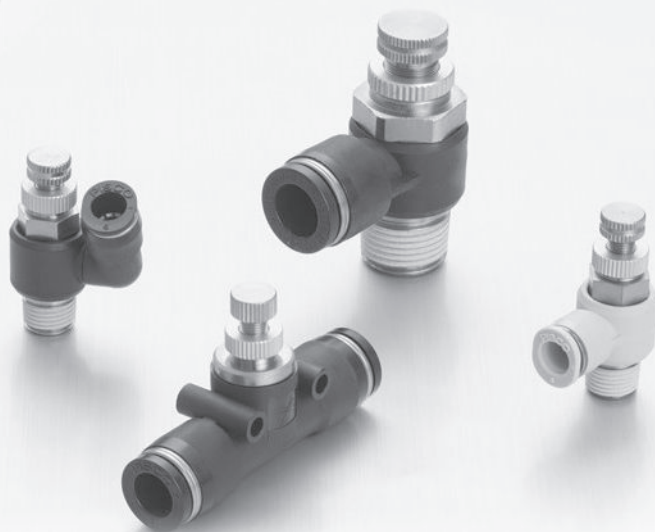
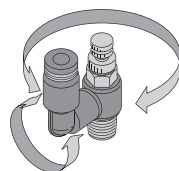




Push-in fitting type Needle Valve Needle Valve Standard Series

- *Control Actuator Speed or Pneumatic Signals.*
- *Adjustable Flow Rate during Air Flow.*
- *Rotatable Resin Body and Fitting for Free Type (JNS).*



New

- *Renewed Union straight to Small union straight.
New construction realized down sizing.*

- *Optional Selection of Body Color (light-gray) and Clean-Room Package.*

Fluorine-based grease is used on O-ring for clean-room package.
Products are packed in a clean room equivalent to ISO class 6 after cleaning.

Specifications

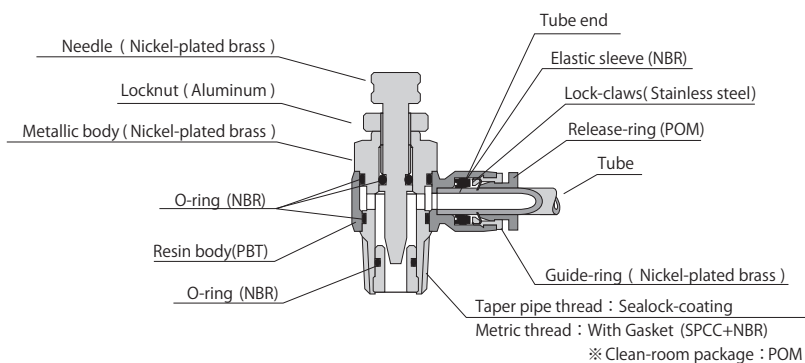
Type	Elbow, Free	Small union straight
Fluid medium	Air	
Max. operating pressure	0.9MPa	1.0MPa
Max. vacuum	-100kPa	
Operating temp. range	0~60°C (No freezing)	

Construction

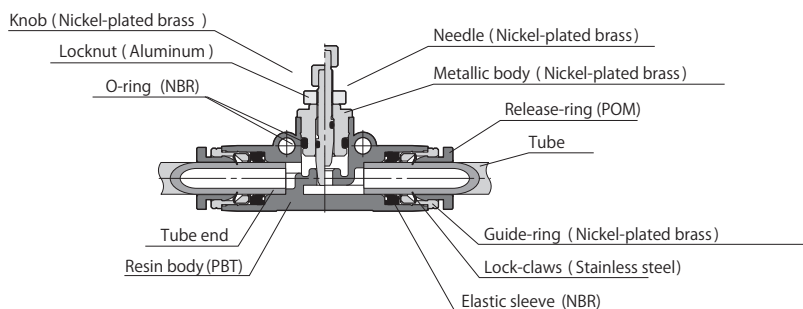


Symbol

● Elbow type : JNC



● Small union straight type : JNMU



Standard Size List

Connection: Thread⇔Tube

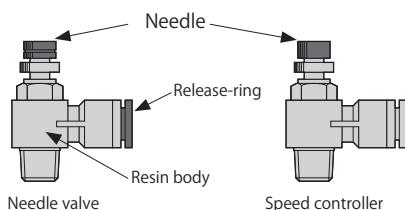
Type	Page	Thread size	Tube O.D.							
			4	6	8	10	12	1/4	5/16	3/8
JNC Elbow	P.496	M5×0.8	●	●				●	●	●
		R1/8	●	●	●	●		●	●	●
		R1/4			●	●			●	●
		R3/8			●	●			●	●
		R1/2					●			

Type	Page	Thread size	Tube O.D.							
			4	6	8	10	12	1/4	5/16	3/8
JNS Free	P.497	M5×0.8	●	●				●	●	●
		R1/8	●	●	●	●		●	●	●
		R1/4			●	●			●	●
		R3/8			●	●			●	●
		R1/2					●			

Tube ⇔ Tube (Equal dia.)

Type	Page	Tube O.D.									
		4	6	8	10	12	5/32	1/4	5/16	3/8	1/2
JNMM Small union straight	P.498	●	●	●	●	●	●	●	●	●	●

How to identify the series of Needle Valve and Speed Controller



Series	Release-ring Color	Resin body Color	Needle
Needle valve	Black	Black	With groove※
Needle valve Clean-room pkg.	Light-blue	Light-gray	
Needle valve PP series	Semi-transparent	Semi-transparent	With groove※
Speed controller	Black	Black	Without groove

※. No groove on Small union straight type.

Applicable Tube and Related Products

Polyurethane Tube

Nylon Tube

Fluororesin Tube (PFA) with clean-room package

Fluororesin Tube (FEP) with clean-room package

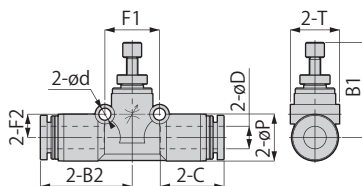
Polyurethane Tube with clean-room package

■ Connection : Tube ⇄ Tube

JNMU Small union straight

RoHS compliant

Renewal



Unit : mm

Model code	Tube O.D. øD	B1		B2	øP	T	Tube end C	ød	F1	F2	Weight (g)	CAD File name
		max.	min.									
JNMU4□	4	20.5	18.1	21	10	10.5	14.9	3.2	12.7	4.8	8.9	JNMU4_
JNMU6□	6	25.4	21.6	24.4	12.5	13.1	17	3.2	14.8	6.2	14	JNMU6_
JNMU8□	8	28.3	24.6	28	14.8	15.4	18.1	3.2	18.2	7.2	25	JNMU8_
JNMU10□	10	32.8	28.9	31.8	18.2	19.7	20.2	4.2	22.2	8.7	45	JNMU10_
JNMU12□	12	35.4	31.5	36.9	21.2	22.7	23.4	4.2	25.7	10.2	65	JNMU12_
JNMU5/32□	5/32	20.5	18.1	21	10	10.5	14.9	3.2	12.7	4.8	8.9	JNMU5_32_
JNMU1/4□	1/4	25.4	21.6	24.4	12.5	13.1	17	3.2	14.8	6.2	14	JNMU1_4_
JNMU5/16□	5/16	28.3	24.6	28	14.8	15.4	18.1	3.2	18.2	7.2	25	JNMU5_16_
JNMU3/8□	3/8	32.8	28.9	31.8	18.2	19.7	20.2	4.2	22.2	8.7	45	JNMU3_8_
JNMU1/2□	1/2	35.4	31.5	37.2	21.2	22.7	23.7	4.2	25.7	10.2	65	JNMU1_2_

※. □ in Model code / No entry for Black color. Or replaced with color or packaging option code below.

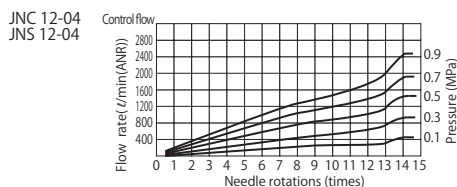
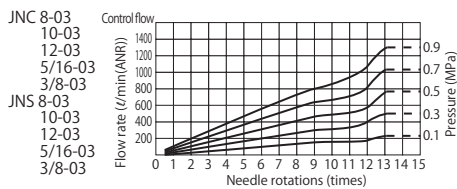
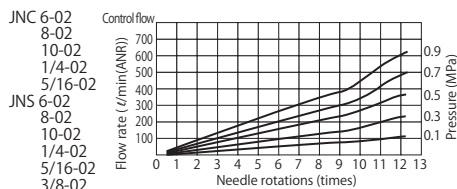
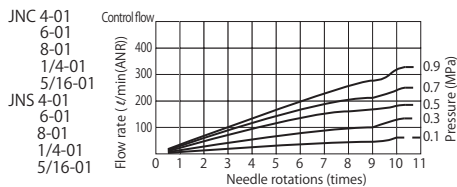
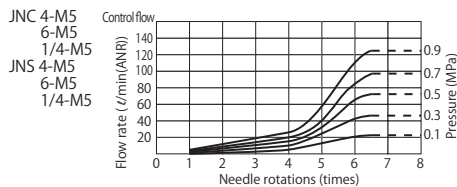
Color : Light-gray ⇒ Code : W、Packaging : Clean-room package ⇒ Code :-C、

Color : Light-gray & Packaging : Clean-room package ⇒ Code : W-C

Needle Valve Standard Series

Flow characteristic

Elbow type / Free type



Small union straight type

