



FEATURES :-

316 SS CONSTRUCTION FOR CORROSION RESISTANCE EXCELLENT FLOW REGULATION & LEAK TIGHT. SLOW OPENING PREVENTS SUDDEN PRESSURE SURGE & INSTRUMENT DAMAGE. INTERCHANGEABLE BONNET FOR 1/4" , 1/2" MALE TO FEMALE PIPE ENDS. ONE PIECE BODY CONSTRUCTION NO WELDING USED.

APPLICATION :-

REFINERIES, LIQUID PETROLIUM GAS PROCESSING PLANT PETRO DIFFICULT TO CHEMICALS PLANTS 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 :-

LIKE THE VIBERATIONS, TEMPERATURES, HELIUM ETC ARE AVAILABALE UPON REQUEST.

LUBRICATION :-

MOLLY ANTI-SEIZE LUBRICANT.

NOTES :-

OPTIONAL PACKING GRAPHOIL AVAILABLE FOR HIGH TEMPARATURE WITH BALL TIP DESIGN WHICH FORMS A BEARING JOINT WITH THE STEM, ELEMENT ROTATION BETWEEN BALL & SEAT AT CLOSER. THIS PREVENTS SCORING AND GALLING UP THE VALVE SEAT & INSURE LONG LIFE IN REPETITIVE SHUT OFF SERVICE. CLEAN OUT HOLE PREVENTS CLOGGING. SERIER OF END CONNECTIONS LIKE A MALE/FEMALE PIPE ENDS POWER LOCK TUBE CONNECTIONS WITH STRAIGHT & ANGLE PATTERNS. GLAND NUT OPTIONAL.

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	-20 TO 250deg(F)
6.5 MM	2	(41300 kpa)	(-29 TO 121deg(C)

TABLE OF DIMENSIONS			
SIZE	A	H-OPEN	H-CLOSED
1/4"	50	----	----
3/8"	50	84	75
1/2"	68	108	96
3/4"	70	115	105
1"	80	120	110

REV: 00	
DATE :	30/07/16
DRG BY :	D.B.PATEL
APPROVED :R.B YADAV	
DATE :	30/07/16

TITLE	NEEDLE VALVE OD X OD
PART NO:	ARC-109-NV