



8	HANDLE	1	SS/CS
7	GRUB SCREW	1	STEEL PLATED
6	GLAND NUT	1	A 479-316/CS
5	WASHER	2	A 479-316/CS
4	PACKING	1	TEFLON/GRAPHOIL
3	STEM	1	A 479-316 + 17-4PH
2	PANNEL NUT	1	A 479-316/CS
1	BODY	1	A 479-316/CS
S.NO.	DESCRIPTION	QTY	MATERIAL

MATERIAL OF CONSTRCTIONS:

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	P. 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
1/4"	55	22	69	50
3/8"	55	25	69	50
1/2"	73	30	83	60
3/4"	80	36	89	70
1"	88	45	102	70

TITLE: " IB " SERIES NEEDLE VALVES (M X F)

DRN.	CDC	SCALE	N.T.S.
CHD.	ET	DATE	01.07.2001
APPD.	JP	DRG.:	PNV-IB-MF

PANAM ENGINEERS
 AN ISO 9001 : 2000 COMPANY
 MUMBAI - INDIA