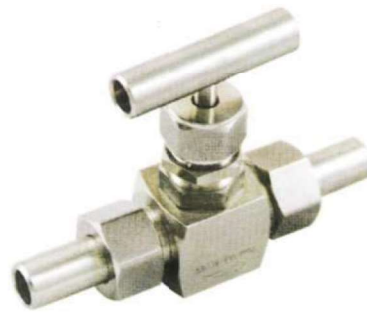




Model AE401
Tube end needle valve



Model AE401
Threaded needle valve

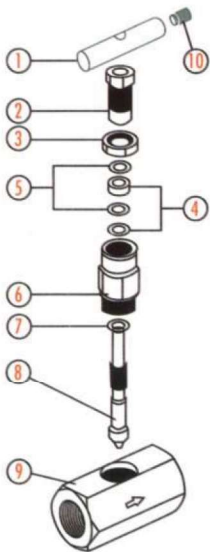


Model AE403
Tube welded needle valve

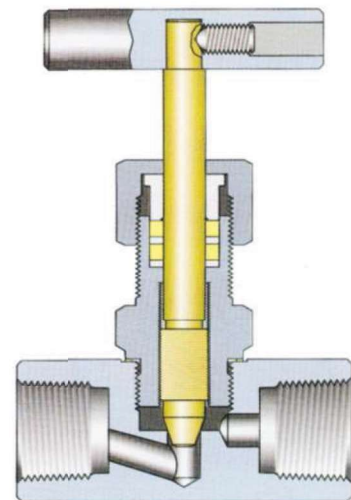
Features and Design



- Design working pressure 6000 psi to 10000 psi
- Temperature rating from -54 to +232 °C with PTFE packing
- Temperature rating up to +648°C (+1200 °F) with Grafoil packing
- Various body material with SS316, Carbon steel or Monel 400

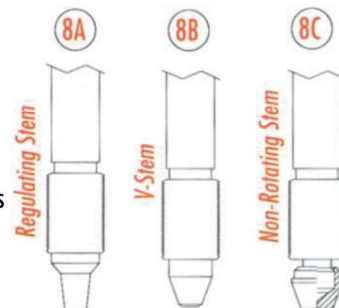


Description	ASTM Specification	
	Design Material	
1 Handle	SS304	
2 Set Screw	SS304	
3 Lock Nut	SS304	
4 Packing Bold	SS316	
5 Packing Gland	SS316	
6 Packing Washer	SS316	
7 Packing	PTFE	
8A Regulating Stem	SS316	
8B V-Stem	SS316	
8C Non-Rotating Stem	454	
9 Ball Tip	4545	
10 Stop Pin	1120	

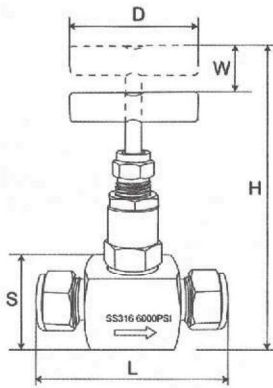


SCHUH TECHNOLOGY needle valves are available with choices of stem-tips options for user better flexibility.

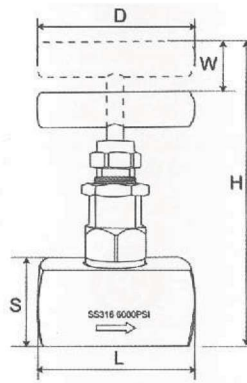
- Regulating stem** : Used where some degree of flow control is required
- V-Stem** : A standard stem tip used for general purpose liquids and gases
- Non-Rotating stem** Typically used in high-cycle applications to extend valve life. It is designed to prevent galling between the seat and stem.



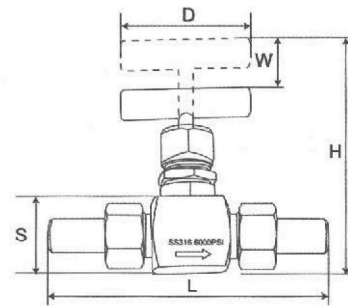
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Model NV401
Tube end needle valve



Model NV402
Threaded needle valve



Model NV403
Tube welded needle valve

Nv400 Series - Tube End Needle Valve, Rating 6000 Psig (A) and 10000 Psig (B)

Ordering Code	Tube End Type		Discharge	L	H	D	S	W
	Dimensions	OD						
NV401-02A / B	1/4"	6.35	3	70	65	55	22	6
NV401-03A / B	3/8"	9.52	5	70	65		22	
NV401-04A / B	1/2"	12.7	8	76	97		28	
NV401-05A / B	3/4"	19.05	10	89	119		38	
NV401-06A / B	1"	25.4	12	90	120.5		41	
NV401-07A / B	6mm	6mm	3	70	65		22	
NV401-08A / B	8mm	8mm	4	70	65		22	
NV401-09A / B	10mm	10mm	6	70	65		22	
NV401-10A / B	12mm	12mm	8	76	97		28	
NV401-11A / B	14mm	14mm	9	76	97		28	
NV401-12A / B	16mm	16mm	10	76	97		28	
NV401-13A / B	18mm	18mm	12	89	119		38	
NV401-14A / B	20mm	20mm	12	89	119		38	
NV401-15A / B	22mm	22mm	12	89	119		38	
NV401-16A / B	25mm	25mm	12	90	120.5		41	

Nv402 Series - Threaded End Needle Valve, Rating 6000 Psig (A) and 10000 Psig (B)

Ordering Code	P	Discharge	L	H	D	S	W
NV402-N4A / B	1/4"	6	55	65	55	22	6
NV402-N8A / B	3/8"	6	55	65		22	
NV402-N2A / B	1/2"	8	55	97		28	
NV402-N3A / B	3/4"	10	71	119		38	
NV402-N1A / B	1"	12	71	120.5		41	

Above connection sizes shown in NPT standard with code "N", available with BSP connection type with code "B"

Nv403 Series - Tube Welded Needle Valve, Rating 6000 Psig (A) and 10000 Psig (B)

Ordering Code	Tube End Type		Discharge	L	H	D	S	W
	Dimensions	OD						
NV403-10A / B	10mm	10	6	115	65	55	22	6
NV403-12A / B	12mm	12	8	115	97		28	
NV403-14A / B	14mm	14	9	115	97		28	
NV403-16A / B	16mm	16	12	133	119		38	

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