



8	HANDLE	1	SS / CS
7	GRUB SCREW	1	STEEL PLATED
6	GLAND NUT	1	A479-316/CS
5	WASHER	2	A479-316/CS
4	PACKING	1	TEFLON/GRAPHOIL
3	STEM	1	A479-316 + 17-4PH
2	PANNEL NUT	1	A479-316/CS
1	BODY	1	A479-316/CS
S.NO.	DESCRIPTION	QTY	MATERIAL

MATERIAL OF CONSTRUCTIONS:

FEATURES:
 316 SS CONSTRUCTION FOR CORROSION RESISTANCE.
 EXCELLENT FLOW REGULATION & LEAK TIGHT.
 SLOW OPENING PREVENTS SUDDEN PRESSURE SURGE & INSTRUMENT DAMAGE.
 ONE PIECE BODY CONSTRUCTION. NO WELDING USED.

APPLICATION:
 REFINERIES, LIQUID PETROLEUM GAS PROCESSING PLANT, PETROCHEMICALS PLANTS WHERE SYSTEMS DIFFICULT TO SHUT OFF DUE TO SOLIDE CONTENTS - DUST, DIRT, RUST ETC.

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.
 OTHER TEST:- VIBRATIONS, TEMPERATURES, HELIUM ETC. ARE AVAILABLE UPON REQUEST.

LUBRICATION:
 MOLLY ANTI-SEIZE LUBRICANT.

NOTES:-
 OPTIONAL GRAPHOIL PACKING WITH BALL TIP DESIGN AVAILABLE FOR HIGH TEMPERATURE APPLICATION WHICH ENSURE LONG LIFE IN REPETITIVE SHUT OFF SERVICE. SERIES OF END CONNECTIONS LIKE MALE/FEMALE NPT,BSP PIPE THREADED ENDS WITH STRAIGHT AND ANGLE PATTERNS. GLAND NUT OPTIONAL.
 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			
ORIFICE	Cv	Pr. Rot.	Temp. Rdt.
5 mm.	0.65	6000 PSI	-20 to 250° F
6mm	2	(41300 kpo)	(-29° to 121°C)

TABLE OF DIMENSIONS:					
SIZE	A	S-SQ.	H-OPEN	L	ORIFICE
1/4"	50	22	69	50	5mm
3/8"	50	25	69	50	5mm
1/2"	68	30	83	60	6mm
3/4"	70	36	89	70	8mm
1"	80	45	102	70	9.5mm

TITLE:- "IB" SERIES NEEDLE VALVE (FXF)			
DRN.	CDC	SCALE	N.T.S.
CHD.	ET	DATE	01.07.2001
APPD.	JP	DRG.:	PNV-IB-PF

PANAM ENGINEERS
 AN ISO 9001 : 2000 COMPANY
 MUMBAI - INDIA