



PART NO.	PART NAME	Material	QTY.
1	Body	ASTM A479 SS316	1
2	Gland Body	ASTM A479 SS316	1
3	Stem	ASTM A479 SS316	1
4	Retainer	ASTM A479 SS316	1
5	Bottom Washer	ASTM A479 SS316	1
6	Packing	PTFE	2
7	Vee Tip	ASTM A564 SS174	1
8	Top Washer	ASTM A479 SS316	1
9	Thrust Ring	ASTM A240 SS316	1
10	Check Nut	ASTM A479 SS316	1
11	Drain Plug	ASTM A479 SS316	1
12	Handle	ASTM A351 CF8M	1
13	Socket Set Screw	ASTM A193 B8M	1

FEATURES

NON ROTATING VEE TIP PREVENTS GALLING AND PROMOTES REPETITIVE SHUT-OFF.
 PACKING BELOW THREADS / BACK SEATS ARRANGEMENT. MOLLY ANTI-SEIZE LUBRICANT.
 WITH VEE TIP DESIGN WHICH FORMS A BEARING JOINT WITH THE STEM ELIMINATE.
 ROTATING BETWEEN VEE TIP & SEAT AT CLOSE, THIS PREVENTS SCORING & GALLING UP THE
 VALVE SEATS & INSURE LONG LIFE IN REPETITIVE SHUT-OFF.
 BACK SEATED STEM
 BUBBLE TIGHT SHUT OFF

TESTING

PNEUMATIC TEST: - EACH VALVE IS TESTED WITH NITROGEN AT 2000PSI
 IN ACCORDANCE WITH MSS-SP-61 FOR SEAT AND PACKING LEAKAGE.
 HYDRO TEST: - PERFORMED WITH PURE WATER IN ACCORDANCE WITH MSS-SP-61, BODY
 TESTED AT 1.5 TIMES & SEAT LEAKAGE TESTED AT 1.1 TIMES OF THE WORKING PRESSURE.

DESIGN STANDARD

PRESSURE & TEMPERATURE RATING ARE SELECTED FROM ANSI B16.34
 STANDARD CLASS VALVES BASED ON ANSI B16.34 CLASS 2500 OPTIONAL
 SOUR GAS SERVICE CONFIRMS TO NACE MR-01-75

NOTES:-

1. ALL DIMENSIONS ARE IN MM. UNLESS SPECIFIED.
2. UNSPECIFIED GEN TOL. : 0.5 MM MAX.
3. UNSPECIFIED GEN ANG. TOL. : 0.1 MAX.
4. UNSPECIFIED ASLY. TOL. : 2MM MAX.
5. WEIGHT:- 568.89 GMS.

TECHNICAL DATA

Seat	Pressure Rating	Temperature Rating	Orifice
Metal Seat	6000 psi (41300 kpa)	PTFE	4.80mm
		-65 to 450 °F	
		-54 to 232 °C	
See Pressure Temperature Graph			

TITLE:- NEEDLE VALVE WITH VENT, M20x1.5 Mx F, WP.-6,000psi,
 GLOBE TYPE, METAL SEAT, NACE, SS316

DRN.	PS	
CHD.	SS	DATE:- 19-May-20
APPD.	DM	DWG NO.- VM-1

