

Needle Valve

Type: NV10-P0

Operating pressure: 250 bar (3600 psi)

Proof pressure: 375 bar (5500 psi)

Flow: 45 L/min



Description

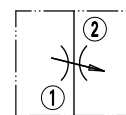
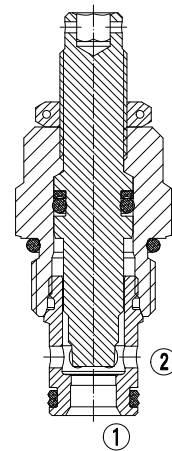
A screw-in, cartridge-type, variable orifice, flow restrictor hydraulic valve.

Operation

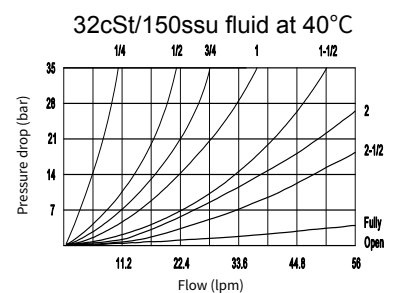
The NV10-P0 allows the orifice to change from fully closed to fully open with counterclockwise adjustment rotation.

Technical Data

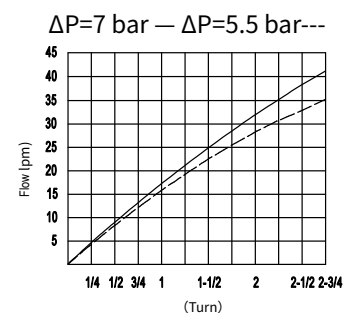
Operating pressure	250 bar (3600 psi)
Proof pressure	375 bar (5500 psi)
Flow	45 L/min nominal at 7 bar (101 psi) differential at full open 4.5 turns.
Internal Leakage	0.05 ml/min (1 drops/min) max. at shut-off status
Adjustment torque required	0.56 Nm (0.41 ft.lbs) at 7 bar (101 psi); 5.41 Nm (3.99 ft.lbs) at 210 bar (3045 psi)
Temperature range	-40°C ~ 120°C with standard buna seals -26°C ~ 204°C with fluorocarbon seals -54°C ~ 107°C with polyurethane seals
Fluids	Mineral based or synthetics with lubricating properties at viscosities of 7.4~420cSt (50-2000ssu)
Installation	No restriction
Cavity	VC10-2
Cativity tool	T10-2RC (Rough), T10-2FM (Finishing)
Seal kit	SK10-2X-M



(Symbol)



((Performance Chart 1))

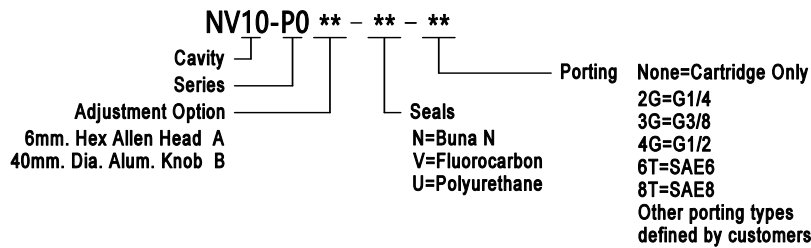


((Performance Chart 2))

Features

- Adjustment cannot be backed out of valve.
- Desired settings can be locked down.
- Linear adjustment.
- Aluminum-alloy knob option.
- Positive shut-off.
- Hardened surface for long life.
- Industry common cavity.
- Compact size.

Ordering Code



Materials

Cartridge: Weight: 0.15 kg (0.33 lbs) ; Steel with hardened working surfaces and zinc-plated exposing surfaces ; Buna N O-rings and back-up(standard).Optional for aluminum-alloy knob.

Standard ported body: Weight : 0.16 kg (0.35 lbs) ; Anodized high-strength 6061 T6 aluminum alloy, rated to 250 bar (3600 psi).

Others: Ductile iron bodies and steel bodies available. Dimensions may differ. Contact after sale.

Dimensions

