

Flow Control Valves

CP618-6

Needle valve, Fully Adjustable, Fine Metering

310 bar [4500 psi] • 11 l/min [3 US gpm]

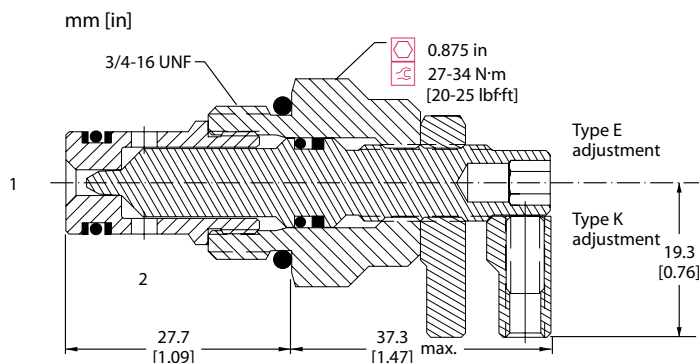
DESCRIPTION AND OPERATION

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. The setting can be locked by tightening lock nut or knob on the adjustment screw.

SCHEMATIC



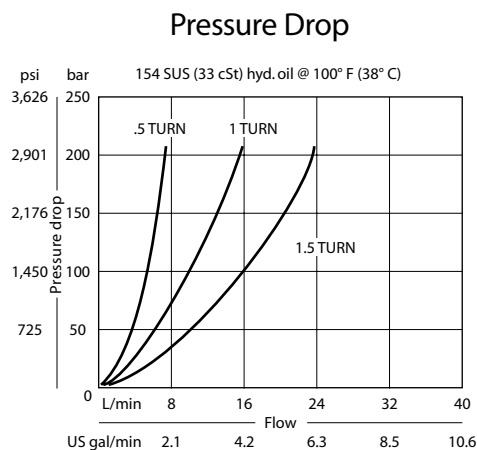
DIMENSIONS



PERFORMANCE DATA

Rated pressure	310 bar [4500 psi]
Rated flow	11 l/min [3 US gpm]
Leakage	6 drops/min @ Rated pressure
Weight	0.12 kg [0.26 lb]
Cavity	SDC08-2

PERFORMANCE CURVES



MODEL CODE

CP618 - 6 - B - 6S - K

Seal Option

Code	Seal Kit
B-Buna - N	120227
V-Viton	120228

Adjustment Option

E - External
K - Knob

Housing

Code	Ports	Housing Model Code
0	No Housing	No Housing
DG2B	AL, 1/4 BSP	SDC08-2-DG-2B
DG3B	AL, 3/8 BSP	SDC08-2-DG-3B
4S	AL, #4 SAE	CP08-2-4S
6S	AL, #6 SAE	CP08-2-6S

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

* Additional housings available