

INSTRUMENTATION
VALVES



COMFIT-USA

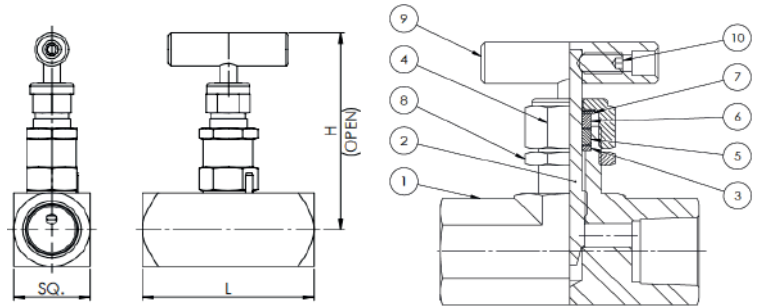
A DIVISION OF  **LamarUSA**
INSTRUMENTATION & CONTROL

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Needle Valves



INTEGRAL BONNETE NEEDLE VALVES Forged - straight pattern PRODUCT RANGE: CINVF



SR.NO.	DESCRIPTION	QTY	DESCRIPTION
1	BODY	1	SS 316
2	STEM	1	SS 316
3	LOWER GLAND	1	SS 316
4	GLAND NUT	1	SS 304
5	PACKING	1	PTFE
6	UPPER GLEND	1	SS 316
7	DISC SPRING	2	SS
8	PANEL NUT	1	SS 304
9	HANDLE	1	SS 304
10	GRUB SCREW	1	SS

FEATURES:

- Needle valve with integral bonnet and compact design.
- Live loaded packing design.
- High temperature packing option available.
- Single stem with rotating needle feature.
- Low torque operating T-bar handle, round handle, anti-tamper, and lockable handle available.
- Straight pattern design, with angle pattern option available.
- Externally adjustable gland.

SPECIFICATION:

- Size: 1/8" to 3/4"
- End Connections: NPT, BSPT, Tube Fitting
- Working Pressure: 6000 psig
- Temperature Rating:
 - Up to 450°F (232°C) with PTFE packing
 - Up to 752°F (400°C) with Grafoil packing
- Materials: SS 316, SS 304, CS, F11, Hastelloy, Monel, Inconel
- Alternative Seat Options: Available upon request
- Compliance: Can be provided to meet the latest revision of NACE MR-01-75 (SOUR GAS SERVICE)
- Packing: PTFE, Graphoil
- Testing: 100% factory tested at 1000 psig
- Lubrication: Dye Molly Sulfide

INTEGRAL BONNET NEEDLE VALVE						
VALVE CONNECTION		PRODUCT CODE	ORIFICE	HEX.	L	H
INLET	OUTLET					
1/8" NPT (F)		2NF - CINVF	0.118	0.689	1.89	2.13
	1/8" ODT	2T - CINVF	0.078		2.48	
1/4" NPT (F)		4NF - CINVF	0.197	0.866	2.16	
1/4" NPT (M)	1/4" NPT (F)	4NM - CINVF - 4NF	0.118	0.689	2.32	
1/4" NPT (M)		4 NM - CINVF			2.75	
1/4" ODT		4T - CINVF				
6MM ODT		6MT - CINVF	0.197	0.866	2.87	
3/8" ODT		6T - CINVF			2.08	
8MM ODT		8MT - CINVF			2.32	
3/8" NPT (F)		6NF - CINVF	0.275	1.06	2.44	
3/8" NPT (M)	3/8" NPT (F)	6NM - CINVF - 6 NF			2.52	
3/8" NPT (M)		6NM - CINVF			2.68	
1/2" NPT (F)		8NF - CINVF	0.197	0.866	2.87	2.86
1/2" NPT (M)	1/2" NPT (F)	8NM - CINVF - 8 NF			3.11	
1/2" NPT (M)		8NM - CINVF			3.00	
1/2" ODT		8T - CINVF	0.275	1.42	3.11	2.90
12 MM ODT		12MT - CINVF			3.42	
3/4" NPT (F)		12NF - CINVF			1.06	
3/4" ODT		12T - CINVF		1.06	3.42	2.86



☎ **(+1) 713 731 5057 - Main**

✉ **sales@comfit-usa.com**

☎ **(+1) 786 538 0405 - Sales**

📍 **3105 NW 107th Avenue, Suite 400
Doral, FL 33172**

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