



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 PETROLIUM GAS PROCESSING PLANT PETRO CHEMICALS PLANTS WHERE SYSTEMS DIFFICULT TO SHUT OFF DUE TO SOLIDE CONTENTS - DUST, DIRT, RUST ETC.

TESTING :-

STANDARDS TEST :-

EACH VALVE IS TESTED WITH NITROGEN AT 1000 PSI FOR SEAT AND 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 TESTS :-

VIBERATIONS, TEMPERATURES, HELIUM ETC ARE AVAILABALE UPON REQUEST.

LUBRICATION :-

MOLLY ANTI-SEIZE LUBRICANT.

NOTES :-

OPTIONAL GRAPHOIL PACKING WITH BALL TIP DESIGN AVAILABLE FOR HIGH TEMPARATURE 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.

PART NO.	PART DESCRIPTION	MATERIAL	QTY.
1	BODY	SS 316	1
2	GLAND BODY	SS 316	1
3	GLAND RETAINER	SS 304	1
4	GLAND SEAL	P.T.F.E.	2
5	CHECK NUT	SS 304	1
6	SPINDLE	SS316	1
7	TRIM	SS 316	1
8	HANDLE	SS 304	1
9	WASHER	SS 316	1
10	LOCK PIN	SS 304	1
11	DUST CAP	P.V.C.	1

TECHNICAL DATA			
Orifice	Cv	Pr. Rat	Temp. Rat
5 MM	0.65	6000 PSI (41300 kpa)	-20 TO 250deg(F) (-29 TO 121deg(C))
6.5 MM	2		

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	70	22
1"	88	45	102		26

REV: 00	TITLE	NEEDLE VALVE -AA(M) X (M)
DATE : 30/07/16		
DRG BY : D.B.PATEL	PART NO:	ARC-AA-MM
APPROVED : R.B YADAV		
DATE : 30/07/16		