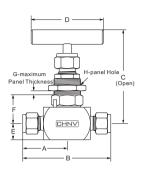
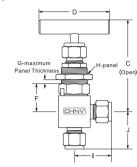
Ordering Information & Dimension

Straight



Angle



NEEDLE VALVE SERIES A6NV1

End Connection		Ordering	DN		Size(mm)									
Inlet/Outlet	Size	Number	(mm)	Cv	Α	В	С	D	Е	F	G	н	1	J
Fractional . Tube Fitting	3/8 in.	N16-F6		0.85	45.5	91	87.3	65.0	14.3	25.4	9.7	24.4	45.5	45.5
	1/2 in.	N16-F8	6.0		48.3	96.6							48.3	48.3
	3/4 in.	N110-F12	10.0	2.18	47.1	94.2	93.0	75.0	22.2	34.9	9.7	27.5	47.1	47.1
Metric Tube Fitting	10 mm	N16-M10		0.85	45.8	91.6	88.9	65.0	14.3	25.4	9.7	24.4	45.8	45.8
	12 mm	N16-M12	6.0		48.2	96.4							40.0	48.2
	14 mm	N16-M14			48.2	96.4							48.2	40.2
		N110-M14		2.18	47.1	94.2	93.0	75.0	22.2	34.9	9.7	27.5	47.1	47.1
	16 mm	N110-M16	10.0											
	18 mm	N110-M18												
Fractional Socket Weld	3/8 in.	N16-TS6		0.85	28.6	57.2	88.9	65.0	14.3	25.4	9.7	24.4	00.0	28.6
	1/2 in.	N16-TS8	6.0			57.2	88.9						28.6	28.6
	3/4 in.	N110-TS12	10.0	2.18	37.0	74.0	93.0	75.0	22.2	34.9	9.7	27.5	_	_
	1 in.	N120-TS16	20.0	5.65	50.0	100.0	123.0	90.0	31.5	_	_	_	_	_
Metric Socket Weld	12 mm	N16-MTS12	6.0	0.85	28.6	57.2	88.9	65.0	14.3	25.4	9.7	24.4	28.6	28.6
	14 mm	N16-MTS14	6.0										28.6	
		N110-MTS14	10.0	2.18	37.0	74.0	93.0	75.0	22.2	34.9	9.7	27.5	_	_
	16 mm	N16-MTS16	6.0	0.85	28.6	57.2	88.9	65.0	14.3	25.4	9.7	24.4	28.6	28.6
		N110-MTS16	10.0	2.18	37.0	74.0	93.0	75.0	22.2	34.9	9.7	27.5	_	_
	28 mm	N120-MTS28	20.0	5.65	50.0	100.0	123.0	90.0	27.0	_	_		_	_
Metric Butt Weld	14 mm	N16-MTB14	6.0	0.85	38.1	76.2	88.9	65.0	14.3	25.4	9.7	24.4	38.1	38.1
		N110-MTB14	10.0	2.18	37.0	74.0	93.0	75.0	22.2	34.9	9.7	27.5		
	16 mm	N16-MTB16	6.0	0.85	38.1	76.2	88.9	65.0	14.3	25.4	9.7	24.4	38.1	38.1
		N110-MTB16	10.0	2.18	37.0	74.0	93.0	75.0	22.2	34.9	9.7	27.5		
	28 mm	N120-MTB28	20.0	5.65	50.0	100.0	123.0	90.0	27.0	-	—	-	-	-

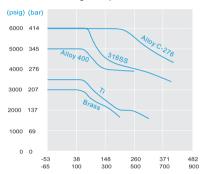
Bar Stock Needle Valve ---N1 Series

Performance

- Rolled threads of packing bolt ensures longer life service
- Double lock pins promise steady and durable fastening of valve handle
- Stop pin prevents loosening of valve cover
- Cold rolled threads of valve stem
- Stellite surfacing lower stem has better wear resistance
- Back seat seals in fully open position

Pressure vs. Temperature

PTFE: Used under ordinary temperature Grafoil: Used under higher temperature



Features

- · Material: 316SS, titanium, other material as request
- Working Pressure: Up to 6000 psi (413 bar)
- Working Temperature: -65°F to 850°F (-53°C to 455°C)
- End Connection Type: Metric and fractional tube fittings,

NPT threads, ISO/BSP threads, weld ends

• End Connection Size: 1/8 to 11/4 in., 3 to 28 mm

Ordering Information



A Bo	dy Mate	erial	В	Valve	Serie	s C	C DN			D E	End Connection Type				
316 = 316 SS 304 = 304 SS 304L = 304L SS 321 = 321 SS D5 = Duplex 2205 TI = Titanium 400 = Alloy 400 C276 = Alloy C-276			N1	N1 = Bar Stock Needle Valve			4 = 6 = 10 = 15 =	2.0 mm 4.0 mm 6.0 mm 10.0 mn 15.0 mn 20.0 mn	n	M = Metric Tube Fitting F = Fractional Tube Fitting MTB = Metric Butt Weld TB = Fractional Butt Weld MTS = Metric Socket Weld TS = Fractional Socket Weld UMB= Union Butt Weld					
End Connection Size															
Code	2	4	6	8	10	12	14	16	18	20	22	25	28		
Fractiona	1/8 in.	1/4 in.	3/8 in.	1/2 in.		3/4 in.		1 in.							
Metric				8 mm	10 mm	12 mm	14 mm	16 mm	18 mm	20 mm	22 mm	25 mm	28 mm		

- F Straight 2-way type is standard for N1 series needle valve, add **A** as a suffix if angle type is required. eq.: 316-N110-F8-**A**
- G If the installation is panel mount, add Y as a suffix eg.: 316-N110-F8-**Y**

