

Needle Valves (IB Series)

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Features & Benefits

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One Piece Body Construction No Welding Used -
Non Rotating Vee / Ball Tip Design -

Stem Thread Rolled & Hard Plated -
Mirror Finish Stem, Furnished to a 16RMS -
Stainless Steel Handle -

Material of Construction

Sr. No.	Part	Qty.	Material
1.	Body	1	A479-316
2.	Panel Nut	1	A479-316
3.	Stem	1	A479-316 / 17-4PH
4.	Packing	1	Teflon / Graphoil
5.	Washer	1	A479-316
6.	Gland Nut	1	A479-316
7.	Grub Screw	1	Steel Plated
8.	Handle	1	Stainless Steel
9.	Vee Tip / Ball Tip	1	A 564-630

Pressure & Temperature Ratings

Valve Size	Orifice	Cv	Max. Working Pressure	Temp.	Pressure @ Max. Temp.
1/4"	3.5 mm	0.31	6000 psi (41300 kpa)	PTFE	PTFE
3/8"				-20° to 250°F -29° to 121°C	4000 psi @ 260°C
1/2"	4.8 mm	0.52		GRAPHOIL	GRAPHOIL
3/4"	6.4 mm	1.40		-29° to 600°F -29° to 315°C	1500 psi @ 538°C
1"	9.5 mm	2.40			

Testing

Needle Valve (Male x Female)

PART NO.	P-NPT (M/F)	A	S-SQ.	H	L
PNV-IB-S-02-MF	1/8"	45.5	15.0	61.0	50.0
PNV-IB-S-04-MF	1/4"	53.0	22.5	69.0	50.0
PNV-IB-S-06-MF	3/8"	54.0	25.0	70.0	50.0
PNV-IB-S-08-MF	1/2"	70.0	32.0	80.0	60.0
PNV-IB-S-12-MF	3/4"	85.0	45.0	122.0	80.0
PNV-IB-S-16-MF	1"	85.0	45.0	122.0	80.0

Needle Valve (Female x Female)

PART NO.	P-NPT (F/F)	A	S-SQ.	H	L
PNV-IB-S-04-FF	1/4"	54.0	22.5	69.0	50.0
PNV-IB-S-06-FF	3/8"	53.0	26.0	70.0	50.0
PNV-IB-S-08-FF	1/2"	64.4	32.0	73.0	60.0
PNV-IB-S-12-FF	3/4"	80.0	45.0	122.0	80.0
PNV-IB-S-16-FF	1"	80.0	45.0	122.0	80.0

Needle Valve (OD x OD)

PART NO.	P-NPT (M/F)	A	S-SQ.	H	L
PNV-IB-S-02-OD	1/8"	61.0	16.0	62.0	50.0
PNV-IB-S-04-OD	1/4"	60.7	15.5	64.0	50.0
PNV-IB-S-06-OD	3/8"	60.4	15.6	61.0	50.0
PNV-IB-S-08-OD	1/2"	71.0	22.5	69.0	50.0
PNV-IB-S-12-OD	3/4"	90.0	36.0	122.0	80.0
PNV-IB-S-16-OD	1"	90.0	40.0	122.0	80.0
PNV-IB-S-M04-OD	4mm	61.0	15.0	63.0	50.0
PNV-IB-S-M06-OD	6mm	61.0	15.0	63.0	50.0
PNV-IB-S-M08-OD	8mm	61.0	15.0	63.0	50.0
PNV-IB-S-M10-OD	10mm	69.0	18.0	64.0	50.0
PNV-IB-S-M12-OD	12mm	73.5	22.5	68.0	50.0

All Above Part No are For SS 316 / Add "C" for A 105 / Add "B" for Brass
Needle Valve IB Series are Also Available in Soft Seat

WARNING:

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