

**PARTS LIST**

S.NO.	PART NAME	QTY.	MATERIAL
1	HANDLE	1	S.S.
2	GRUB SCREW	1	STEEL PLATED
3	STEM	1	A 479-316
4	DUST CAP	1	A 479-316
5	GLAND RETAINER	1	A 479-316
6	RETAINER LOCK NUT	1	A 479-316
7	GLAND BODY	1	A 479-316
8	GLAND PACKING	1	P.T.F.E./GRAFOL
9	GLAND WASHER	2	A 479-316
10	WASHER	1	A 479-316
11	BODY	1	A 479-316
12	VEE TIP	1	TITANIUM/17-4PH

**FEATURES:**

316 S.S. CONSTRUCTION FOR CORROSION RESISTANCE. NON ROTATING TWO STEM VEE PLUG TIP DESIGN WHICH FORMS A BEARING JOINT WITH THE STEM ELIMINATES ROTATION BETWEEN PLUG & SEAT AT CLOSURE. THIS PREVENTS SCORING AND GALLING UP THE VALVE SEAT & ENSURE LONG LIFE IN REPETITIVE SHUT OFF SERVICE. EXTENDED BODY FOR INSULATION CLEARANCE. SCHEDULE 160 OR HEAVIER PIPE VALVE INLET FOR FULL STRENGTH. OPTIONAL GRAPHOIL PACKING ALSO AVAILABLE FOR HIGH TEMPERATURE APPLICATION WITH BALL TIP DESIGN.

**APPLICATION:**

PRESSURE SWITCHES, GAUGES AND DIFFERENTIAL PRESSURE TRANSMITTERS SUITABLE FOR BLOCK & BLEED ASSEMBLIES TO TEST PRESSURE SOURCE REQUIRED IN SAMPLING LINE OR A PLUG VALVE.

**TESTING:**

**STANDARD TEST:** - EACH VALVE IS TESTED WITH NITROGEN AT 1000 PSI FOR SEAT & 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.

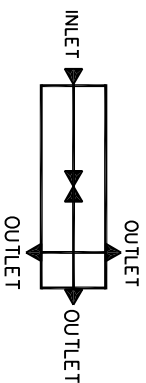
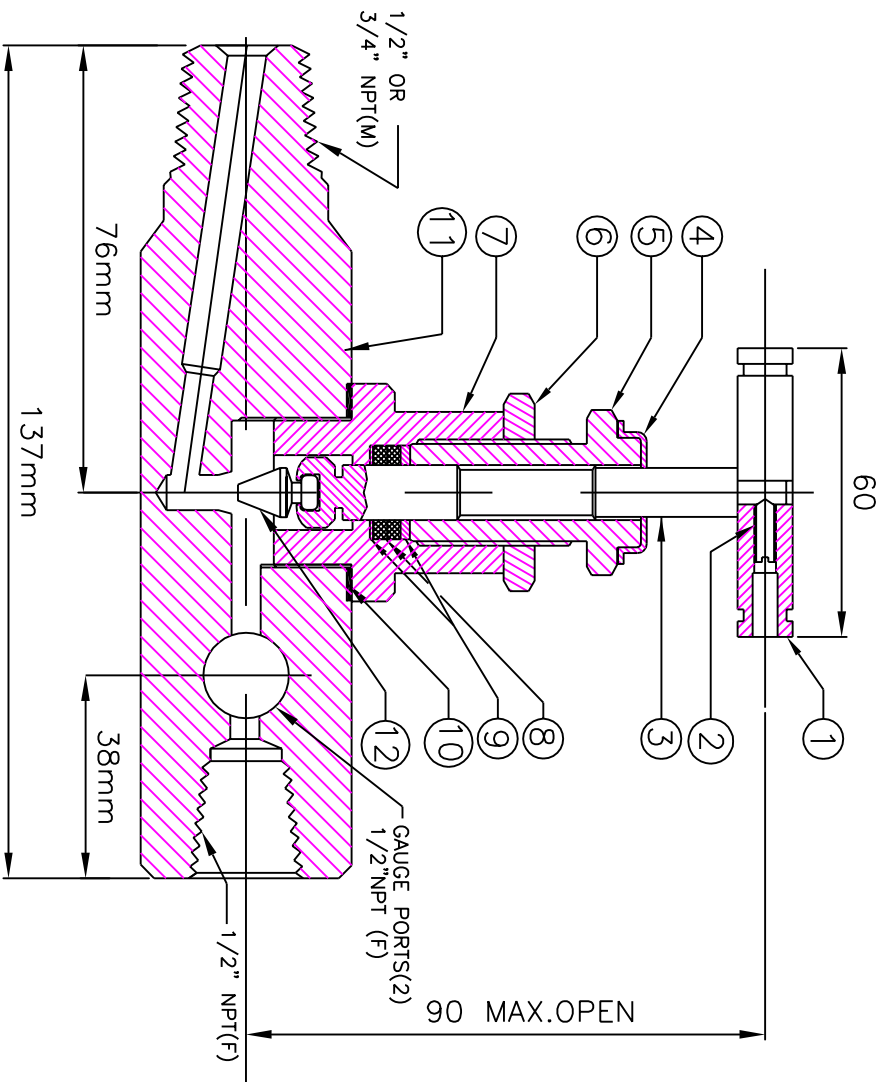
**OTHER TEST:** - LIKE VIBRATIONS, TEMPERATURES, HELIUM ETC. ARE AVAILABLE UPON REQUESTS.

**LUBRICATION:**

MOLLY ANTI SEIZE LUBRICANT.

**NOTES:**

- OPTIONAL PACKING GRAPHOIL AVAILABLE FOR HIGH TEMPERATURE APPLICATION.
- GAUGE PORTS AVAILABLE IN 1/4" OR 1/2" NPT FEMALE THREADS.
- DIMENSIONS ARE FOR REFERENCE ONLY. SUBJECT TO CHANGE.
- VALVE CAN BE SUPPLIED TO MEET CURRENT REVISION OF NACE MR-01-75 (SOUR GAS SERVICE)



**TECHNICAL DATA**

MAT.	STEM TYPE	TEMP. RATING	PR. RATING @ 100°F (38°C)	ORIFICE
S.S.316	VEE TIP	-65°F TO 450°F (-54°C TO 232°C)	6000 PSI (41.300 KPa)	5 mm.

TITLE: - **GAUGE ROOT VALVE METAL SEAT**

DRN.	CDC	SCALE	N.T.S.
CHD.	ET	DATE	04.07.2001
APPD.	JP	DRG NO-PGRV-H-S-88-MF-137mm	

**PANAM ENGINEERS**  
MUMBAI