



MATERIAL OF CONSTRUCTION

S.NO.	PART NAME	QTY.	MATERIAL
1	BODY	1	A479-316 / CS
2	STEM	1	A276-316
3	PACKING WASHER	2	A479-316 / CS
4	GLAND PACKING	3	GLASS FILLED PTFE
5	LOCK NUT	1	A479-316 / CS
6	GLAND RETAINER	1	A479-316 / CS
7	HANDLE	1	STAINLESS STEEL/ CS
7	DUST COVER	1	PLASTIC

FEATURES :

ONE PIECE BODY CONSTRUCTION FOR HIGH STRENGTH & FULL SAFETY, NO WELDING. 316 S.S. ONE PIECE BODY CONSTRUCTION FOR SUPERIOR CORROSION RESISTANCE. EXCELLENT FLOW REGULATION AND LEAK TIGHT. SLOW OPENING PREVENTS SUDDEN PRESSURE SURGE AND INSTRUMENT DAMAGE.

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. TEMPERATURE AND HELIUM LEAK TESTS ARE AVAILABLE UPON REQUIST.

APPLICATION:-

REFINERIES, LIQUID PETROLIUM GAS, PROCESSING PLANT SYSTEMS DIFFICULT TO SHUT OFF DUE TO SOLIDE CONTENTS. DUST. RUST ECT.

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.DIMENSIONS ARE FOR REFERENCE ONLY. SUBJECT TO CHANGE.

VALVE CAN BE SUPPLIED TO MEET CURRENT REVISION OF NACE MR-01-75.

(SOURGAS SERVICE)

MOLLIY ANTI-SEIZE LUBRICANT.

NOTES:-

DIMENSIONS ARE FOR REFERENCE ONLY.

ALL DIMENSIONS ARE IN MM. UNLESS SPECIFIED.

TABLE OF DIMENSION

SIZE	A	S-SQ.	H-OPEN HT.	L
1/4"	55	25	86	60
3/8"	55	28	86	
1/2"	75	34	98	
3/4"	80	38	98	70
1"	90	45	115	

TECHNICAL DATA

ORIFICE	Cv	Pr. Rat.	Temp.Rat.
5 mm.	0.22	10000 PSI (700 BAR)	-65 to 200° F (-50° to 93°C)

TITLE : "HP"SERIES NEEDLE VALVE

DRAWN BY	SCALE	N.T.S.	
CHECKED BY	DJS	DATE	16/03/2010
APPROVED BY	DRG. NO.	PINV-HP-FF	

PIONEER INDUSTRIES

ISO 9001 - 2008