

Flow Control Valves

CP613-1

Needle Valve, Fully Adjustable

210 bar [3000 psi] • 380 l/min [100 US gpm]



DESCRIPTION AND OPERATION

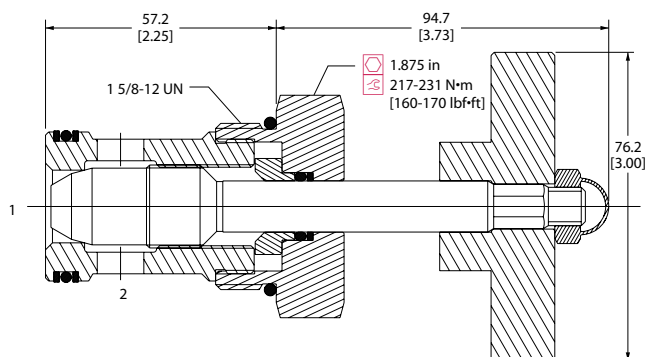
This needle valve is a variable orifice used to create a pressure drop when flow passes from port 1 to 2 or port 2 to 1. Clockwise rotation of the adjustment screw decreases the flow setting until it is completely closed.

SCHEMATIC



DIMENSIONS

mm [in]

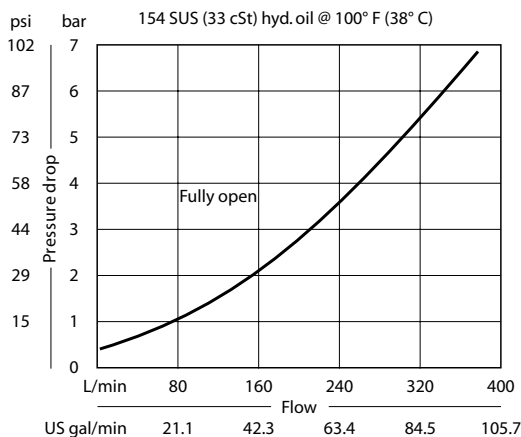


PERFORMANCE DATA

Rated pressure	210 bar [3000 psi]
Rated flow	380 l/min [100 US gpm]
Leakage	6 drops/min @ Rated pressure
Weight	0.85 kg [1.87 lb]
Cavity	SDC20-2

PERFORMANCE CURVES

Pressure Drop



MODEL CODE

CP613 - 1 - B - 16S

Seal Option

Code	Seal Kit
B-Buna - N	120172
V-Viton	120173

Housing

Code	Ports & Material	Housing Model Code
0	No Housing	No Housing
8B	AL, 1 BSP	CP20-2-8B
10B	AL, 1-1/4 BSP	CP20-2-10B
16S	AL, #16 SAE	CP20-2-16S
20S	AL, #20 SAE	CP20-2-20S

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

* Additional housings available