



KODIAK NEEDLE VALVES



1/4" NPT "NVS" Super –Mini Valves

1/4" NPT Carbon Steel Body, Round 'Thumb Wheel' Handle
6,000 PSI Rated Soft Seat, for bubble tight shut-off
Male x Female, Female x Female or Male x Male



1/4" NPT "NV" Mini Valves

Carbon Steel or Stainless Steel Body, Tee Handle
6,000 PSI Soft Seat or 10,000 PSI Hard Seat
Male x Female, Female x Female or Male x Male



1/4" NPT 'NVL' or 1/2" NPT 'NV' Full Size Needle Valves

Carbon Steel or Stainless Steel Body, Tee Handle
6,000 PSI Soft Seat or 10,000 PSI Hard Seat
Male x Female or Female x Female



1/4" or 1/2" NPT Hex Body Needle Valves

Carbon Steel or Stainless Steel Body, Tee Handle
6,000 PSI Soft Seat or 10,000 PSI Hard Seat
Male x Female or Female x Female



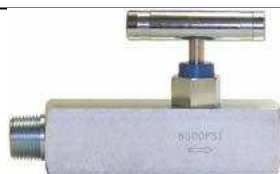
1/2" NPT Multi-Port Gauge Valves

Stainless Steel Body, Tee Handle
6,000 PSI Soft Seat or 10,000 PSI Hard Seat
1/2" NPT Male inlet x (3) 1/2" NPT Female Outlet



1/4" or 1/2" NPT Block and Bleed Valves

Stainless Steel Body, Tee Handle
6,000 PSI Soft Seat or 10,000 PSI Hard Seat
1/4" NPT or 1/2" NPT Male inlet x Female



1/2" NPT Long Body Valves

Stainless Steel Body, Tee Handle
6,000 PSI Soft Seat
1/2" NPT Male x Female



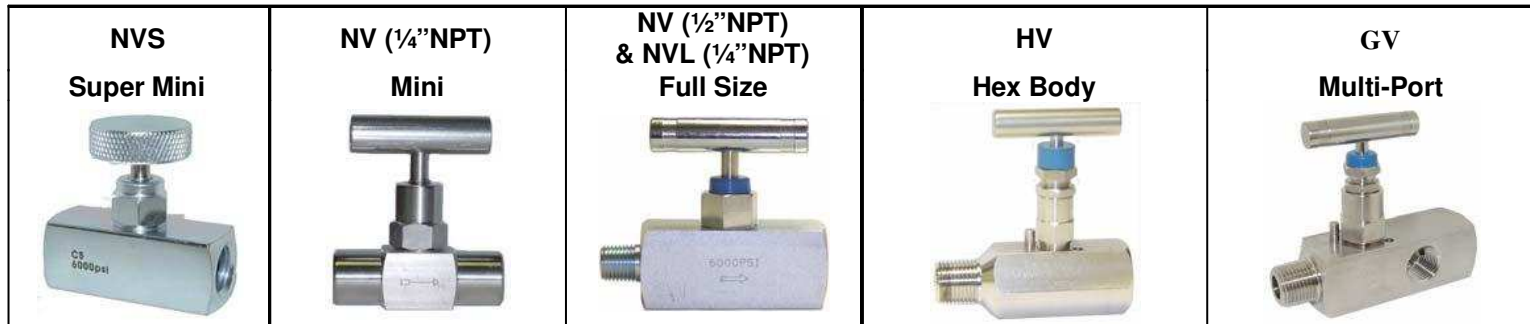
1/2" NPT Accessory Bleed Valves

Stainless Steel Body, Tee Handle
Use with Multiport Gauge valves to make block and bleed Valves
6,000 PSI or 10,000 PSI



PROCESS NEEDLE VALVES

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.



	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