

PRESSURE RELIEF VALVE



FOR TRANSFORMER



Model : T3



Model : T6



Code : 800-101



Code : 800-102

GENERAL

Pressure Relief Valve is a safety device used on oil filled transformer. Electrical faults may increase the temperature tremendously and disintegrate the oil into hydro carbon gases thus increase the internal pressures beyond their safe Limits. Pressure Relief valves operate at this instance and gives opening for passage of oil and manage to relieve the pressure by releasing considerable amount of it. If the Relief valve is equipped with switches then additionally it gives an alarm and trips the total electrical system.

CONSTRUCTION

Base body is of aluminium pressure die casted and heavily powder coated. Diaphragm pressed from Stainless Steel sheet covers the base body and rests on a gasket rubber ring. Set of springs provide the necessary resistance towards rising of Diaphragm and lets it rise only on a set pressure. These springs remain in position with provision of a cap dome over it which is bolted with the base body. A limit switch is housed over the body with a trigger projecting. When the pressure in Tank increases on a certain set pressure the diaphragm lifts from its seat. This pushes the trigger which ultimately strikes the roller of limit switch which rises above and so the flap of indication.

BILL OF MATERIAL

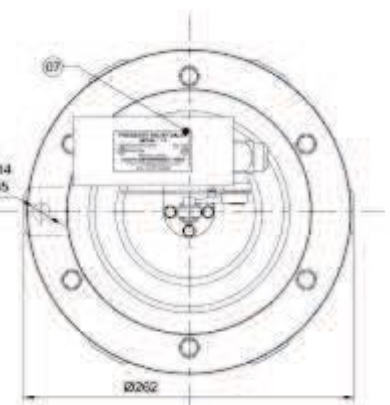
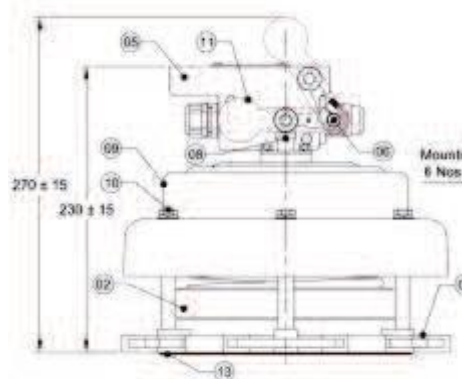
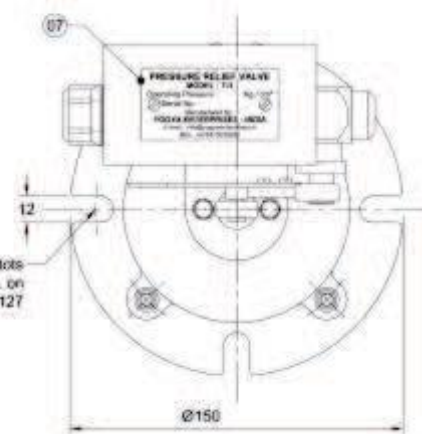
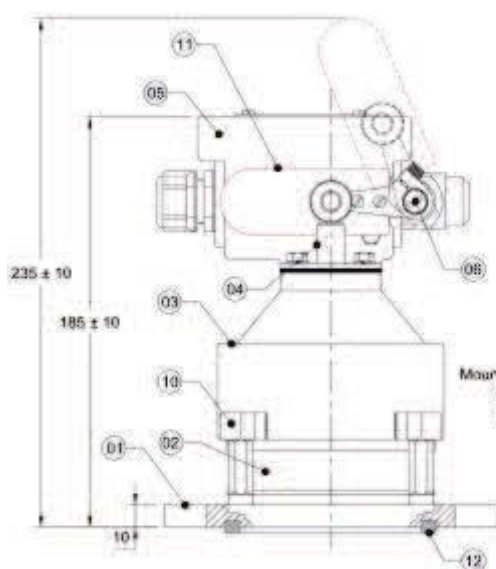
S. No.	Description	Material	Qty.
1	Base	Cast Aluminium	1
2	Diaphragm	Stainless Steel	1
3	Dome	Cast Aluminium	1
4	Switch Operating Rod	Aluminium	1
5	Switch Bracket	Mild Steel	1
6	Limit Switch	As per Requirement	1
7	Name & Product Label	Stainless Steel	1
8	Switch Operating Rod	Brass	1
9	Deep Drawn Cover	Mild Steel	1
10	Clamping Hardware	Stainless Steel	--
11	Indicating Flap	Aluminium	1
12	Mounting Gasket	Viton	1
13	Mounting Gasket	Not in our Scope	1

VALVE SPECIFICATIONS

Liquid in tank	: Transformer oil
Operating Pressure	: 0.42 Kg/Cm2 (6 PSI) : 0.49 Kg/Cm2 (7 PSI) : 0.56 Kg/Cm2 (8 PSI) : 0.70 Kg/Cm2 (10 PSI)
Operating tolerance	: + 0.07 Kg/Cm2 (1.0 PSI)
Operating time	: Instantaneous
Operating temperature	: 0 to 100oC (of transformer oil)
Port opening	: 150 mm Dia - T6 70 mm Dia - T3
Valve resetting	: Automatic
Switch	: Limit Switch D.P.D.T
Switch resetting	: Manual
Environment	: Indoor & Outdoor

SWITCH SPECIFICATIONS

Number of Switch	: 1 Limit Switch
Operation	: Automatic
Contact rating : AC	: 240V 10 Amps
Contact rating : DC	: 250V 0.4 Amps
Number of contacts	: 1 NO + 1 NC 2 NO + 2 NC (Optional)
Weather protection	: IP 67
Cable entry	: 1" Conduit



OUR OTHER PRODUCTS :

- PRISMATIC AND KENYA TYPE
OIL LEVEL INDICATOR
- GAS AND OIL OPERATED BUCHHOLZ RELAY
 - GAS COLLECTING DEVICE
 - SILICAGEL BREATHER
 - OIL SURGE RELAY



YOGYA ENTERPRISES

284 003, In Front of A Cabin, AC Loco Shed Road, Mahaveeranpura,
Uttar Pradesh, Jhansi, India. Ph. : +919415030985. e-mail : info@yogyaenterprises.in