



Sr no	Description	Material of Construction
1	BODY	SS 316
2	SPINDLE	SS 316
3	GLAND NUT	SS 316
4	PACKING	TEFLON
5	GLAND PACKING	SS 316
6	RING	SS 316
7	HANDLE WHILE	ALUMINIUM
8	NUT	SS 316

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

FEATURES :-

316 SS CONSTRUCTION FOR CORROSION RESISTANCE FOR EXCELLENT FLOW REGULATION & LEAK TIGHT. SLOW OPENING PREVENTS SUDDEN PRESSURE SURGE & INSTRUMENT DAMAGE.
CONSTRUCTION NO WELDING USED. ONE PIECE BODY

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)

NOTE : DIMENSIONS ARE FOR REFERENCE ONLY. SUBJECT TO CHANGE.

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

REV: 00	TITLE	INTEGRAL BONNET NEEDLE VALVE
DATE : 30/07/16		
DRG BY : D.B PATEL	PART NO:	ARC-NV-2N3
APPROVED : R.B YADAV		
DATE : 30/07/16		