



PARTS LIST

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

FEATURES:

316 SS CONSTRUCTION FOR CORROSION RESISTANCE.
 EXCELLENT FLOW REGULATION & LEAK TIGHT.
 ONE PIECE BODY CONSTRUCTION. NO WELDING USED.
 PACKING BELOW STEM THREADS ISOLATE THREADS FROM SYSTEM FLUIDS.
 BACK SEATING ARRANGEMENT.

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 NP.T, 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. Rot.	Temp. Rot.	Cv	ORIFICE	TUBE O/D	A	A1	H	L
6000 PSI (41300 kpo)	PTFE (-20 to 250° F (-29° to 121°C)	0.65	5 mm.	1/4"	45	60	80	50
	GRAFOIL (-20 to 600° F (-29° to 315°C)	0.80	6.5mm.	3/8"	63	85	110	60
		1.90	9.5mm.	1"	82	107.5	150	70

TITLE:-
"FB" SERIES NEEDLE VALVE - PBT - ODT

DRN.	MT	SCALE	N.T.S.
CHD.	ET	DATE	07-08-2002
APPD.	JP	DRG. NO.	PNV-FB-ODT-PBT

PANAM ENGINEERS
 AN ISO 9001 : 2000 COMPANY
 MUMBAI - INDIA