

**PARTS LIST**

S.NO.	PART NAME	QTY.	MATERIAL
1	HANDLE	1	S.S.304/302
2	GRUB SCREW	1	STEEL PLATED
3	STEM	1	S.S.316
4	DUST CAP	1	S.S.316
5	GLAND RETAINER	1	S.S.316
6	RETAINER LOCK NUT	1	S.S.316
7	GLAND BODY	1	S.S.316
8	GLAND PACKING	1	P.T.F.E./GRAFOL
9	GLAND WASHER	2	S.S.316
10	WASHER	1	S.S.316
11	BODY	1	S.S.316
12	VTP/BALL	1	SS.316(STELLITED)/440C

**FEATURES:**

316 S.S. CONSTRUCTION FOR CORROSION RESISTANCE. NON ROTATING TWO STEM DESIGNS BALL OR PLUG TIP. EXTENDED BODY FOR INSULATION CLEARANCE. SCHEDULE 160 OR HEAVIER PIPE VALVE ON VALVE INLET FOR FULL STRENGTH. OPTIONAL PACKING GRAPHOL AVAILABLE FOR HIGH TEMPERATURES WITH ALL BALL TIP DESIGN WHICH FORMS A BEARING JOINT WITH THE STEM ELIMINATE ROTATION BETWEEN BALL & SEAT AT CLOSEURE. THIS PREVENTS SCORING AND GALLING UP THE VALVE SEAT & INSURE LONG LIFE IN REPETITIVE SHUT OFF SERVICE. CLEANOUT HOLE PREVENTS CLOGGING.

**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 GRAPHOL 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)

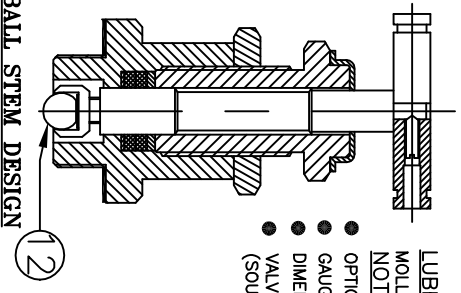
**TECHNICAL DATA**

MAT.	STEM TYPE	TEMP. RATING	PR. RATING @ 100°F (38°C)
S.S.316	BALL TIP	-65°F TO 450°F (-54°C TO 232°C)	6000 PSI (41,300 KPa)

**TABLE OF DIMENSIONS**  
(ALL DIMENSIONS ARE IN MM.)

DESCRIPTION	ORIFICE MM.	CONNECTING SIZE		DIMENSIONS									
		INLET	OUTLET	A	B	C	D	E	H				
SHORT BODY	5	1/2"NPT	1/2"NPT	137	76	38	32 SQ.	90	64				
LAGGING EXTENSION BODY	5	3/4"NPT	1/2"NPT	184	123	38	32 SQ.	90	64				

**BALL STEM DESIGN**



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

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CHD.	ET	DATE	04.07.2001
APPD.	JP	DRG. NO.	PE-GRV

**PANAM ENGINEERS**  
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