






# PRECISION INSTRUMENT COMPANY

## Needle Valves Dimensions

Our High Quality Instrumentation Grade Needle Valves Are Designed For Heavy-Duty Process Applications Or Other Industrial Applications That Require High-Pressure Carbon Steel Or Stainless Steel Shut-Off Valves. Our Valves Are Available Hard Seat (10,000 PSI) Or Soft Seat (6,000 PSI), 1/4" Or 1/2"NPT, Straight Or Angle Pattern, Male X Male, Female X Female Or Male X Female.

NVS	NV (1/4"NPT)	NV (1/2"NPT) & NVL (1/4"NPT)	HV	GV
Super Mini	Mini	Full Size	Hex Body	Multi-Port
				

NVS			NV (1/4"NPT)			NV (1/2"NPT) & NVL (1/4"NPT)			HV			GV		
Inch	mm		Inch	mm		Inch	mm		Inch	mm		Inch	mm	
A	1.02"	26mm	A	1.81"	46mm	A	2.67"	68mm	A	3.65"	93mm	A	3.68"	93mm
B	.32"	8 mm	B	.50"	13mm	B	2.64"	67mm	B	3.23"	82mm	B	4.46"	113mm
C1	.40"	10mm	C	.17"	4 mm	C	1.12"	29mm	C	1.26"	32mm	C	1.26"	32mm
C2	.20"	6 mm	D	.44"	11mm	D	.73"	19mm	D	1.65"	42mm	D	1.61"	41mm
D	.46"	12mm	E	.34"	9 mm	E	2.25"	57mm	E	.75"	19mm	E	.82"	21mm
E	.75"	19mm	F	.75"	19mm				F	2.25"	57mm	F	2.25"	57mm
F	.52"	13mm	G	.61"	15mm									
G	1.31"	33mm	H	1.04"	26mm									

### Part Number System:

#### Valve Designation

NVS = "Super Mini" Style  
 NV = Standard Size  
 NVL = Full Size Body 1/4"NPT  
 HV = Hex Body Valve  
 GV = Multi-Port Gauge Valve

#### Body Material

CS = Carbon Steel  
 SS = 316 SS

#### Connection Size

1/4 = 1/4"NPT  
 3/8 = 3/8"NPT  
 1/2 = 1/2"NPT

#### Outlet Connection

F = Female  
 M = Male

#### Inlet Connection

F = Female  
 M = Male

#### Body Pattern

180 = Straight Pattern  
 90 = Angle Pattern

#### Seat / Pressure Rating

GS = Gas Service / 6000 PSI  
 HS = Hydraulic Service / 10000 PSI

