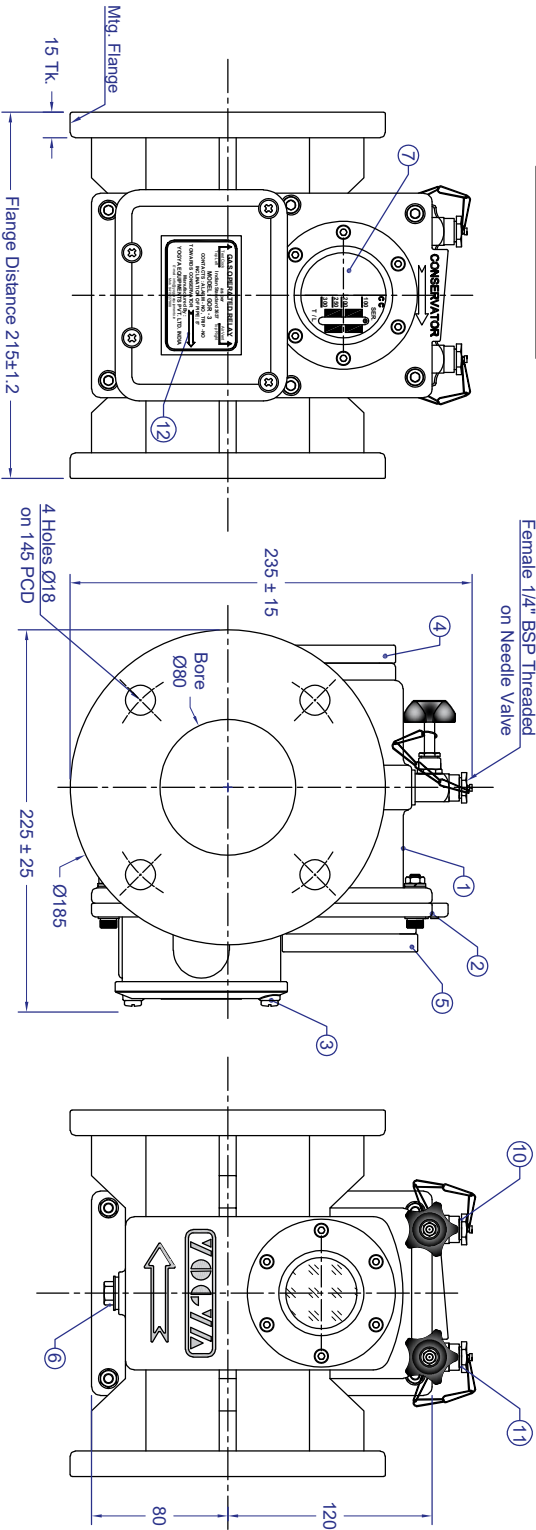


GOR-3



- FEATURES:-**
- 1). RELAY WITH CAST ALUMINIUM BODY.
 - 2). MAGNETIC REED SWITCHES.
 - 3). PAINT SHADE - LIGHT GREY.

NOTES:-

- 1). SUITABLE FOR 80 NB PIPE LINE.
- 2). CONNECTING FLANGE SIZE Ø185 HAVING HOLES Ø18, 4-NOS. AT 145 PCD OFF CENTER AS SHOWN.
- 3). DIRECTION OF ARROW → INDICATES POSITION OF CONSERVATOR.
- 4). LIQUID IN TANK - TRANSFORMER OIL.
- 5). OPERATING TEMPERATURE - 10 TO 105 °C OF OIL.
- 6). MOUNT ON PIPELINE INCLINED AT 3° TO 7°.
- 6). BUCHHOLZ IS TESTED WITH INCLINATION 5° - FOR TESTING AT SITE ENSURE THIS INCLINATION.
- 7). TOLERANCES AS PER ISO-2768 & IS-2102.

TEST (ROUTINE):-

- 1). GAS VOLUME (ALARM) CC - 200 TO 300.
- 2). HV TEST 2 KV FOR 1 MINUTE (BETWEEN BODY & TERMINALS).
- 3). POROSITY TEST - AT 1.50 K g/cm² FOR 4 Hrs. IN OIL.
- 4). STEADY OIL VELOCITY TEST AT 90-160 CM/S (TRIP CONTACT).
- 5). INSULATION RESISTANCE TO EARTH AT EACH TERMINAL AND BETWEEN TERMINALS OF THE RELAY SHALL NOT BE LESS THAN 10 MEGA-OHMS.
- 6). ELEMENT TEST - 1.75 K g/cm² FOR 15 Min. IN OIL.

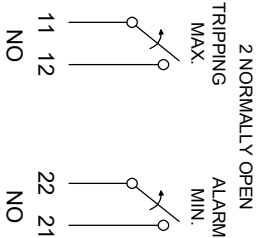
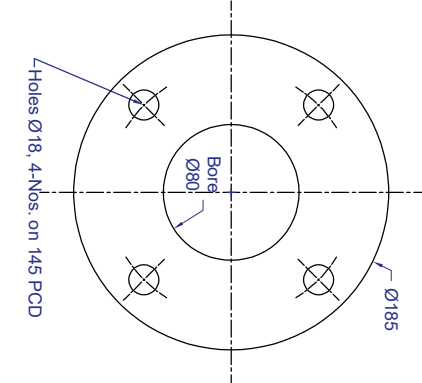
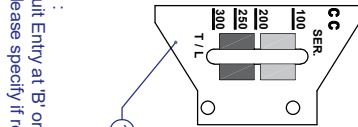
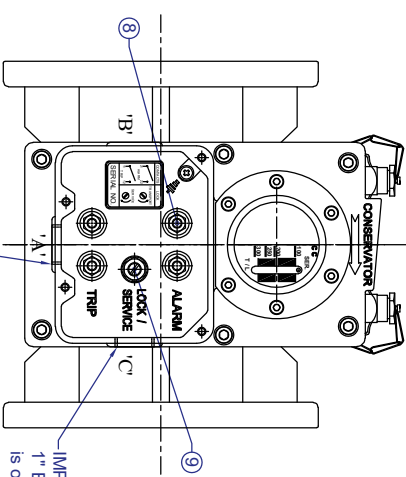
FRONT VIEW WITH
TERMINAL COVER REMOVED

AIR VOLUME SCALE

MTG. FLANGE DETAILS

CIRCUIT DIAGRAM

BILL OF MATERIAL



S NO.	DESCRIPTION	QTY.	MATERIAL
1	Body Part - Die Casted	1	Aluminium
2	Cover Part - Die Casted	1	Aluminium
3	Terminal Box Cover - Die Casted	1	Aluminium
4	Eye Cover (Body Part) - Die Casted	1	Aluminium
5	Eye Cover (Cover Part) - Die Casted	1	Aluminium
6	Drain Plug	1	Stainless Steel
7	Glass Window	2	Toughened
8	Terminals M6 (Alarm / Trip)	4	Brass
9	Test Lock Screw	1	Mild Steel
10	Needle Valve Air Release	1	Brass
11	Needle Valve Air Test	1	Brass
12	Name and Serial No. Plate	1	Al. Anodised
13	Gas Volume Scale	1	Aluminium

TECHNICAL PARAMETERS--AS PER IS 3637

RELAY SIZE	OIL VEL. FOR TRIP CONTACT OPERATION CM/SEC	GAS VOLUME FOR ALARM CONTACT IN CC	TRFR. RATING IN MVA	APPROX. WEIGHT IN KG.	ITEM CODE
GOR-3 - 215	90 - 160	200 - 300	> 10 MVA	6.4	11-30-001



TOLERANCE ISO 2768		REFERENCE	
CLASS MEDIUM		F 11003001	
	SCALE	DIM. UNIT	SIZE
	NTS	mm	A4
	NAME	SIGN.	DATE

TITLE :
BUCHHOLZ RELAY
IN 80 MM - 215 (2 NO)

PREPARED BY: M.P. Verma	16 / 04 / 24
CHECKED BY: P. SURI	16 / 04 / 24
APPROVED BY: P. SURI	16 / 04 / 24
DOCUMENT NO.	REVISION:
F 1130001	00