



PART NO.	PART NAME	Material	QTY.
1	Body	ASTM A479 SS316	1
2	Drain Plug	ASTM A479 SS316	1
3	Gland Body	ASTM A479 SS316	1
4	Stem	ASTM A479 SS316	1
5	Retainer	ASTM A479 SS316	1
6	Bottom Washer	ASTM A479 SS316	1
7	Packing	Graphite	2
8	Vee Tip	ASTM A564 SS174	1
9	Top Washer	ASTM A479 SS316	1
10	Thrust Ring	ASTM A240 SS316	1
11	Check Nut	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:- 641.33 GMS.

TECHNICAL DATA		
Seat	Pressure Rating	Orifice
Metal Seat	6000 psi (41300 kpa)	GRAFOIL
		-65 to 1200 °F
		-54 to 648 °C
See Pressure Temperature Graph		

TITLE:- **NEEDLE VALVE WITH VENT, 1/2" BSPP Fx F, WP.-6,000psi, GLOBE TYPE, METAL SEAT, NACE, SS316**

DRN.	PS	
CHD.	SS	DATE:- 19-May-20
APPD.	DM	DWG NO.- VM-1/G1/2"/GR



**APLISENS S.A.**

