

# PRESSURE RELIEF VALVES

Type : T50 & T80



306/7 without switch



306/7 with indicator & switch



306/7 with switch & directional cover



306/7 with switch & cover



306/7 with switch & shroud

## FEATURES

- Available in standard factory pre-set pressure setting between 20 to 70kpa (3 to 10psi).
- Electric signal switch optional.
- Stainless Steel directional cover.
- Gas bleed screw in all models.
- Each unit has individual serial number and test certificate with exact value of operation pressure.
- All Stainless Steel/Brass hardware for extreme outdoor conditions.
- Electrostatic powder coated body.
- EN 50216 and IEC 60076 compliant, CE marked.
- Interchangeable with other brands.

# VIAT

**INSTRUMENTS**

VI-C03B(R1)

**A House of  
Transformer  
Accessories**

<b>Technical Specifications</b>		
<b>Mechanical:</b>	Recommended Tank Opening:	For 306 Series 70mm $\pm$ 5mm. For 307 Series 110mm $\pm$ 5mm.
<b>Electrical:</b>	Cable Entry Range:	M20 x 1.5 / M25 / PG13.5
	Dielectric Isolation:	<i>Between circuits and earth: 2kV RMS AC for 1 minute.</i> <i>Between contacts in open position: 1kV RMS AC for 1 minute.</i>
	Switch Rating:	For Model : XX02, XX05 & XX06 : $U_i$ :500V, $U_{imp}$ :6KV AC-15 240V 3A $I_{th}$ :10A For Model : XX09, XX11 & XX14 : 10A 125/250V AC 5A 48V DC
<b>Environmental:</b>	Ambient Operating Temperature:	In Oil: -25°C to 100°C In Air: -40°C to 80°C
	Switch Enclosure	IP67 is for model: XX02, XX06 & XX14 IP65 is for model: XX09 & XX11
	Switch Operating Temperature:	-25°C to 125°C

## WORKING:

When pressure in the tank rises, the total force on the area defined by the top gasket on the operating disc also increases. As soon as this force exceeds the load applied by the springs, the operating disc moves slightly upwards. This exposes the transformer pressure to a greater area corresponding to the diameter of side gasket, resulting in sudden increase of force. The disc lifts instantaneously and vents out the excess pressure in the transformer. When the pressure falls to allowable values, the spring forces the disc back to its original position.

The device has rugged construction and does not require maintenance. The operating pressure is factory pre-set and cannot be changed at site. The compression screws on the cover can never be removed, doing so might cause extreme damage to both personnel and equipment.

## APPLICATION:

These Pressure Relief Valves are recommended to be used on all sizes of transformers ranging from distribution transformers to small power transformers. There is no general formula or international standard to govern the size of PRV and tank. A broad recommendation would be T50 - upto 3000 litres and T80 - upto 9000 litres.

Please contact us for ordering form and any further details.

Due to our policy of continuous product improvement, dimensions and designs are subject to change.



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