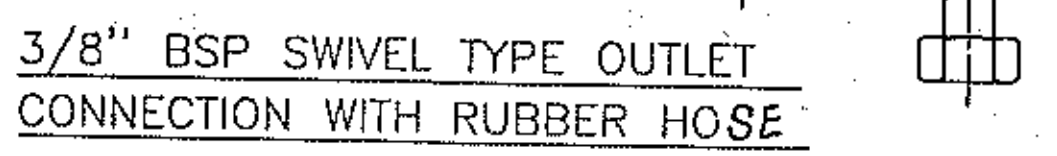
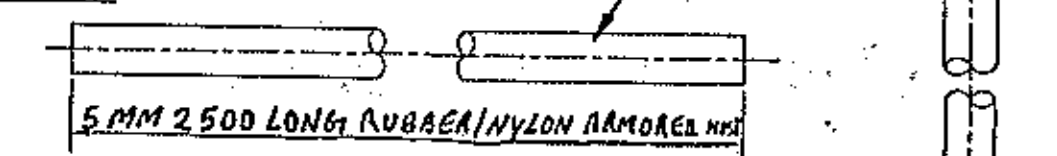
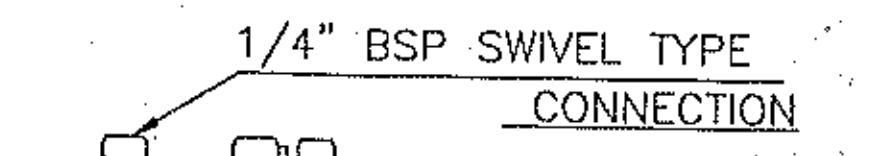
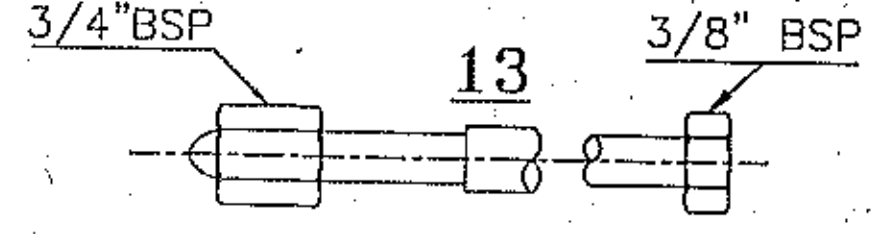
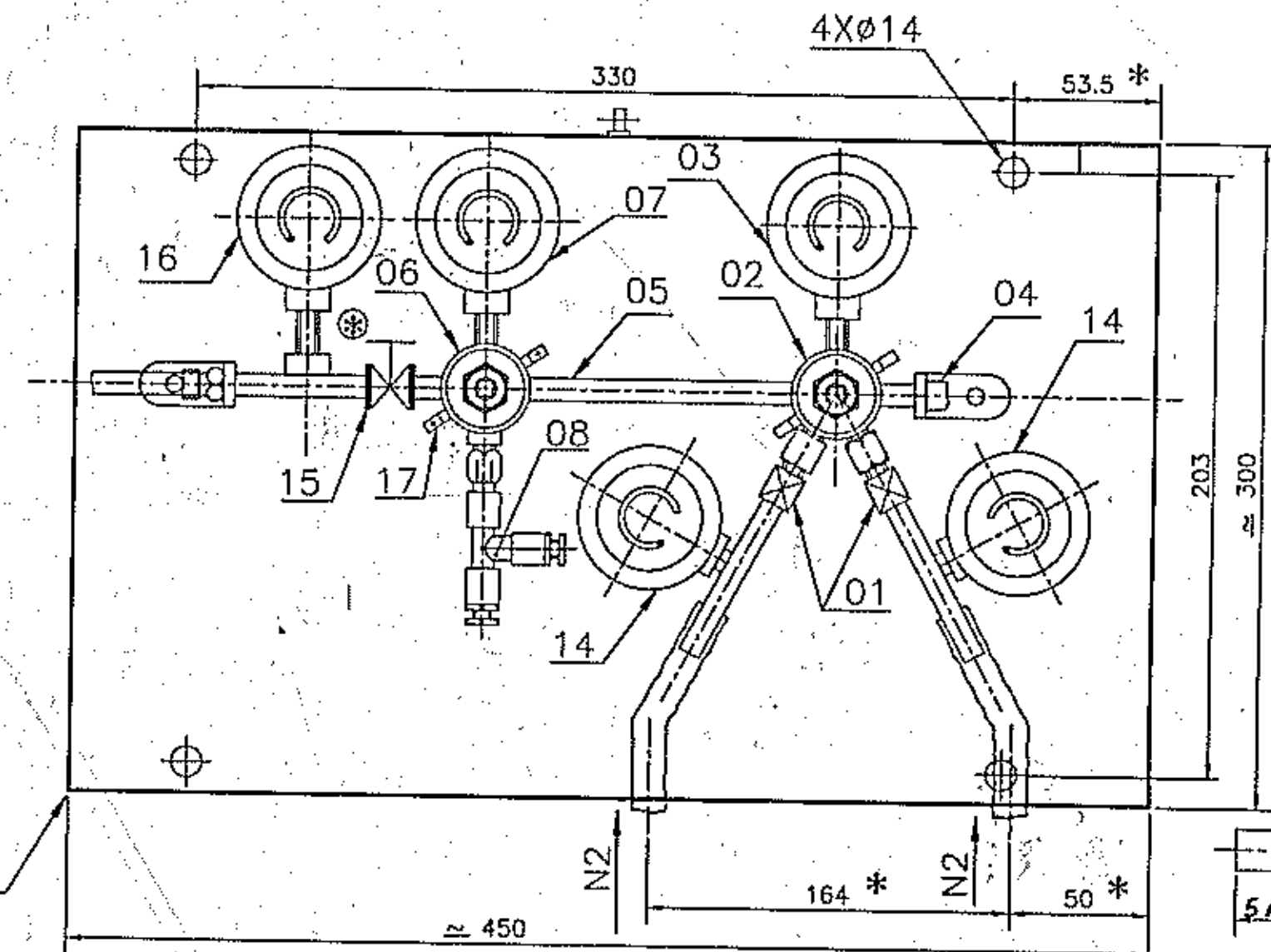
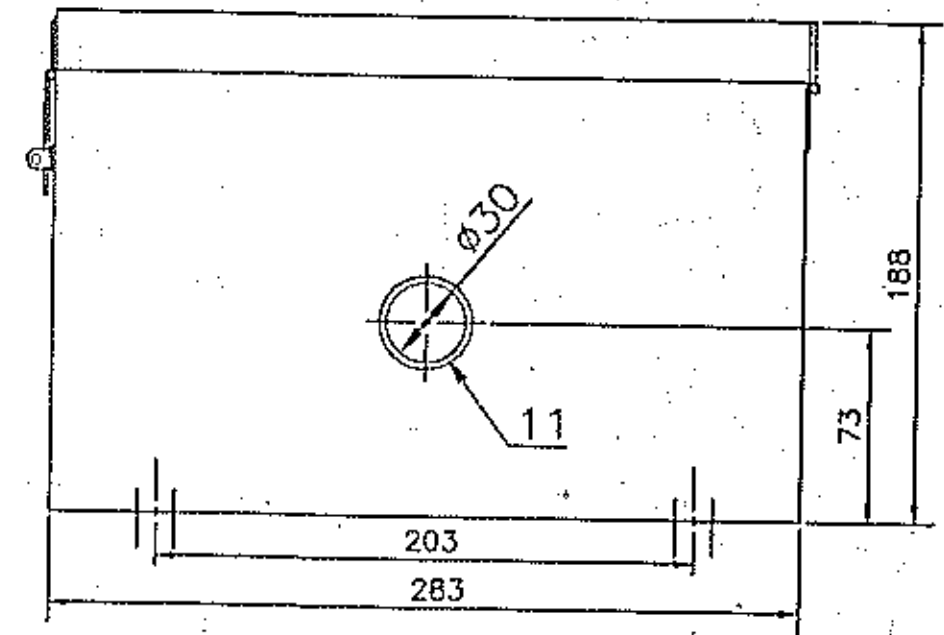
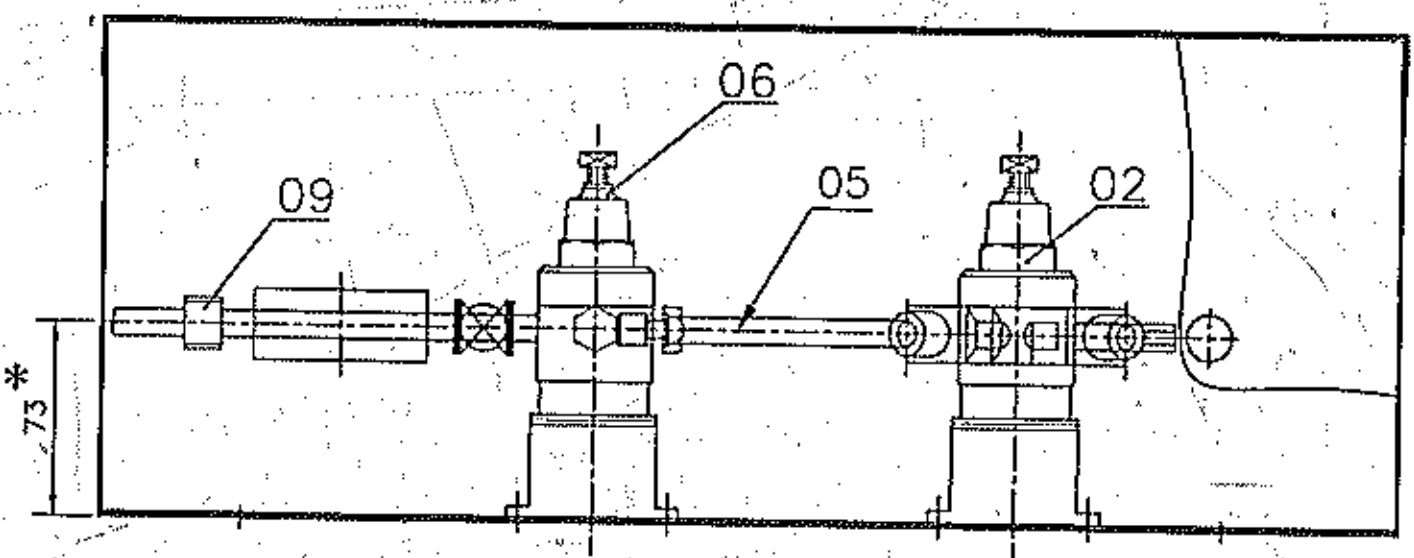


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NOTES:-

1. THE REGULATOR IS REQUIRED FOR USE WITH TWIN NITROGEN CYLINDERS WHICH ARE CONNECTED TO TRANSFORMER DURING TRANSIT.
 2. THE REGULATOR IS REQUIRED TO AUTOMATICALLY MAINTAIN A POSITIVE PRESSURE OF 0.15 TO 0.175 KG/SQ.CM IN SIDE THE TRANSFORMER & TO REGULATE TO ALLOW N2 GAS FROM CYLINDERS TO MAINTAIN POSITIVE PRESSURE ie IN CASE PRESSURE FALLS BELOW 0.15KG/SQ.CM IN THE TRANSFORMER DUE TO LEAKAGE/ TEMPERATURE VARIATION THE REGULATOR SHALL AUTOMATICALLY ALLOW ADDITIONAL GAS FROM CYLINDER TO BUILD UP REQUIRED PRESSURE IN TRANSFORMER.
 3. REGULATOR SHALL BE SUPPLIED WITH LP & HP GAUGE AND HIGH PRESSURE (COPPER TUBE) AND LOW PRESSURE (RUBBER/NYLON ARMORED TUBE OF SUITABLE QUALITY) HOSES.
 4. REGULATOR SHALL BE SUPPLIED WITH BUILT IN N.R.V.S. AND SAFETY VALVE PRESSURE GAUGES ETC. FIRST AND SECOND STAGE REGULATORS AS SHOWN.
 5. REGULATOR SHALL BE SUPPLIED IN SUITABLE STEEL BOX WITH LOCKING ARRANGEMENT TO AVOID PILFERAGE DURING TRANSIT. BOX SHALL BE PAINTED WITH TWO COATS OF ANTI CORROSIVE PRIMING PAINT INSIDE & OUTSIDE FOLLOWED BY TWO COATS OF WHITE PAINT INSIDE AND TWO COATS OF FULL GLOSSY FINISHING PAINT OF LIGHT GREY SHADE OUTSIDE.
 6. GAUGES SHALL GENERALLY CONFORM IS 3624.
 7. DIMENSIONS MARKED * MAY VARY ON ASSY.
- TESTING 8. (1) EACH REGULATOR SHALL BE TESTED FOR FUNCTIONAL TEST AND AFTER BLANKING OUTLET CONNECTION (09) FOR LEAK PROOFNESS WITH N2 / AIR FOR 24 HOURS.
- 11) H.P. HOSES SHALL BE TESTED WITH N2/AIR AS MENTIONED BELOW..
 - a) H.P. HOSES AT 140 KG/SQ.CM FOR 15 MTS.
 - b) L.P. HOSES AT 0.7 KG/SQ.CM FOR 15 MTS.
 - 111) T.C FOR EACH REGULATOR BEARING SL NO. & FOR HOSES SHALL BE FURNISHED.

S.NO.	DESCRIPTION	QTY.
17	SUPPORT	2
16	PRESSURE GAUGE 0 TO 1 Kg/Cm ² 65mm DIAL 1/4" NPT (FOR READING TRANSFORMER PRESSURE)	1
15	VALVE (NORMALLY OPENED)	1
14	INLET PRESSURE GAUGE 0 TO 210 KG /Cm ² . 65 mm DIAL 1/4" NPT.	2
13	INLET CONNECTION 800 MM LONG COPPER TUBE (ANNEALED)	2
12	OUTLET CONNECTION (BRASS)	1
11	RUBBER GROMET	1
10	M.S. BOX (SHEET TK. 1 MM)	1
09	3/8" BSP OUTLET CONNECTION (BRASS) WITH RUBBER ARMORED HOSE	1
08	L.P. DOUBLE SAFETY (ADJUSTABLE) VALVE SET AT 0.35 KG/SQ.CM	1
07	L.P. GAUGE 0 TO 1 KG/SQ.CM 65 MM DIAL 1/4" NPT	1
06	L.P. REGULATOR 2ND STAGE	1
05	CONNECTING LINK ASSEMBLY	1
04	H.P. SAFETY VALVE	1
03	H.P. GAUGE 0 TO 10 KG/SQ.CM 65 MM DIAL 1/4" NPT	1
02	H.P. REGULATOR 1ST STAGE 200KG/SQ.CM	1
01	INLET CUM N.R.V. 3/8" B.S.P. (R.H.M.)	2

SPECIAL NOTE TO SHOP

- FOR READING PRESSURE IN TRANSFORMER TANK FOLLOW THE FOLLOWING
1. CLOSE VALVE MARKED THUS ⊕
 2. WAIT FOR 8 TO 10 MINUTES TO ATTAIN BACK PRESSURE.
 3. READ TANK PRESSURE IT. ITEM 16.

STYLE LIST	
ST604330	N2 GAS REGULATOR

ADDITIONAL INFORMATION		TYPE OF PRODUCT	
STANDARD		OR	
STATUS OF DRAWING		NAME OF CUSTOMER / PROJECT	
DISTRIBUTION OF PRINTS		TRANSFORMER/REACTOR	
TRE	TRM	TRX	
1	3	1	
BHARAT HEAVY ELECTRICALS LTD. BHOPAL		DEPT. TRE	
DR. MANISH		UNTL. DIMS. GR.	
Sd/-		SCALE	
DATE 21.12.99		NTS	
EKD. J.S.KUNTHA		WEIGHT (K.G.)	
Sd/-		1499 88 00001	
DATE 21.12.99		REF. TO ASSY. DRG.	
APPD. T.K.GANGULI		ITEM NO.	
Sd/-		2 499 88 00017	
DATE 21.12.99		REV	
SHEET NO. 01		NO. OF SHEETS 01	

INVENTORY NO. SIGN & DATE REF. DRG. NO. CZ-5128004

REV.	DATE	ALTERED	BY	REV.	DATE	ALTERED	BY
04	08-01-11	CHECKED APPROVED	S.K.G.	03	10-10-07	CHECKED APPROVED	SDM
ARMORED HOSE IN PLACE OF RUBBER FIBER HOSE ADDED.				STYLE LIST ADDED.			
				ZONE FOR SL NO.14 GAUGE PRESSURE AND DIAL SIZE MENTIONED.			
				ZONE FOR SL-NO.16 GAUGE PRESSURE ADDED-NOTE NO 803 MODIFIED.			