

Air Operator Technical Data

10N Series

10,000 psig (690 bar)

Basic Ordering Number		System Pressure KSI (MPa)								Stem Travel in. (mm)	Flow Coefficient (Cv)
		1-4 (6.9-27.6)	6 (41.4)	8 (55.2)	10 (69.0)						
10NSS-2FH9-X	Air Pressure psig (bar)	25 (1.7)	35 (2.4)	40 (2.8)	50 (3.5)					0.24 (6.0)	1.75
10NSS-2FH12-X	Air Pressure psig (bar)	25 (1.7)	35 (2.4)	45 (3.1)	50 (3.5)					0.35 (9.0)	2.80
10NSS-2FH16-X	Air Pressure psig (bar)	30 (2.1)	40 (2.8)	50 (3.5)	60 (4.2)					0.39 (10.0)	5.20
10NSS-FNS12-X 10NSS-FRT12-X	Air Pressure psig (bar)	25 (1.7)	30 (2.1)	35 (2.4)	40 (2.8)					0.35 (9.0)	2.09
10NSS-FNS16-X 10NSS-FRT16-X	Air Pressure psig (bar)	25 (1.7)	30 (2.1)	40 (2.8)	45 (3.1)					0.39 (10.0)	3.40

NOTES: 1. -X: Designator of valve flow patterns. Valves are available in 6 different flow patterns (-1 to -6). For details please

refer to the FITOK Catalog for Medium & High Pressure Needle Valves.

2. The values of Cv shown are for 2-way straight pattern valves.

3. The values of Cv for 2-way angle patterns will increase by about 50% (with water).

4. All dimensions are for reference only and are subject to change.

Medium & High Pressure Fittings and Tubing

Quick Couplings

Medium & High Pressure Valves

Line Filters

Sour Service Products

Subsea Valves

Tools and Installation Instructions

Technical Information