



**TESTING :-**

**STANDARDS TEST :-**

EACH VALVE IS TESTED WITH NITROGEN AT 1000 PSI FOR SEAT AND PACKING LEAKAGE WITH A MAX. ALLOWABLE LEAK RATE OF 0.1 SEC/MIN.

**HYDRO TEST :-**

PERFORMED WITH PURE WATER AT 1-1/2 TIMES OF THE WORKING PRESSURE.

**LUBRICATION :-**

MOLLY ANTI-SEIZE LUBRICANT.

**NOTES :-**

OPTIONAL GRAPHOIL PACKING FOR HIGH TEMPARATURE APPLICATION PANNEL NUT OPTIONAL

END CONNECTIONS AVAILABLE MALE OR FEMALE BSP, BSPT & NPT THREADED IN ANGLE STRAIGHT PATTERNS.

PACKING BELOW THREADS / BACK SEATING ARRANGEMENT.

DIMENSION ARE FOR REFERENCE ONLY SUBJECT TO CHANGE.

VALVE CAN BE SUPPLIED TO MEET CURRENT REVISION OF NACE MR-01-75 (SOURGAS SERVICE)

PART NO.	PART DESCRIPTION	MATERIAL	QTY.
1	BODY	SS 316	1
2	GLAND BODY	SS 316	1
3	GLAND RETAINER	SS 304	1
4	GLAND SEAL	P.T.F.E.	2
5	CHECK NUT	SS 304	1
6	SPINDLE	SS316	1
7	TRIM	SS 316	1
8	HANDLE	SS 304	1
9	WASHER	SS 316	1
10	LOCK PIN	SS 304	1
11	DUST CAP	P.V.C.	1

TABLE OF DIMENSIONS			
SIZE	A	H-HEX	A-OPEN
1/4"	53	25	92
3/8"	53	25	92
1/2"	75	32	98
3/4"	75	36	114

TECHNICAL DATA			
Orifice	Cv	Pr. Rat	Temp. Rat
4.8 MM	0.52	6000 PSI	-20 TO 250deg(F)
6.4 MM	1.40	(41300 kpa)	(-29 TO

REV: 00	TITLE	NEEDLE VALVE HB SERIES-FF
DATE : 30/07/16		
DRG BY : D.B.PATEL	PART NO:	ARC-HB-FF
APPROVED : R.B YADAV		
DATE : 30/07/16		