



8	HANDLE	1	STAINLESS STEEL
7	GRUB SCREW	1	STEEL PLATED
6	GLAND NUT	1	A479-316
5	WASHER	2	A479-316
4	PACKING	1	TEFLON/GRAPHOIL
3	STEM	1	A479-316
2	PANNEL NUT	1	A479-316
1	BODY	1	A479-316
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. Rot.
5 mm.	0.65	6000 PSI	-20 to 250° F
6.5mm.	2	(41300 kpo)	(-29° to 121°C)

TABLE OF DIMENSIONS:					
SIZE	A	S-SQ.	H-OPEN	L	P
1/4"	55	22	69	50	18
3/8"	55	25	69		
1/2"	73	30	83	60	20
3/4"	80	36	89		
1"	88	45	102	70	26

TITLE:- "IB" NEEDLE VALVE - FF - ANGLE			
DRN.	CDC	SCALE	N.T.S.
CHD.	ET	DATE	01.07.2001
APPD.	JP	DRG.:	PNV-IB-FF-A

PANAM ENGINEERS
 MUMBAI - INDIA