

[13.7 MPa] For Precise Flow Rate Adjustment



Features

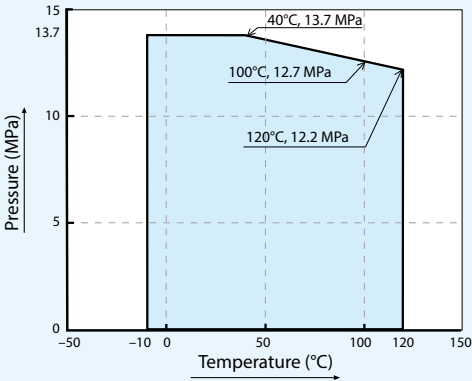
- 1. This needle valve is designed for precise flow rate adjustment and offers excellent flow rate control performance.
- 2. It has a Cv value of 0.004. The Cv value of 0.004 can be adjusted with close to 10 rotations of the handwheel from the fully closed position.
- 3. It has a travel locking mechanism.
- 4. Since the stem uses an exterior-thread screw, the sliding part of the valve is not affected by the fluid.
- 5. Some models have received ministerial certification for use with high-pressure gases.

Technical Data

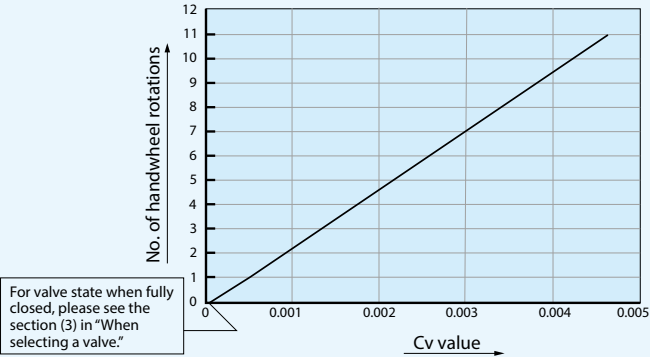
Ordering Numbers	Working Pressure (MPa)	Fluid Temperature (°C)
PUN-913P-6.35-V	13.7 ※	-10 to +120

※ See temperature and pressure rating

Temperature and Pressure Rating



Cv Curve



How to lock the valve

The valve travel lock can be used as follows:

- ① Adjust the valve travel.
- ② Valve travel can be locked by tightening the valve travel locking hexagonal socket head set screw with a HEX 0.9 hexagonal wrench.

How to mount the valve on a panel

The valve can be panel-mounted as follows:

- ① Drill a hole in the panel from 0 to 0.5 mm larger than the drawing dimensions ($\phi 11.4$).
- ② Secure the valve to the panel with the panel nut (HEX 14).

When selecting a valve

1. The valve uses fluorine-based grease on parts that come into contact with liquid or gas in the valve. It is not suitable for use with fluids such as solvents that would dissolve the lubricant. If you are unsure whether the liquid with which you intend to use the valve would dissolve the lubricant, please contact us before ordering.
2. Although the fluororubber sealing O-rings used in the bonnet and gland assemblies offer good corrosion resistance, please consider the rubber material's corrosion resistance and actual performance before use.
3. Since this valve does not have a seat sealing function, a separate stop valve is required if you need to stop flow. The valve is configured to allow flow of 6 to 15 cm³ per min-nor of nitrogen at 0.2 MPa when fully closed.
4. Please note that this valve exhibits a small amount of flow rate variability when being opened and closed (a phenomenon in which the flow rate increases or decreases when the valve is opened or closed).
5. Please contact us if you require another connection type, for example a thread type.

Applicable Fluid

Air, nitrogen gas, inert gas like helium, and non-corrosive gas and liquid.

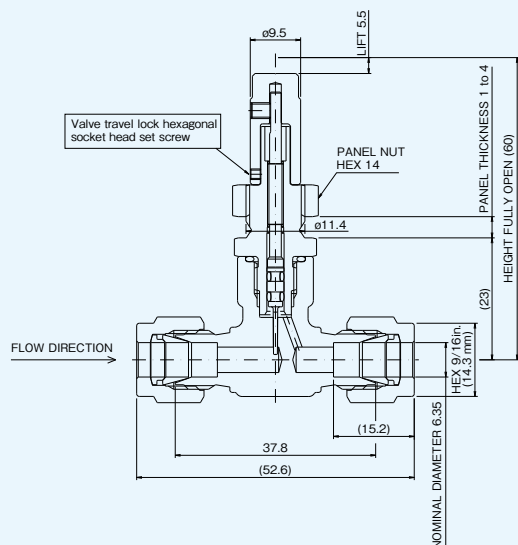
Materials

Description		Materials
Body	※	SUSF316
Stem	※	SUS316
Cap	※	SUS316
O-ring	※	Fluororubber
Handle		SUS303

May use SUS316 or ASTM-spec material (SUS316 equivalent).

※: Wetted part

New V-Lok Type



● Introduction to Other Products

Stainless Steel Types with Cv Value of 0.015, 0.03

UN-14M/UN-34M Series
UN-94M/UN-04M Series

UN-14M Series, UN-34M Series (thread type)

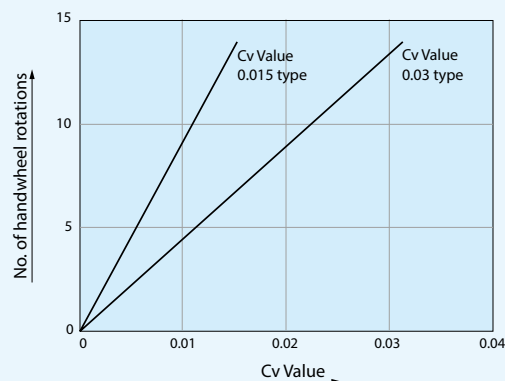


UN-14M Series



UN-34M Series

● Cv Curves



UN-94M Series, UN-04M Series (New V-Lok type)

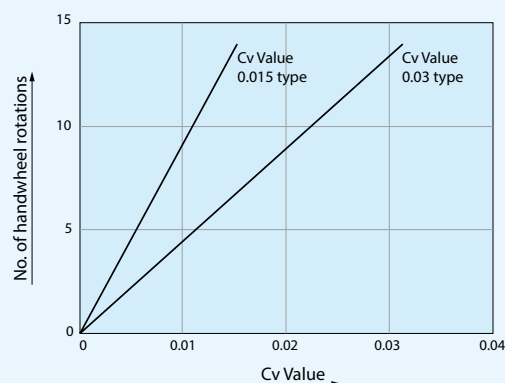


UN-94M Series



UN-04M Series

● Cv Curves



Brass Type with Cv Value of 0.015

DUN-32PGA

DUN-32PGA (thread type)



● Cv Curves

