

# PRESSURE RELIEF VALVES

## For Small Distribution Transformers



301 With G 1/4" Mounting



308 With G1" Mounting & Short Spring



309 With G1" Mounting & Long Spring



317 With G 1/2" Mounting



315 With G1.5" Mounting



318 With G 3/4" Mounting



313 With G2" Mounting

## FEATURES

- All forged brass, stainless steel components for use in extreme outdoor conditions.
- Viton® 'O' Ring for long trouble free service.
- Operating pressure range available from 20 kPa to 70 kPa (0.2 to 0.7 bar).
- Other non-standard pressure settings can also be provided on-request.
- Thread size G 1/2", G 3/4", G1", G1.5" & G2" to ISO 228.
- Valve supplied with mounting gasket.
- 100% valve tested for operating pressure.
- Additional protection cap to prevent ingress of dust or other foreign particles.

# VIAT

## INSTRUMENTS

VI-C02B(R0)

A House of  
Transformer  
Accessories

# PRESSURE RELIEF VALVES

## Construction:

The Pressure Relief Valve consists of a forged body suitable for thread mounting on the transformer tank. The shutter is spring loaded using tie rod and lock nuts and seals against the body with Viton® "O" Ring. The Protective Cap prevents ingress of insects, dust. All Pressure Relief Valves are supplied with mounting gasket.

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 can never be tampered with, doing so might cause extreme damage to both personnel and equipment.

## Working:

When pressure in the tank rises and the total force on the plunger exceeds the load applied by the springs, the plunger moves upwards and vents out the excess pressure in the transformer. When the pressure falls to allowable values, the spring forces the plunger back to its original position.

## Application:

These Pressure Relief Devices are recommended to be used on small distribution transformers. It can also be used for various other applications and on various tanks and compartments where any pressure build-up needs to be relieved ranging from 20kPa to 70kPa.

<b>Technical Specifications</b>	
<b>Mechanical:</b>	
Operating pressure pre-set range	20 to 70 kPa.
Leakproof till	80% of operating pressure.
<b>Environmental:</b>	
Ambient operating temperature	In Oil : -25°C to +120°C In Air : -40°C to +80°C
Sealing Rating	IP67

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.



### VIAT INSTRUMENTS PVT. LTD.

2701 to 2704, Shilpangan Phase-II, Block LB-1  
Sector-III, Salt Lake, Kolkata - 700 098, INDIA  
Phones : (91-33) 9903805104, 23352925 ● Fax : (91-33) 23352926  
E-mail : viatin@viatin.com ● Website : www.viatin.com

### VIAT AMERICA, INC.

Tel: 949-679-0950  
Fax: 949-417-1358  
E-mail : sales@viatamerica.com  
Website : www.viatamerica.com