

## Overview



### Description

The NV1-M14 is a screw-in, cartridge-style hydraulic needle valve used as a flow restrictor valve in hydraulic circuits.

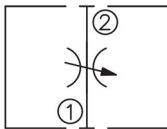
### Operation

The NV1-M14 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.

### Symbol



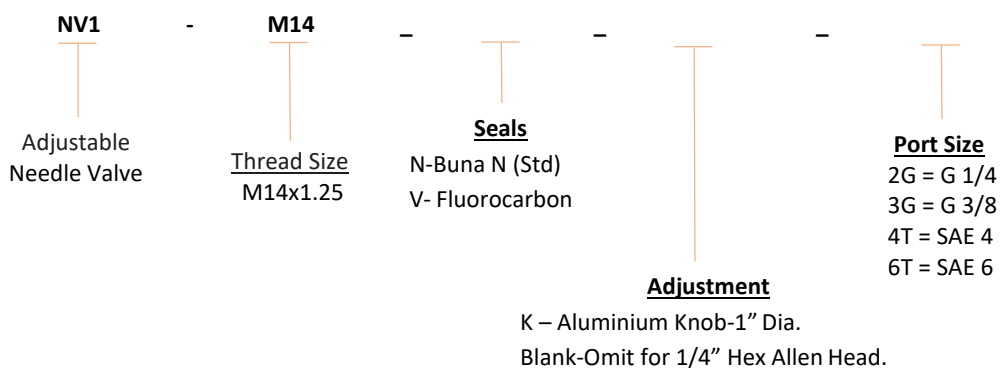
## Ratings

|                    |                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------|
| Operating Pressure | : 250 bar                                                                                        |
| Flow Rating        | : Refer Pressure drop VS Flow Graph                                                              |
| Internal Leakage   | : 5 drops/min max at 250 Bar at fully closed condition.                                          |
| Temperature        | : -40 to 100° C - with buna N Seals (Nitrile)<br>-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             | : M14x1.25                                                                                       |

## Performance

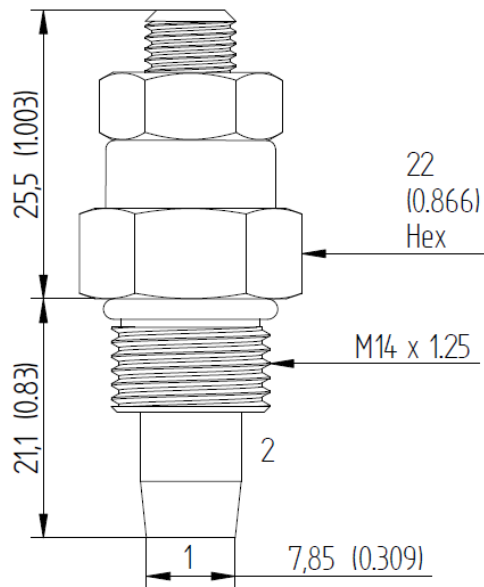
Path : 1 to 2 (or) 2 to 1  
Media : ISO VG32 oil @ 40°C

## Model Code



## Installation Specifications

Unit = Millimeters



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