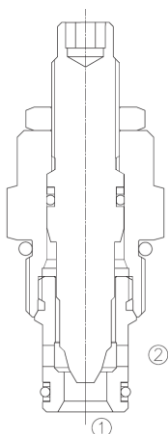
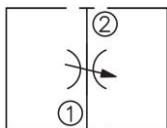


Overview



Symbol



Description

The NV-10-20 is a screw-in, cartridge style, hydraulic needle valve used as a flow restrictor valve in hydraulic circuits.

Operation

The NV-10-20 valve increases its flow path from a fully closed position to a fully open position by turning the knob / Allen screw in the counter clockwise rotation.

Features

- Hardened seat for long life and low leakage.
- Desired setting can be locked down.
- Aluminium knob option.
- Positive shut off.
- Linear adjustment.
- Industry common cavity.

Ratings

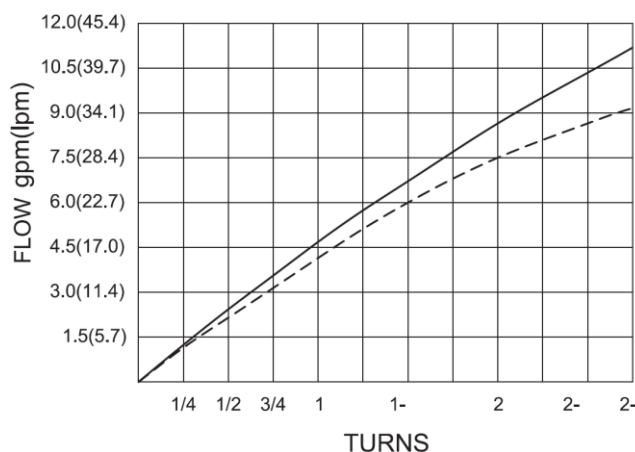
Operating Pressure	250 Bar
Flow Rating	Refer Pressure drop VS Flow Graph
Internal Leakage	3 drops/min max at 250 Bar at fully closed condition.
Temperature	-40 to 100° C - with buna N Seals (Nitrile) -26 to 204° C - with fluorocarbon Seals (Viton)
Filtration	Maximum Fluid Contamination Level 20/18/14 as per ISO 4406
Fluids	Mineral Based Fluids with viscosities of 7.4 to 420 cSt
Cavity	C-10-2, Refer Next Page

Performance

Path	: 1 to 2 (or) 2 to 1
Media	: ISO VG32 oil @ 40°C

Pressure drop VS Flow

$\Delta P = 6.9 \text{ bar/100 psi}$ —
 $\Delta P = 5.5 \text{ bar/80 psi}$ - - -

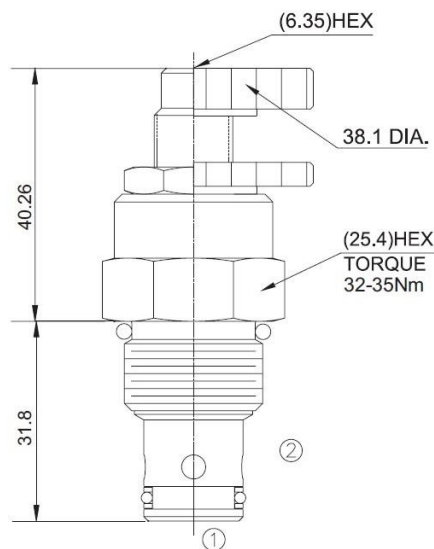


Model Code

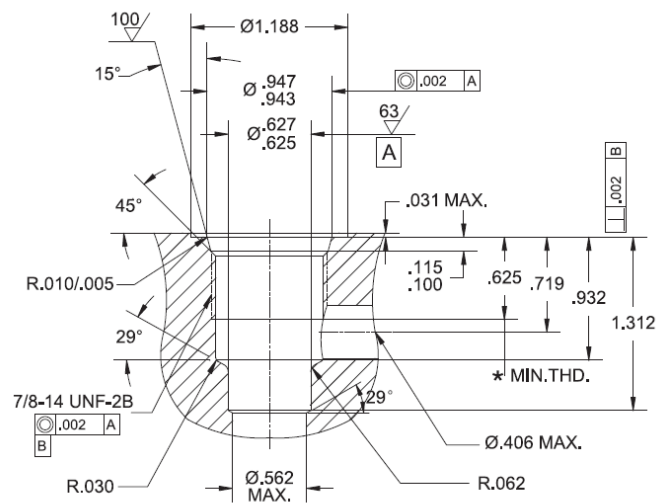
NV	-	10-20	-	-	-	-
Adjustable Needle Valve		Size		Seals N-Buna N (Std) V- Fluorocarbon		Port Size 6T = SAE 6 8T = SAE 8 3G = G 3/8 4G = G 1/2
				Adjustment K – Aluminium Knob-1" Dia.		

Installation Specifications

Unit= Millimeter



Unit = Inch



CAVITY:10-2

Note : Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.