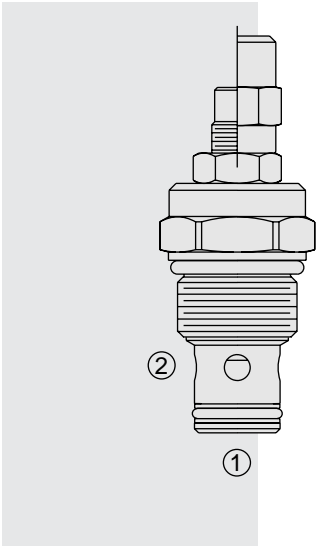


FLOW CONTROLS

NV10-22 Needle Valve, Lockable



DESCRIPTION

A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve that requires only 5-1/2 turns for full adjustment.

OPERATION

The **NV10-22** increases its orifice value from fully closed to fully open with counter-clockwise adjustment rotation. Effective adjustment is linear over the 5-1/2 turn adjustment range. Settings are lockable in any position.

FEATURES

- Adjustments cannot be backed out of the valve.
- Desired setting may be locked down.
- Hardened parts for long life.
- Industry common cavity.
- Positive shut-off.
- Linear adjustment.

RATINGS

Operating Pressure: Inlet: 240 bar (3500 psi)

Flow: 57 lpm (15 gpm) nominal at 11 bar (160 psi) at full open 5.5 turns

Internal Leakage: 0.05 cc/minute (1 drop/minute) max. at shut-off

Temperature: -40 to 120°C with Buna N seals

Filtration: See page 9.010.1

Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus); See Temperature and Oil Viscosity, page 9.060.1

Installation: No restrictions; See page 9.020.1

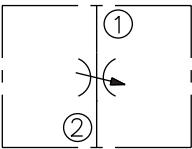
Cavity: VC10-2; See page 9.110.1

Cavity Tool: CT10-2X-X; See page 8.600.1

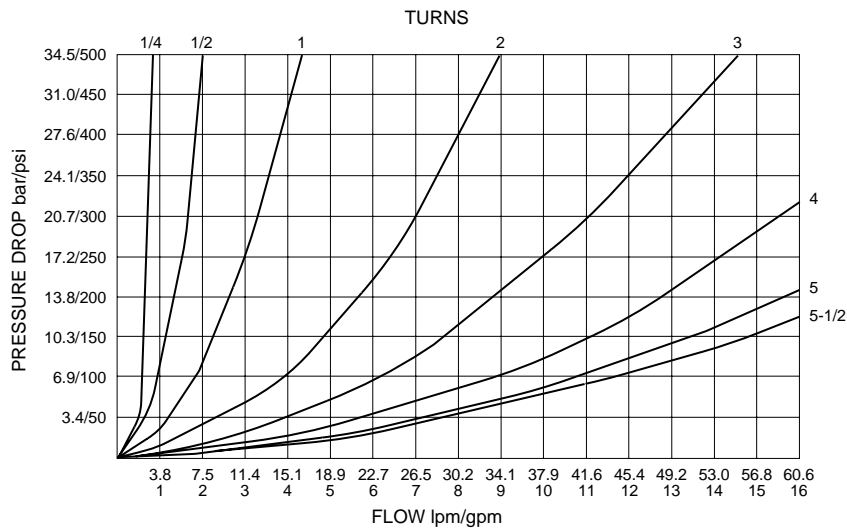
Seal Kit: SK10-2X-M; See page 8.650.1

SYMBOLS

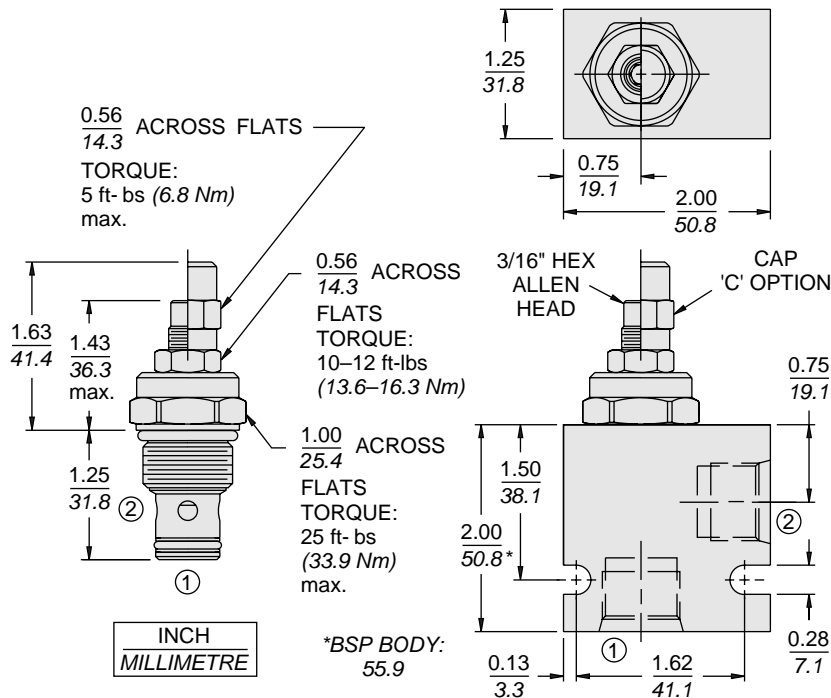
USASI/ISO:



PERFORMANCE (Cartridge Only)



DIMENSIONS



MATERIALS

Cartridge: Weight: 0.15 kg. (0.33 lbs.)
Steel with hardened work surfaces.
Zinc-plated exposed surfaces.
Buna N O-rings and polyester elastomer back-ups standard.
Anodized aluminum knobs.

Standard Ported Body: Weight:
0.16 kg. (0.35 lbs.) Anodized high-strength 6061 T6 aluminum alloy, rated to 207 bar (3000 psi). Ductile iron bodies available; dimensions may differ. See page 8.010.1

TO ORDER

