Flow Control Valves

NV1-10

Needle valve, Fully Adjustable, Fine Metering

210 bar [3000 psi] • 45 l/min [12 US gpm]

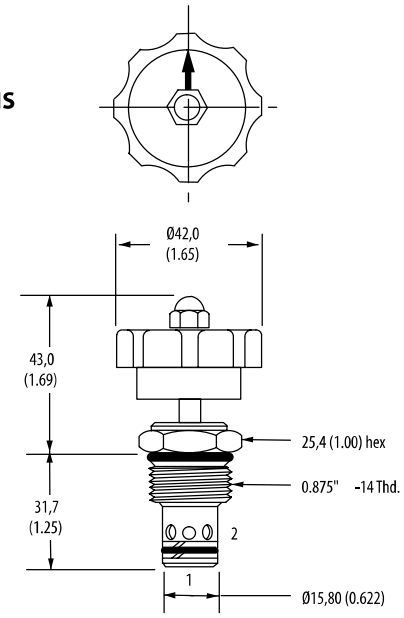
DESCRIPTION AND OPERATION

This needle valve with fine metering is a variable orifice used to create a pressure drop when flow passes from port 1 to 2 or port 2 to 1. Clockwise rotation of the adjustment screw decreases the flow setting until it is completely closed.

SCHEMATIC

DIMENSIONS

mm [in]

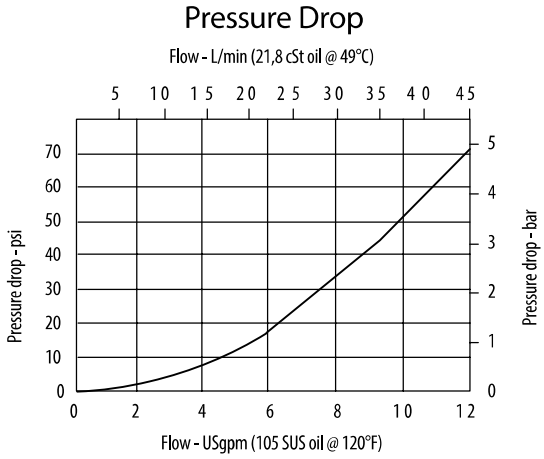


Installation Torque:
47-54 Nm [35-40 ft. lbs]

PERFORMANCE DATA

Rated pressure	**210 bar [3000 psi]**
Rated flow	**45 l/min [12 US gpm]**
Leakage	5 drops/min @ 210 bar [3000 psi]
Weight	0.11 kg [0.24 lb]
Cavity	SDC10-2

PERFORMANCE CURVES



MODEL CODE

NV1 - 10 - V - K - 0

Seal Option

Code	Seal Kit
Omit-Buna - N	565806
V-Viton	889627

Adjustment Option

K - Knob [black]
R - Knob [red]

Housing

Code	Ports	Aluminium Standard duty	Aluminium Heavy duty
0	No housing		
3B	3/8" BSP	02-175462	
6T	#6 SAE	566151	
2G	1/4" BSP		876702
3G	3/8" BSP		876703
6H	#6 SAE		876700
8H	#8 SAE		876701

* Aluminum bodies are to be used for pressures less than 210 bar [3000 psi].
* Additional housings available