



MATERIAL OF CONSTRUCTION

S.NO.	PART NAME	QTY.	MATERIAL
1	BODY	1	ASTM A182/F316
2	STEM	1	AISI316/A276 . STELLITED V TIP
3	PANNEL NUT	1	AISI316
4	GLAND NUT	1	
5	WASHER	1	
6	PACKING	1	PTFE/GRAPHOIL
7	PACKING WASHER	1	AISI316/A276
8	NUT	2	
9	BACK FERRUL	2	
10	FRONT FERRUL	2	
11	GRUB SCREW	1	STEEL PLATED
12	HANDLE	1	AISI304 . ALU.COATED

FEATURES:

316 SS CONSTRUCTION FOR CORROSION RESISTANCE.
 EXCELLENT FLOW REGULATION & LEAK TIGHT.
 ONE PIECE BODY CONSTRUCTION. NO WELDING USED.

TESTING:

STANDARD TEST: - EACH VALVES IS TESTED WITH NITROGEN AT 1000 PSI FOR SEAT & 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 AVAILABLE FOR HIGH TEMPERATURE APPLICATION . SERIES OF END CONNECTIONS LIKE PANAM TUBE ENDS, MALE/FEMALE NPT, BSP PIPE THREADED ENDS WITH STRAIGHT PATTERN. PANEL NUT STD.

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

DIMENSIONS ARE FOR REFERENCE ONLY. SUBJECT TO CHANGE.

TECHNICAL DATA				TABLE OF DIMENSION				
Pr. Rat.	Temp.Rat.	Cv	ORIFICE	TUBE O/D	A	A1	H OPEN HT.	L
6000 PSI (41300 kpa)	PTFE -20 to 250° F (-29° to 121°C)	0.65	5 mm.	1/4"	45	60	55	50
				3/8"		61.5	70	
	GRAFOIL -20 to 600° F (-29° to 315°C)	0.80	6.5mm.	1/2"	63	85	80	60
				3/4"		85	90	
		1.90	9.5mm.	1"	82	107.5	110	70

TITLE: -

"FB"SERIES NEEDLE VALVE - ODT

DRN.		SCALE	N.T.S.
CHD.	DJS	DATE	16/03/2010
APPD.		DRG. NO. P/NV-FB-ODT	

PIONEER INDUSTRIES

ISO 9001 - 2008