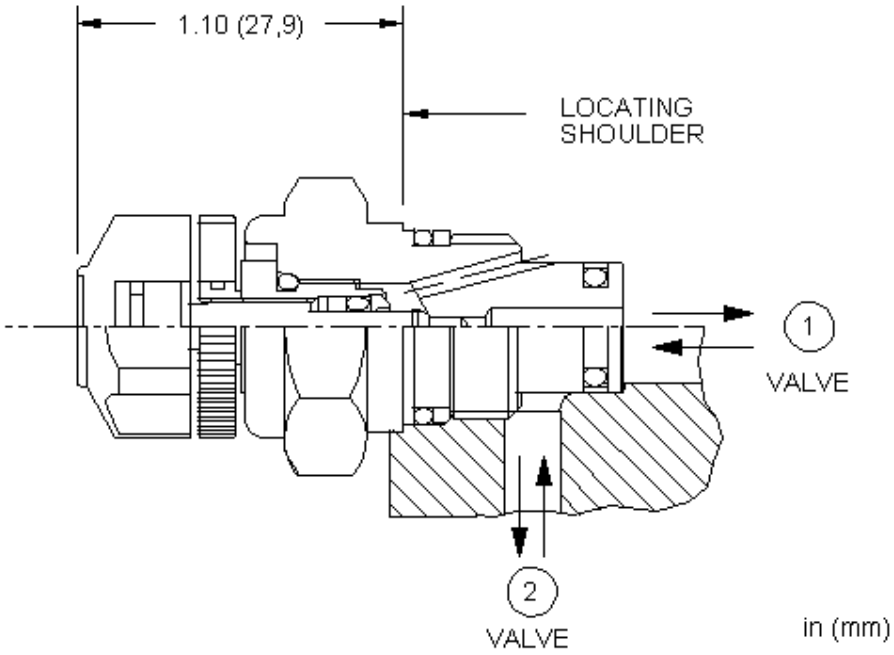
Fully adjustable needle valve - pilot capacity

Capacity:
.035 in. (0,9 mm)

Model:
NFAB

Product Description

Two-port, pilot-stage needle valves are fully adjustable devices used to regulate pilot flow in a main-stage valve or to meter in/out flow in low flow applications. These cartridges are designed for pilot flow applications and utilize Sun's T-8A cavity so they can be used in conjunction with Sun's pilot-operated, main-stage valves.



Technical Features

- Utilizes the Sun T-8A 2-port cavity making it the ideal choice to use in conjunction with Sun's main stage pilot or vent-to-operate cartridges. Separate pilot lines are eliminated and only one cavity needs to be machined to accommodate both the control and primary function. Note: All 2-position, 2-way pilot stage control cartridges utilize the same cavity and are physically interchangeable. Functionality is the only consideration.
- Note: The main stage valve should first be installed to the correct torque value followed by the T-8A pilot control section into the main stage valve to its required torque value.
- Ports 1 and 2 may be pressured to 5000 psi (350 bar).
- Needle adjusts from fully closed to fully open in three complete turns resulting in extremely fine resolution.
- Adjustment mechanism equipped with locking device to maintain consistent orifice dia/flow rate.
- Leakage rate at shutoff is less than 1 drop/min.

Technical Data

	U.S. Units	Metric Units
Cavity	T-8A	
Capacity	.035 in.	0,9 mm

Adjustment - Number of Counterclockwise Turns - Fully Closed to Fully Open	3	
Effective Orifice Size	.035 in.	0,9 mm
Maximum Operating Pressure	5000 psi	350 bar
Series (from Cavity)	Series P	
Valve Hex Size	7/8 in.	22,2 mm
Valve Installation Torque	20 - 25 lbf ft	27 - 34 Nm
Seal Kits - Cartridge	Buna: 990-008-007	
Seal Kits - Cartridge	Viton: 990-008-006	
Model Weight	0.15 lb.	0.07 kg.

NFAB-KXN

Control		Maximum Orifice Diameter		Seal Material	
Standard Options		**Standard Options**		**Standard Options**	
K	Handknob	**X**	.03 in. (0,8 mm)	**N**	Buna-N
				V	Viton