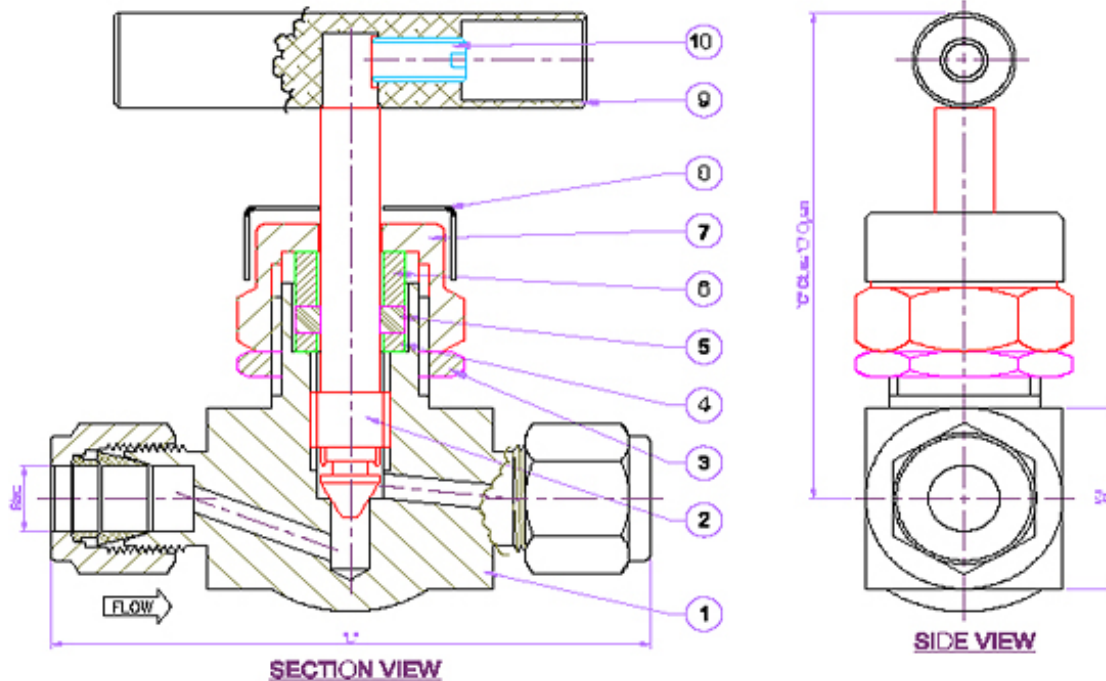




## Integral Bonnet Needle Valve Straight Type - ODT (Forging)



### Technical Specification

- INTEGRAL BONNET DESIGN.
- WORKING PRESSURE : 6000 Psi (413 Bar)
- STEM PACKING : PTFE, GRAFOIL.
- PANEL MOUNTING ON REQUEST.
- END CONNECTION : BSPP, BSPT, SAE, NPT.
- MATERIAL OF CONSTRUCTION : SS316, SS304, CS, HASTELLOY, MONEL
- TEMPERATURE RATING : PTFE 450° F (232° C) GRAFOIL 700° F (371° C )
- SPINDLE : GROUND AND THREAD ROLLED.
- DUST CAP PROTECTS STEM THREADS FROM EXTERNAL CONTAMINATION.
- LEAK TIGHT SEAL WITH LOW OPERATING TORQUE.

### Material List

P.NO.	PART NAME	CITY.	MATERIAL
1	VALVE BODY	1	ASTM A 182 F316
2	STEM (TIP)	1	SS316(AISI-316)
3	PANEL NUT	1	SS31B(AISI-316)
4	SPACER	1	PTFE
5	PACKING	1	SS31B(AISI-316)
6	GLAND	1	SS316(AISI-316)
7	GLAND NUT	1	SS316(AISI-316)
8	DUST CAP	1	STD
9	GRUB SCREW	1	S.S.
10	HANDLE	1	SS304

### Dimension Table

SIZE	ORIFICE	A	B	C	O
1/4"	3.5(0.14")	20(0.79")	48(1.89")	84(3.31")	89(3.5")
3/8"	3.5(0.14")	26.5(1.04")	48(1.89")	84(3.31")	09(3.5")
1/2"	4.8(0.19")	31(1.22")	68(2.68")	91(3.50")	90(3.06")
3/4"	6.4(0.25")	38.1(1.5")	71(2.79")	125(4.82")	132(5.20")
1"	9.5(0.37")	45(1.77")	79(3.11")	128(5.04")	138(5.43")

## Fluid Fit Engineers

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