



5.4

# 35N10-20 TYPE

## Needle Valve

Rated pressure (bar / psi)	240 / 3500
Peak flow (L/min / gpm)	45 / 12

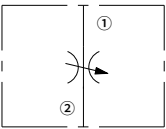
### Features

- 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

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### Symbol

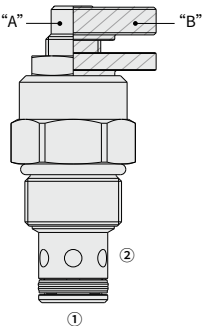


## Description

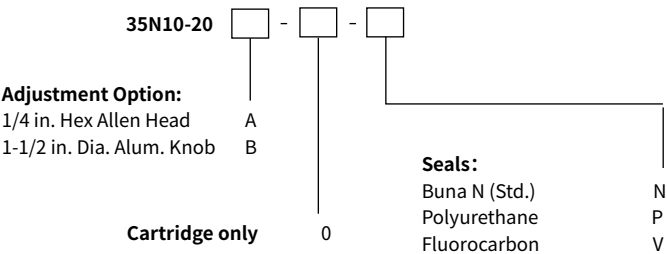
A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve.

## Operation

The 35N10-20 increases its orifice value from fully closed to fully open with counterclockwise adjustment rotation.



## Ordering Code



## Materials

### Cartridge:

Weight: 0.17 kg; Steel with hardened work surfaces. Zinc-plated exposed surfaces; Buna N (Std. ) seal.

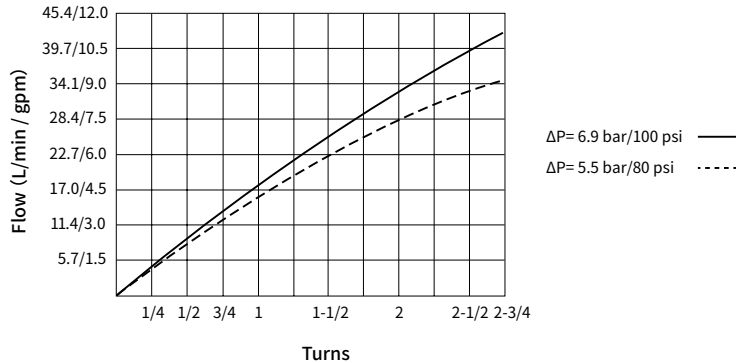
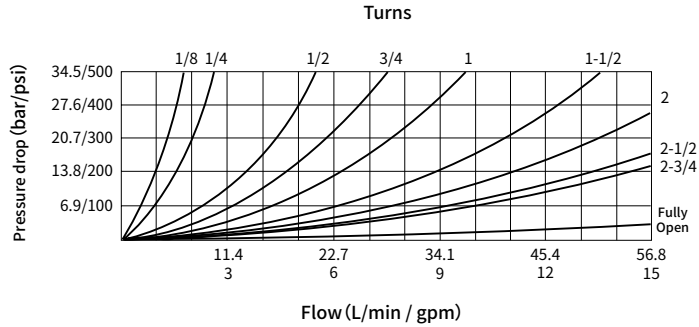
### Standard Ported Body:

Anodized high-strength aluminum alloy, rated to 240 bar; Ductile iron and steel bodies available; Dimensions may differ, consult factory.

Technical Data

Rated pressure	240 bar (3500 psi)
Peak flow	45 L/min (12 gpm) nominal at 7 bar at full open 3.5 turns
Internal leakage	≤ 0.25 mL/min (5 drop/min) at shut-off
Adjustment torque required	0.56 Nm at 7 bar ; 5.41Nm at 207 bar
Cavity	VC10-2
Fluid	Mineral-based or synthetics with lubricating properties
Viscosity range	7.4 to 420 mm <sup>2</sup> /s
Temperature range	-40 to 100 °C (Buna N seals)
	-54 to 107 °C (Polyurethane seals)
	-26 to 204 °C (Fluorocarbon seals)
Degree of fluid contamination	The minimum pollution level is ISO4406 level 18/16/13, and level 15/13/11 is recommended to prolong the service life

Performance (Cartridge Only)



Dimensions

( Dimensions in mm )

