



ASVIN TRANSFORMER PRESSURE RELIEF VALVE



The purpose of this Transformer Pressure Relief Valve is to relieve the internal tank pressure for liquid filled power transformers. When a transformer develops an internal fault or some other condition like high heat or partial discharging, the internal pressure can cause a tank rupture. A pressure relief device will open when the internal pressure exceeds the valve spring force. This allows the tank pressure to vent to the atmosphere.

The Transformer Pressure Relief Valve is essentially a spring-loaded valve having a unique means of providing instantaneous amplification of actuation force. The Transformer Pressure Relief Valve is mounted on transformer by lugs on flange and sealed against gasket. Valve disc is spring loaded and sealed against gasket rings and by spring. Valve operates when the pressure in gasket ring exceeds the opening pressure established by springs. As disc moves upwards slightly from gasket ring, the transformer pressure then quickly becomes exposed to the disc area of the diameter of gasket ring, resulting in a greatly increased force, and causing immediate full opening of the valve corresponding to the closed height of the springs. The transformer pressure is rapidly reduced to normal value and springs return valve disc to the closed position.

The Transformer Pressure Relief Valve is provided with a shielded weather-proof alarm switch assembly mounted on the cover. The switch assembly includes a single-pole double-throw switch. The switch actuated by movement of valve disc the switch is manually reset by arm.

Asian Industrial Valves and Instruments manufacture Transformer Pressure Relief Valve. When the pressure decreases to the protected value, the spring gets back to its primary position, therefore, revealing the body with 'O' ring. It is a device of the brass body, polypropylene protecting cap, spring, o-ring, nitrile element part machine and brass nut. These Transformer Pressure Relief Valve are 100% tested for working pressure.

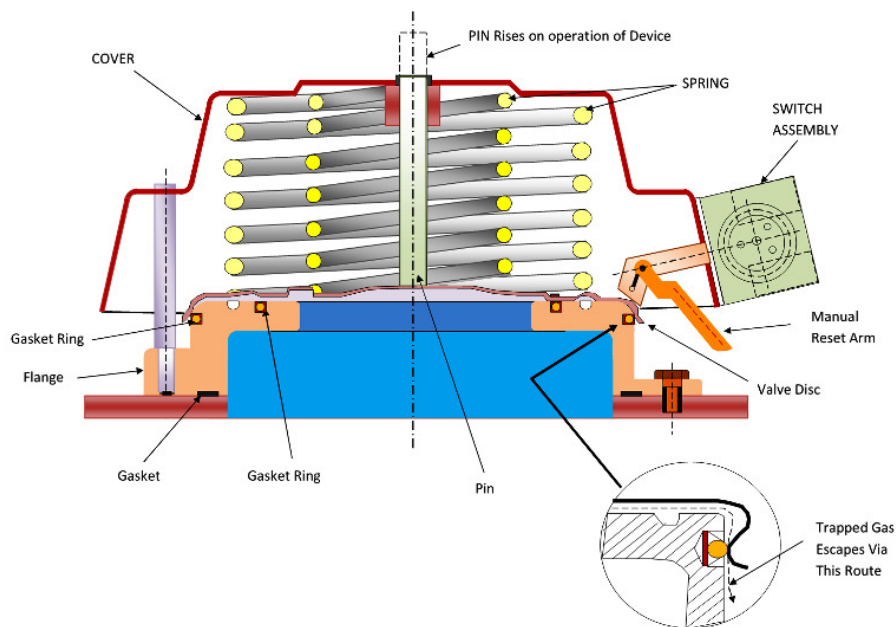
Supported by a wide industrial experience since 1982, **Asian Industrial Valves and Instruments** have achieved the ability to offering Transformer Pressure Relief Valve along with Safety Valves

Application:

- The Transformer Pressure Relief Valve (TPRV) is designed as a protection device to be worked on power transformers and related oil-filled electrical types of equipment. When the pressure in the tank increases beyond a predetermined safe limit.

Features of ASVIN Pressure Relief Valves

- Compact, Efficient and extremely reliable design.
- The low tail allows an easy place for each part of the cover.
- Breaking pressure flexible from .21 to .71 Kg/sq. cm.
- Strong Forged Brass body and Cover
- Centre Rod is Built out of Brass to Ensure a Safe and Steady Service and a High Life.
- Safeguard Built into the Cap in line to direct any Oil Spills Down.
- The Valve can be used as filling Cap too.
- Model 304 Stainless Steel Deep-Drawn Diaphragm with Spring Locator Convolutions.
- Specifically designed backwards wound springs and Assemble systems provides uniform valve loading and Enhanced relief rates.
- Different Spring retaining system on Diaphragm and cover.
- Each stainless-steel fasteners and hardware.
- Electric Instantaneous Venting and Sealing.
- Pressure Diecast is porosity available.
- Aluminium flange and Cover are properly UV Proof Powder covered for greater climate strength.
- IP 67 guarded Switch with 1NO and 1NC connection.
- Quickly colored flag, mixed with the switch, gives a visual indication of valve control by raising a flag.



ASIAN INDUSTRIAL VALVES AND INSTRUMENTS

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