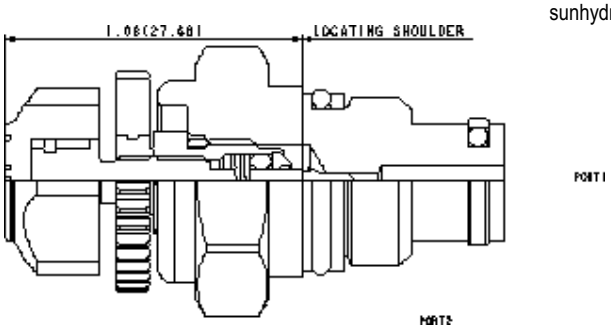
MODEL
NFAB

Fully adjustable needle valve - pilot capacity
SERIES P / CAPACITY: 0,8 L/min. (0,9 mm) / CAVITY: T-8A

sunhydraulics.com/model/NFAB





CONFIGURATION

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

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 DATA

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

Cavity	T-8A
Series	P
Capacity	0,8 L/min. (0,9 mm)
Maximum Operating Pressure	350 bar
Adjustment - No. of CCW Turns from Fully Closed to Fully Open	3
Effective Orifice Size	0,9 mm
Valve Hex Size	22,2 mm
Valve Installation Torque	27 - 33 Nm
Seal kit - Cartridge	Buna: 990008007
Seal kit - Cartridge	EPDM: 990008014
Seal kit - Cartridge	Polyurethane: 990008002
Seal kit - Cartridge	Viton: 990008006
Model Weight	0.07 kg.

CONFIGURATION OPTIONS

Model Code Example: NFABKXN

CONTROL (K)	MAXIMUM ORIFICE DIAMETER (X)	SEAL MATERIAL (N)
K Handknob	**X** .03 in. (0,8 mm)	**N** Buna-N
		E EPDM
		V Viton

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.

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