

# NEEDLE VALVE (SCREWED END)

**SIZES: 1/4 " TO 2 "**

**CLASS 800**



## FEATURES

- Needle Valve is used for accurate flow rate control.
- Body is made of stainless steel.
- The hand wheel is connected to the stem also called as needle which is tapered & pointed at the end.
- The needle raises and lowers with the spin of a handle to open or close the orifice.
- When the handle turns, the needle moves up or down through the threads.
- The gland nut prevents the stem from fully unscrewing.
- As the needle moves down, the pointed (tapered) end comes into contact with the valve seat to fully seal the orifice.
- Screwed NPT, BSP and BSPT end connections are available.

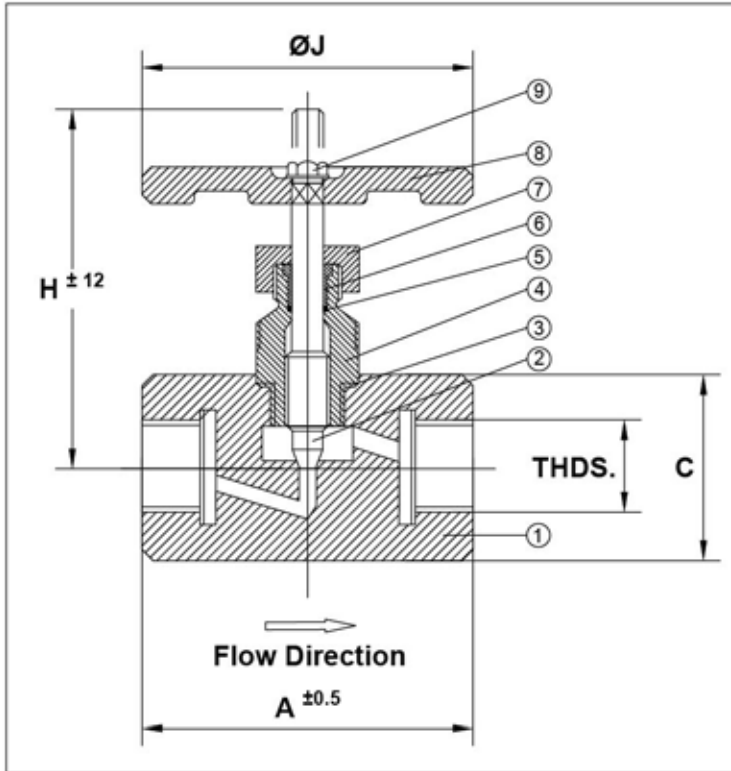
ISO 9001:2015

**BUREAU VERITAS**  
Certification



**TECHNICAL DATA :**

DESIGN STANDARD : MANUFACTURER'S STANDARD  
 TESTING & INSPECTION STANDARD : EN 12266-1 (BS 6755-1)



SL NO	DESCRIPTION	MATERIAL	QTY
1	BODY	AISI 304 / AISI 316	1
2	STEM (NEEDLE)	AISI 304 / AISI 316	1
3	GASKET	PTFE	1
4	BONNET	AISI 304 / AISI 316	1
5	GLAND PACKING	PTFE	2
6	GLAND	AISI 304 / AISI 316	1
7	GLAND NUT	AISI 304 / AISI 316	1
8	HAND WHEEL	BAKELITE	1
9	HAND WHEEL NUT	SS	1

TEST PRESSURE (kg/cm <sup>2</sup> )		
HYDRO	SHELL	207
	SEAT	152
PNEUMATIC	SEAT	6

SIZE	A	THDS.	C	H	ØJ	
1/4"	50	1/4"	BSP-BSPT-NPT	25	68	40
3/8"	50	3/8"	BSP-BSPT-NPT	25	68	40
1/2"	55	1/2"	BSP-BSPT-NPT	33	75	50
3/4"	60	3/4"	BSP-BSPT-NPT	38	90	50
1"	70	1"	BSP-BSPT-NPT	47	105	50
1 1/4"	80	1 1/4"	BSP-BSPT-NPT	62	110	60
1 1/2"	80	1 1/2"	BSP-BSPT-NPT	64	120	100
2"	85	2"	BSP-BSPT-NPT	78	135	100

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED

**REGISTERED FACTORY AND OFFICE**  
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**FOR FURTHER DETAILS, VISIT OUR WEBSITE**

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