Needle Valves

FFNV1 series

Needle valve without multi dial. We have abundant needle lineup.



FFNV2 series Needle valve with multi dial. We have abundant needle lineup.





"FFNV1" series



Needle valve without multi dial. Various needle lineup!

Features

-Smooth and precise flow rate control is possible (about 13 rotations) by making the needle part non-rotating structure.

-Needle valve can be set according to usage conditions from a wide range of needle valve lineup.

-We have various seal materials.

Applications

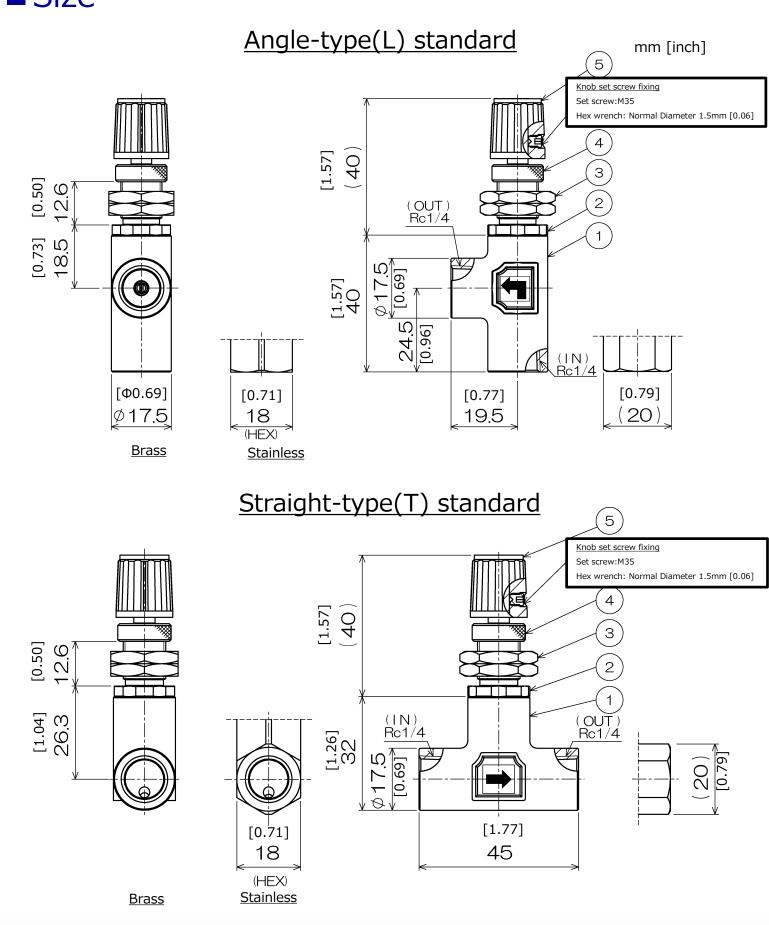
- -Machine Tools : Milling machine, NC lathe, laser processing machine etc.
- -Industrial furnace : General industrial furnace, heating furnace, vacuum furnace, etc.
- -Medical : Endoscope washing device, oxygen concentrator, anesthesia machine etc.
- -Analysis equipment: Measurement equipment, component 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)	
	1.0 [143.04]		Stainless	SUS316, PTFE, FKM(Standard)	
Pressure		Operating	Brass	0~60 [32~140]	
Resistance 1.5 [217.56] Mpa[psi]	temperature range ℃[°F]	Stainless	0~120 [32~248]		
Pipe port	Rc1/4	Number of rotations	13 rotations		
Comment	Tube piercing fitting specifications correspond only to stainless steel specifications. Please contact us for detailed dimensions.				





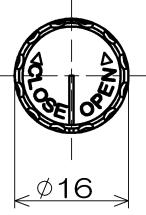




Part material list

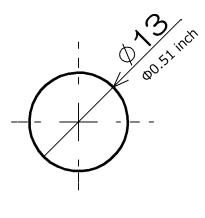
Number	Name	Material			
		Brass type	Stainless type		
1	Valve body	C3771(Nickel plating)	SUS316		
2	Needle body	C3604(Nickel plating)	SUS316		
3	Panel nut	C3604 (Nickel plating)			
(4)	Cover nut	C3604 (Nickel plating)			
(5)	Knob	Nylon (Standard)			

Knob Dimensions

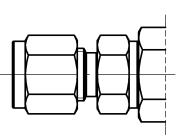


Φ0.63 inch

Panel cut Dimensions

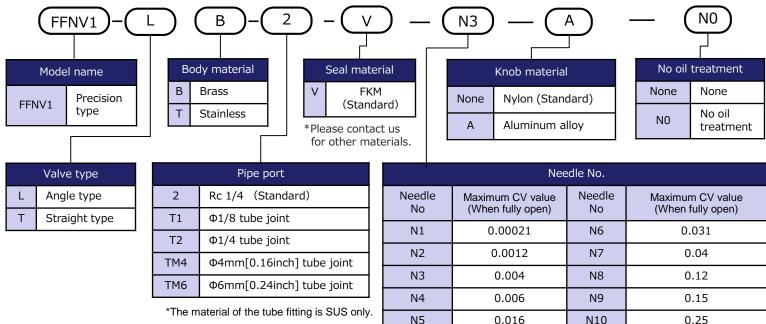


Flareless joint



*Please ask us for dimensions.

Model designation



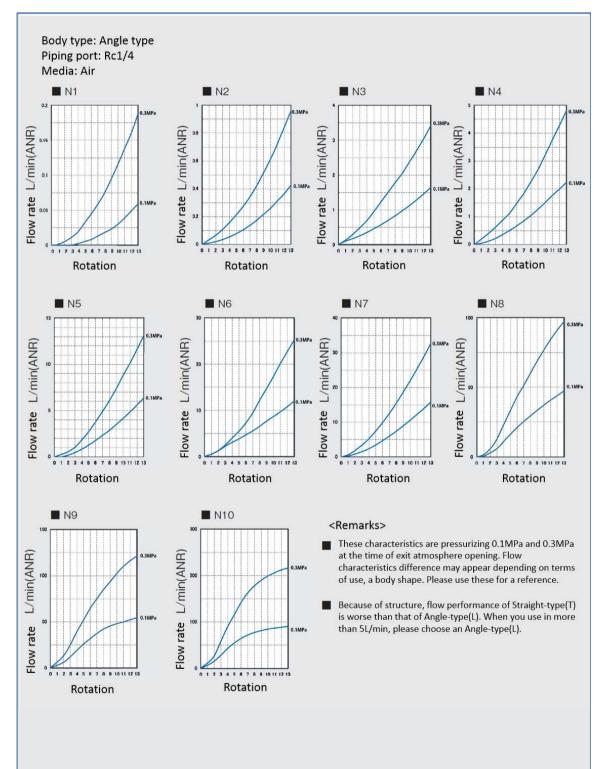
N5

*CV values may differ depending on usage conditions.

Please use as a reference value.



Characteristic





"FFNV2" series



Needle valve with multi dial. Various needle lineup!

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.



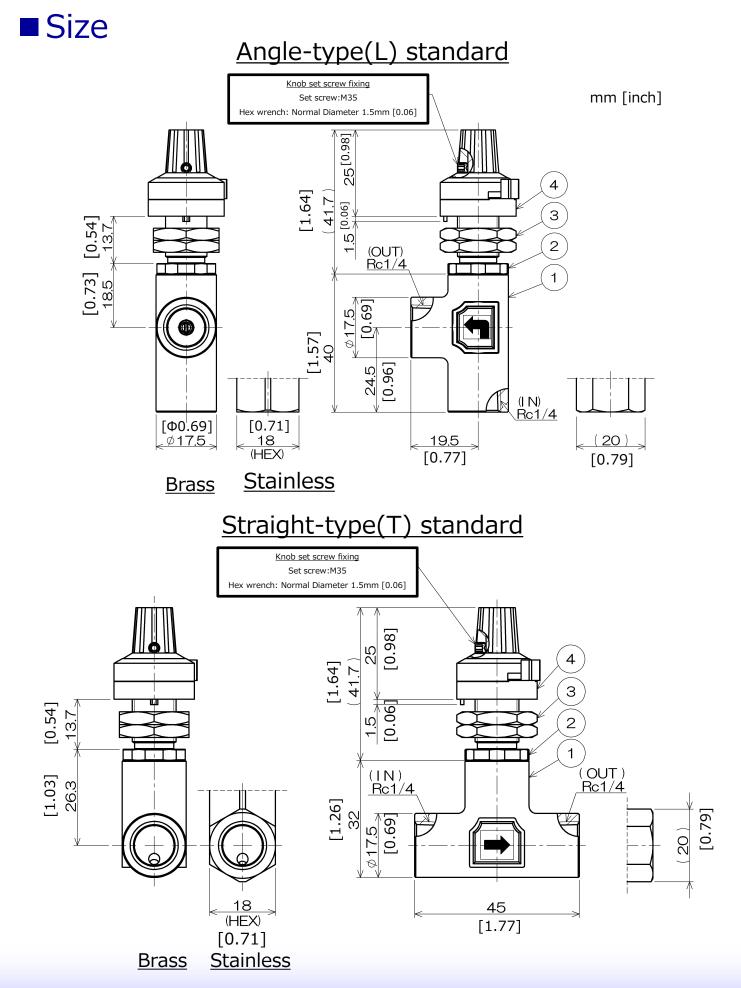
Applications

- -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)		
	are not corroded.		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 1.5 [217.56] MPa[psi]	Operating temperature range ℃[°F]	Brass	0 ~ 60 [32 ~ 140]		
		Stainless	$0 \sim 120 \ [32 \sim 248]$		
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. 				

FUJIKURA COMPOSITES



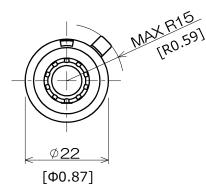


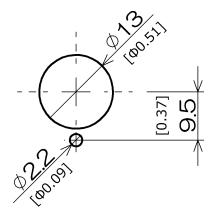
Part material list

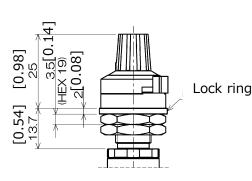
Number	Name	Material		
		Brass type	Stainless type	
1	Valve body	C3771(Nickel plating)	SUS316	
2	Needle body	C3604(Nickel plating)	SUS316	
3	Panel nut	C3604 (Nickel plating)		
4	Multi dial	Nylon + Aluminum, etc.		

■ Panel cut Dimensions

Knob Dimensions

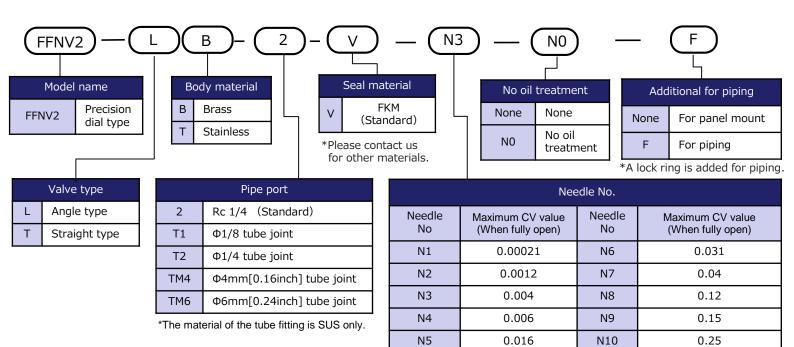






■ Screw joint

Model designation

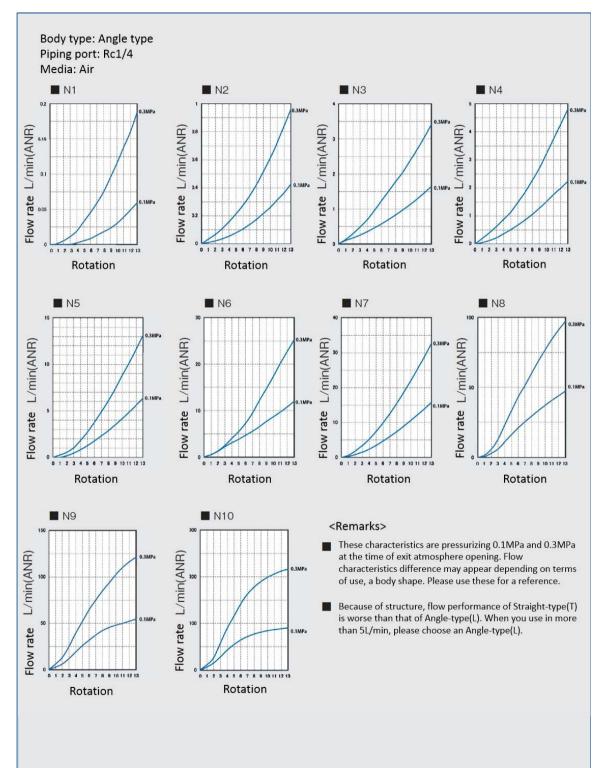


*CV values may differ depending on usage conditions.

Please use as a reference value.



Characteristic





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