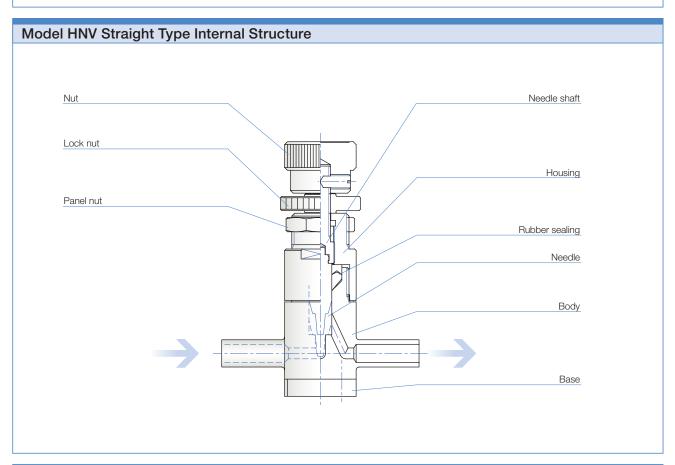
SURPASS

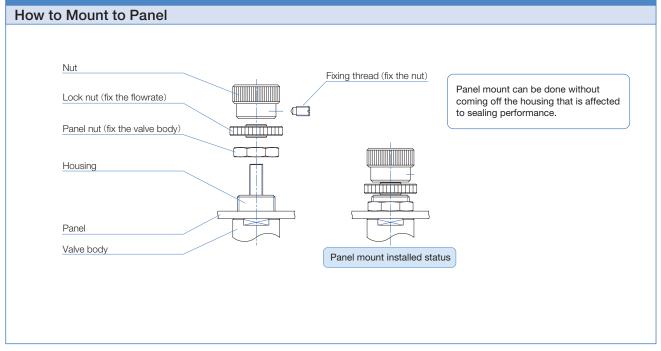
Needle Valves

Needle Valve

Features

- OAdjusting the flowrate accurately and easily with Surpass unique 'Double Tapered' structure.
- OAll produts can be available for panel mount.
- OAs for straight type, it's also mount with base.
- © Easy to install to equipment because of small footprint.





Needle Valves

Model HNV Needle Valve

RoHS2







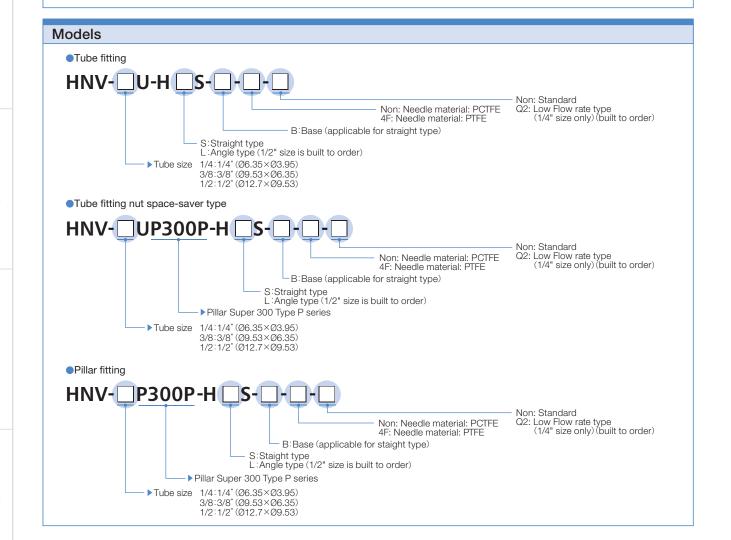
Specifications

Fluids	Fluids (DI water, Chemicals)						
Wetted parts	PTFE, PCTFE*						
Fluid pressure	0~400kPa						
Withstanding pressure	500kPa						
Fluid temperature	5~80℃						
Ambient temperature	5~60°C						

*Wetted parts of 4F type is PTFE only. Nut space-saver type is PTFE and PFA.

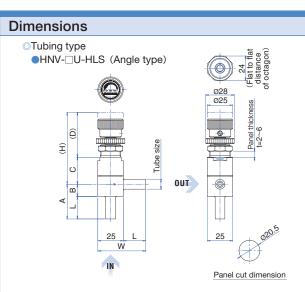
Caution

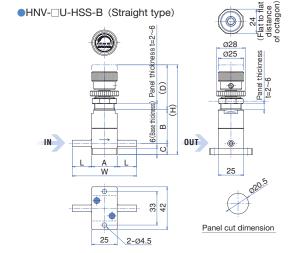
Flow doesn't stop completely. Do not tighten the nut excessively.



SURPASS

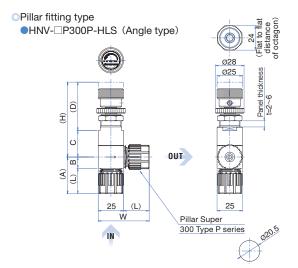
Needle Valves

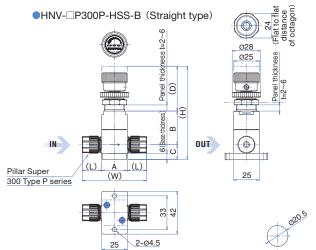




Туре	Α	В	С	(D)	(H)	L	W
HNV-1/4U-HLS	31	12	23	37.5~44	60.5~67	19	44
HNV-3/8U-HLS	34	12	26.5	38.5~45	65~71.5	22	47
HNV-1/2U-HLS	41	13	31.5	38.5~45	70~76.5	28	53

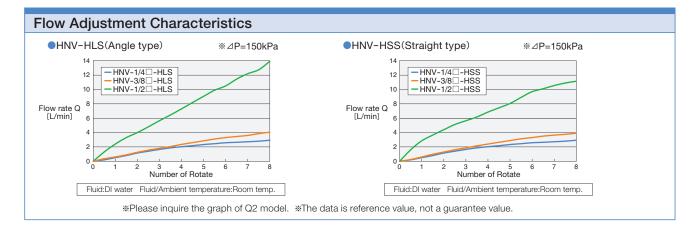
Type	Α	В	С	(D)	(H)	L	W
HNV-1/4U-HSS-B	25	33	11	38.5~45	82.5~89	19	63
HNV-3/8U-HSS-B	25	36.5	15	38.5~45	90~96.5	22	69
HNV-1/2U-HSS-B	30	33.5	20	38.5~45	92~98.5	28	86





Type	(A)	В	С	(D)	(H)	(L)	(W)
HNV-1/4P300P-HLS	27.5	8.5	27	37.5~44	64.5~71	19	44
HNV-3/8P300P-HLS	36	11	29.5	38.5~45	68~74.5	25	50
HNV-1/2P300P-HLS	42	13	31.5	38.5~45	70~76.5	29	54

Type	Α	В	С	(D)	(H)	(L)	(W)
HNV-1/4P300P-HSS-B	25	33	14.5	38.5~45	86~92.5	19	63
HNV-3/8P300P-HSS-B	25	36.5	18	38.5~45	93~99.5	25	75
HNV-1/2P300P-HSS-B	30	33.5	20	38.5~45	92~98.5	29	88
							L



Needle Valves

Model HNV-SHT Needle Valve





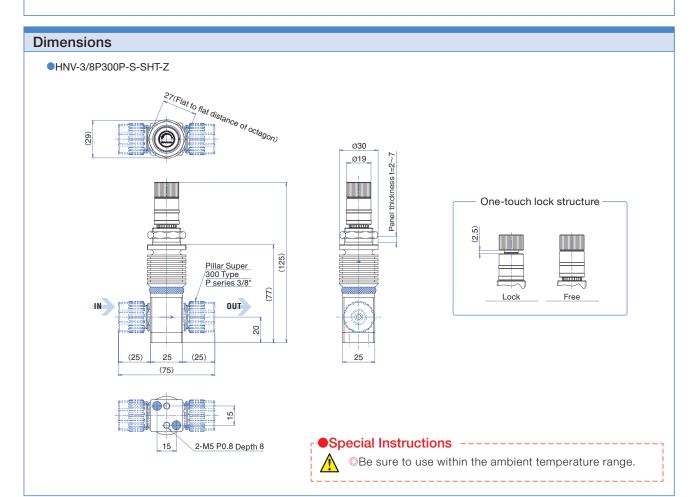
Features

- Wetted parts are fluororesin material that has high resistance for chemicals.
- Compatible with fluid temperatures of 180°C
- © Fix the knob status by one-touch lock.

Models / Specifications

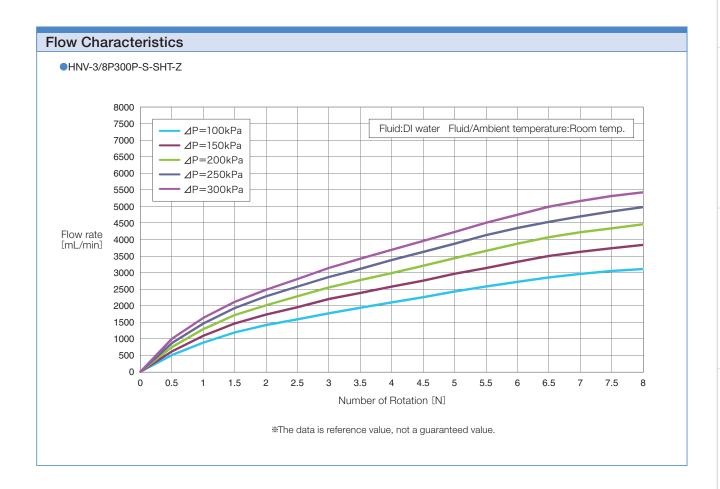
Туре	HNV-3/8P300P-S-SHT-Z
Fluids	Fluids (DI water, chemicals)
Connection	Pillar fitting
Wetted parts	PTFE
Operating pressure range	0~400kPa
Withstanding pressure	500kPa
Fluid temperature	15~180℃
Ambient temperature	15~60°C
Orifice	Ø2.7
Tube size	3/8" (Ø9.53ר6.35)

^{*}The above specifications exclude fittings, and the heat and pressure resistance of fittings are depending on the manufacturer.



SUZPV22

Needle Valves



Needle Valves

Safety Instructions -



- Sefore using the product, read the instruction manual carefully and use it correctly.
 We are not liable for accidents that occurred during use other than those described in the instruction manual.
- OUse this product within the specified range.
- Confirm the compatibility of the product material with the type of fluid and ambient atmosphere before use.
- OWhen you use male connector, please use PTFE, PCTFE, PFA, PE, PP material, not iron. Excessive tightening will lead to leak and break down of the product.
- ©Do not use fluids that contain refuse or foreign matter, as this may interfere with normal function.
- Abrasive or coagulate fluids may interfere with normal function, and take measures to prevent stacking residue on the wetted parts.
- ○When tubing, allow the fluid to flow in the direction mark (→) imprinted on the main unit.
- ©Connect this product not to apply any bending, tensile or compression, and other forces on the valve.
- ODo not use the product with excessive vibration or shock.
- ONeedle valve does not design to stop the flow completely. Do not tighten the knob excessively.
- ODo not disassemble the product.
- Olf static electricity is generated, the equipment may seriously damage. Please use after applying antistatic measures.
- OBe sure to use this product within the ambient temperature range.
- ODo not warm up the product directly from the outside. It may cause external or internal leakage failure.
- Pillar Super 300 Type P series is a trademark of Nippon Pillar Co., Ltd.