



FUJIKURA COMPOSITES

“FFNV2” series

Needle valve with multi dial. Various needle lineup!

Air

Liquid

■ Features

- Easy and reliable flow rate control is possible by having multi-dial display of rotation count. Performance is same as FFNV1 series.
- Multi dial is lockable by one touch.
- It corresponds to panel mount installation and easy to mount.



■ Applications

- Machine Tools : Milling machine, NC lathe, laser processing machine etc.
- Industrial furnace : General industrial furnace, heating furnace, vacuum furnace, etc.
- Medical : Endoscope washing device, oxygen concentrator, anesthesia machine etc.
- Analysis equipment: Measurement equipment, component gas analysis, gas analyzer etc.
- Battery : Household fuel cell, secondary battery, gas engine etc.
- Water (liquid) treatment: Pure water production, pure water recycling.
- Gas generator related: Compressor, compact pressure vessel, various gas generator etc.
- Others: Oxygen capsule, gasoline measuring instrument, forklift etc.

■ Specification

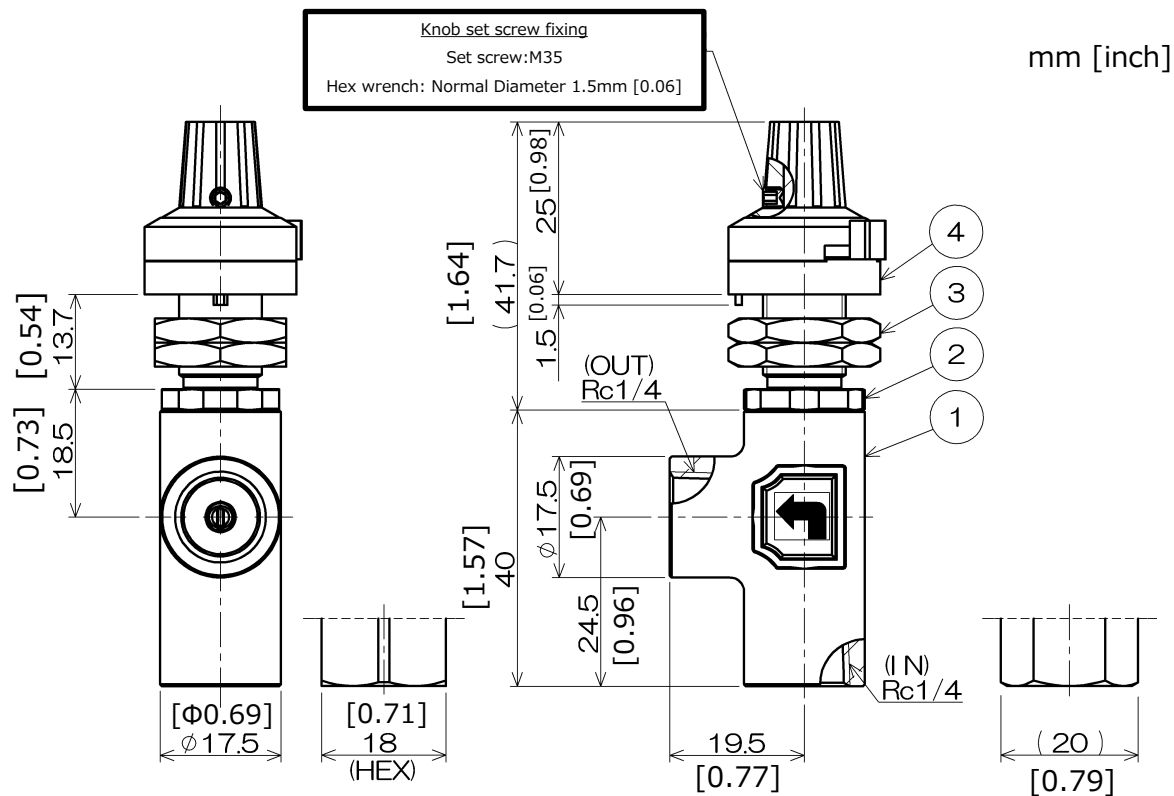
Working fluid	Gas or liquid that touching parts are not corroded.	Body material	Brass	Brass (Nickel plating)
			Stainless	SUS316
Maximum working pressure MPa[psi]	1.0 [145.04]	Materials in contact with gas	Brass	Brass, SUS316, PTFE, FKM(Standard)
			Stainless	SUS316, PTFE, FKM(Standard)
Pressure Resistance MPa[psi]	1.5 [217.56]	Operating temperature range °C[°F]	Brass	0 ~ 60 [32 ~ 140]
			Stainless	0 ~ 120 [32 ~ 248]
Pipe port	Rc1/4	Number of rotations	13 rotations (Dial display will be 20 rotations.)	
Comment	■The standard is for panel mounting, in that case please select option code “F”, for piping. ■Tube piercing fitting specifications correspond only to stainless steel specifications. Please contact us for detailed dimensions.			



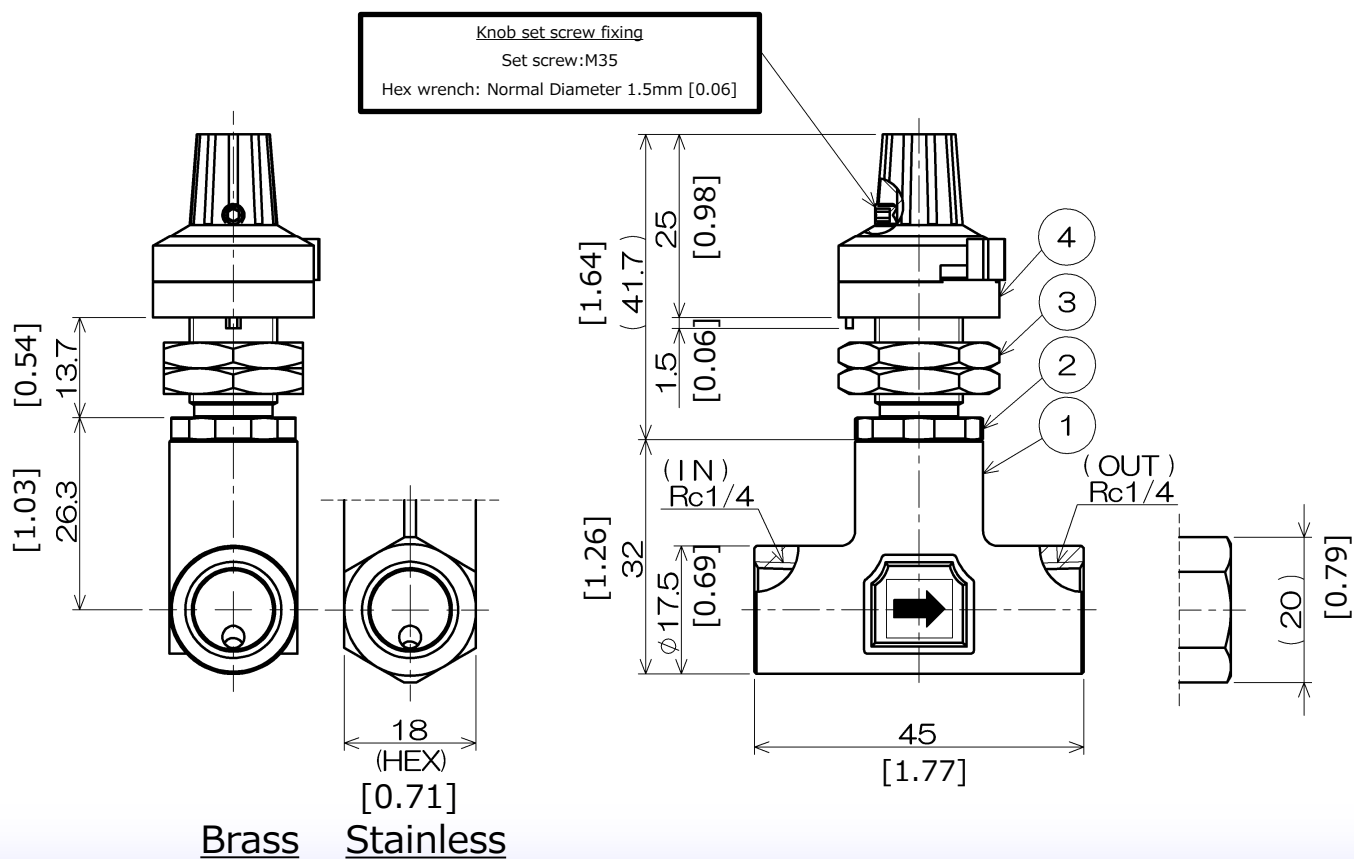
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■ Size

Angle-type(L) standard



Straight-type(T) standard

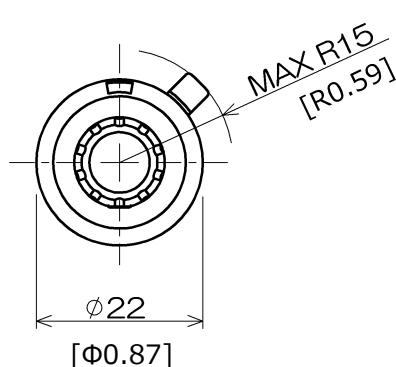




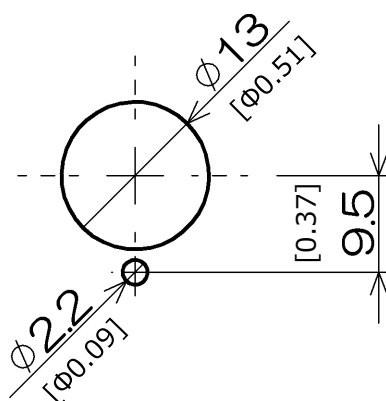
■ Part material list

Number	Name	Material	
		Brass type	Stainless type
①	Valve body	C3771(Nickel plating)	SUS316
②	Needle body	C3604(Nickel plating)	SUS316
③	Panel nut	C3604 (Nickel plating)	
④	Multi dial	Nylon + Aluminum, etc.	

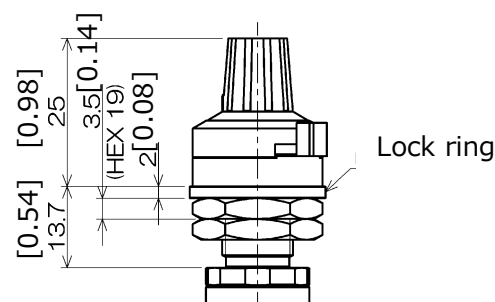
■ Knob Dimensions



■ Panel cut Dimensions



■ Screw joint



■ Model designation



Model name

FFNV2	Precision dial type
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Body material

B	Brass
T	Stainless

Seal material

V	FKM (Standard)
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*Please contact us for other materials.

No oil treatment

None	None
N0	No oil treatment

Additional for piping

None	For panel mount
F	For piping

*A lock ring is added for piping.

Valve type

L	Angle type
T	Straight type

Pipe port

2	Rc 1/4 (Standard)
T1	Φ1/8 tube joint
T2	Φ1/4 tube joint
TM4	Φ4mm[0.16inch] tube joint
TM6	Φ6mm[0.24inch] tube joint

*The material of the tube fitting is SUS only.

Needle No.

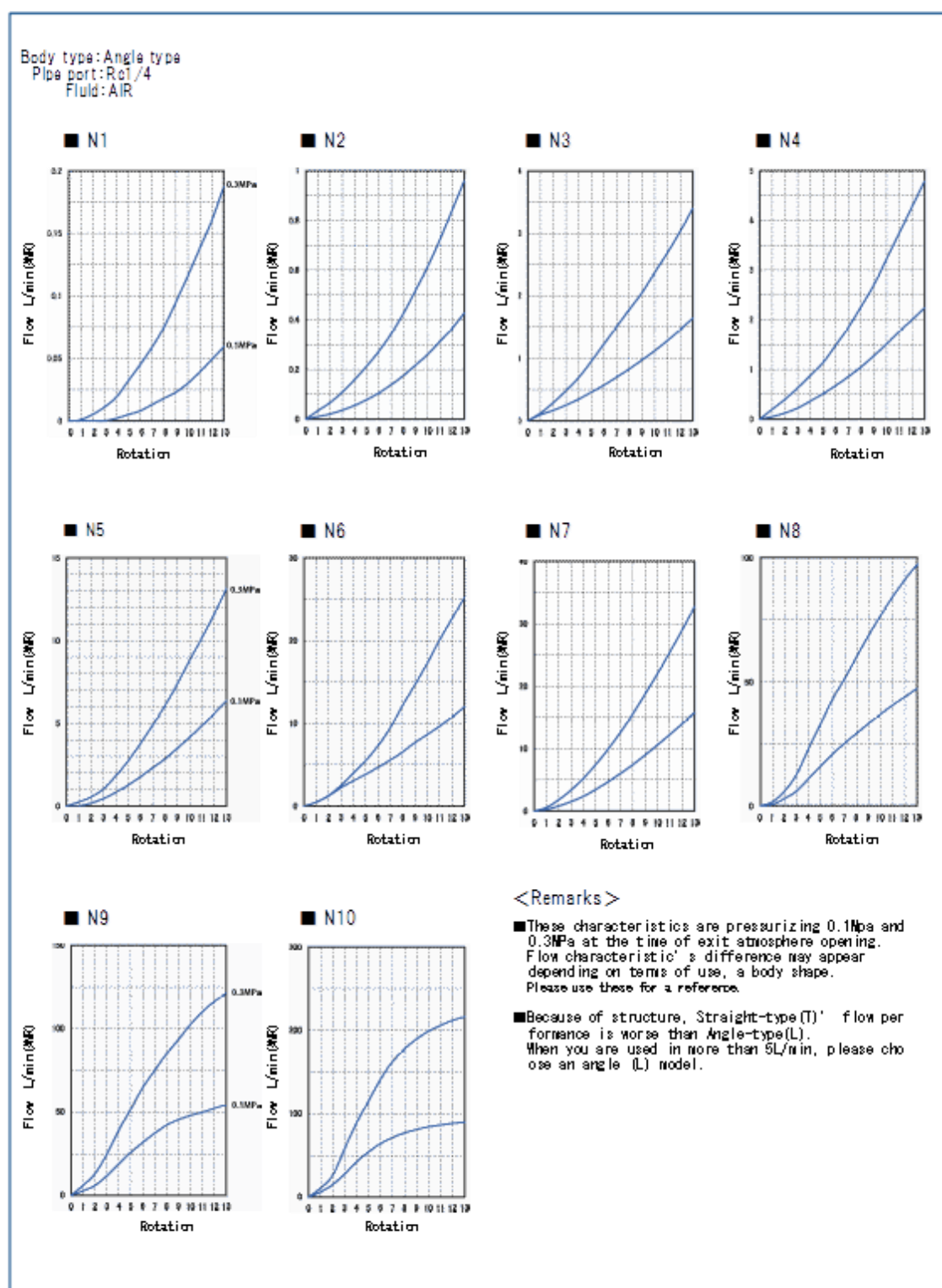
Needle No	Maximum CV value (When fully open)	Needle No	Maximum CV value (When fully open)
N1	0.00021	N6	0.031
N2	0.0012	N7	0.04
N3	0.004	N8	0.12
N4	0.006	N9	0.15
N5	0.016	N10	0.25

*CV values may differ depending on usage conditions.
Please use as a reference value.



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■ Characteristic



Control Equipment Sales Department

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URL: <https://fujikuracomposites.jp/control/en/company-en/>

Contact: <https://www.fujikuracomposites.jp/control/en/contact-en/>