

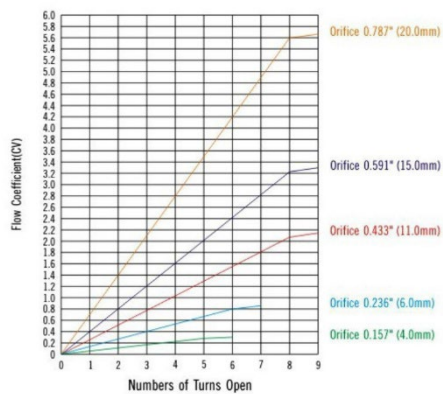
Carbon Steel Needle Valves (CS-A105) – 10,000 PSI

Features:

- 10,000 psi at -65° to 100°F
- Bubble-tight metal-to-metal seat for positive shutoff
- 2 piece non-rotating hardened (17-4PH) tip for first time seal and long service life
- Pressure responsive multi-ring/piston packing for compression and pressure dynamic sealing
- Metal-to-metal body bonnet seal for high pressure and high temperature sealing
- Unique bonnet locking cam. No accidental removal of head unit, or loosening due to vibration
- Backing sealing stem to extend packing life
- NPT threaded
- 100% Hydrostatic testing



Part #	Material	(mm, in.)			NPT Connection Type/Size		Dimension, (mm, inch)							
					Inlet	Outlet	L1		L2		E		H	
VNC01-025	CS-A105	4	0.157	0.35	1/4" Female	1/4" Female	30.5	1.2	30.5	1.2	25.2	0.99	82.5	3.25
VNC01-050	CS-A105				1/2" Female	1/2" Female	34.2	1.35	34.2	1.35	28.9	1.14	86.6	3.41
VNC01-075	CS-A105	5	0.197	0.73	3/4" Female	3/4" Female	38	1.5	38	1.5	38.2	1.5	94.9	3.74
VNC01-100	CS-A105				1" Female	1" Female	42.5	1.68	42.5	1.68	44.8	1.76	106	4.17
VNCA2-025	CS-A105	4	0.157	0.35	1/4" Female	1/4" Male	27.1	1.07	27.1	1.07	24.5	0.97	81.8	3.22
VNC02-025	CS-A105	4	0.157	0.35	1/4" Female	1/4" Male	36.65	1.46	36.65	1.46	24.8	0.98	84.6	3.33
VNC02-050	CS-A105	5	0.197	0.73	1/2" F NPT	1/2" Male	36.5	1.44	36.5	1.44	28.6	1.13	86	3.39



Dimensions

Description	Material
Body	CS-A105
Bonnet	CS-A105
Stem	CS-A105
Stem Tip	CS-A105
Gland	CS-A105
Lock Nut	CS-A105
Packing Washer	CS-A105
Lock Pin	CS-A105
Handle	SS
Set Screw	SS
Packing	PTFE
Dust Cap	Nylon

Working Pressure

Temp. (°F)	PSI
-65°~100°	10,000
200°	9,290
300°	8,390
400°	7,705
500°	7,105
600°	6,770
700°	6,480
800°	6,230
900°	5,905
1,000°	5,450
1,100°	4,835
1,200°	3,085

⚠ * California Prop 65 WARNING: This product can expose you to chemicals such as DEHP, which is known to the State of California to cause cancer, birth defects or reproductive harm.