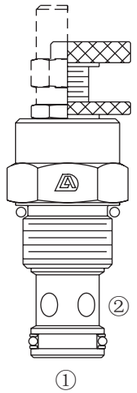
DANV12-20 Needle Valve



DESCRIPTION

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

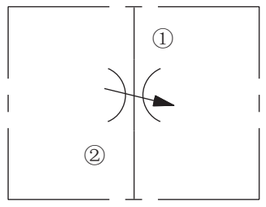
OPERATION

The DANV12-20 increases the size of its orifice from fully closed to fully open with counter clockwise adjustment rotation.

FEATURES

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

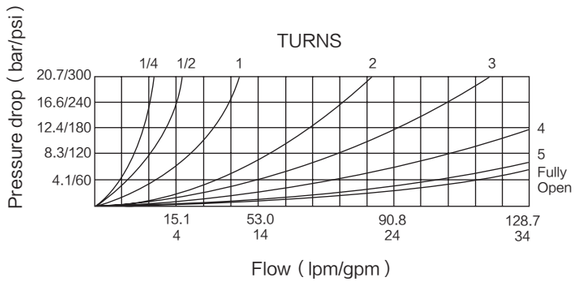
ISO SYMBOL

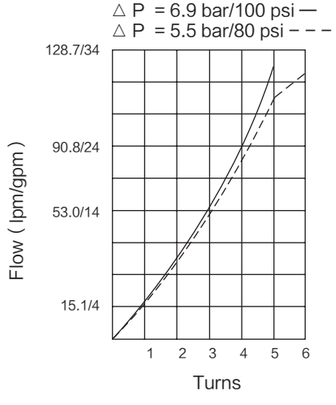


RATINGS

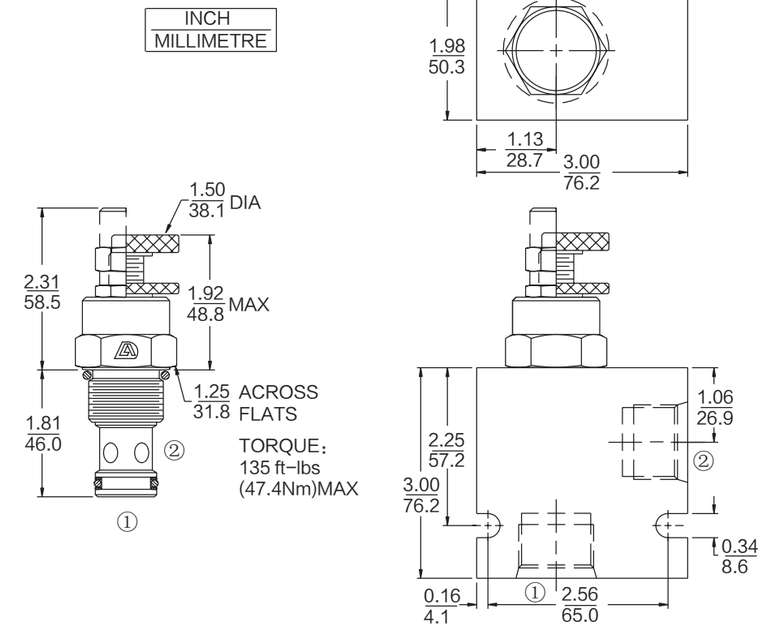
Operating Pressure:240 bar （3500 psi）
Flow:
113.6 lpm (30 gpm) nominal at 7 bar (100 psi) at full open 4.5 turns
Internal Leakage:
0.15 ml/minute (3 drops/minute) max. at shut-off
Adjustment Torque Required:0.
17 Nm (1.5 lb.-in.) at 7 bar (100 psi);
16.9 Nm (150 lb.-in.) at 207 bar (3000 psi)
Temperature:-40℃ ~ 120℃
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 ssu)
Cavity：T12-2A；See page 304.

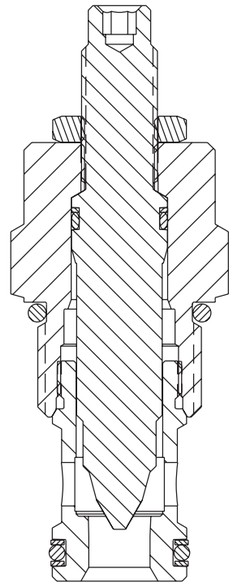
PERFORMANCE (Cartridge Only)





DIMENSIONS





MATERIALS

Cartridge: Weight:0.20kg（0.45 lbs）；
Steel with hardened work surfaces.
Zinc-plated exposed surfaces.
Buna N O-rings and polyester elastomer back-ups standard.
Anodized aluminum knobs.
BODY:Weight:
0.57kg（1.25 lbs）；
Anodized high-strength aluminum alloy, rated to 240 bar (3500 psi).
Ductile ironbodies available; dimensions may differ.

TO ORDER

DANV12-20 - - -

Adjustment Option

1/4 in. Hex Allen	A
Head1-1/2 in. Dia. Alum.	B
KnobsOption A with Cover	C
CapTop Knob with Lock	D
NutTop Knob Only	E

Seals

N	Buna N (Std.)
V	Fluorocarbon

Porting

0	Cartridge Only
10T	SAE10
12T	SAE 12
16T	SAE 16
4B	1/2 in. BSP*
6B	3/4 in. BSP*
8B	1 in. BSP*