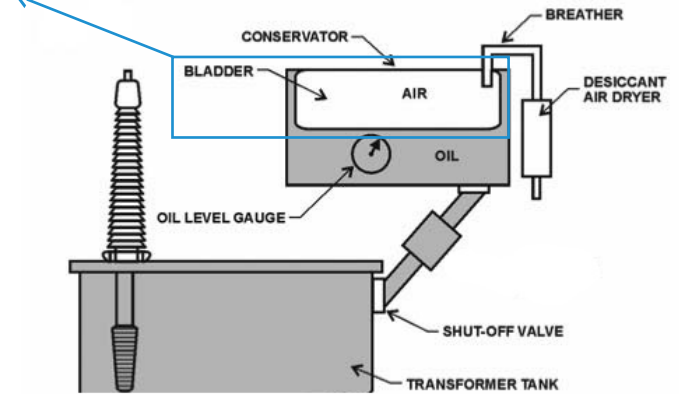


STP : FLEXIBLE SEPARATOR



STP rubber bags are to line inside of the conservator tank in transformers, allowing for changes in oil volume, while protecting the oil from any type of contamination or external corrosive agents, such as air, ozone, nitrogen, humidity, etc.

STP rubber bags are made from an elastomer-coated fabric, vulcanized at high temperature under vacuum: fabric reinforcement external coating designed to provide very high resistance to transformer oil, internal protection resistant to nitrogen and atmospheric agents including ozone.

It offers a large range of elastomers to meet specific applications and a wide range of shapes and sizes to fit every need.

- Large range of flanges to meet any requirement
- Easy quick assembly
- Superb service life in contact with air and oil
- High mechanical resistance

PRONAL'S ADVANTAGES

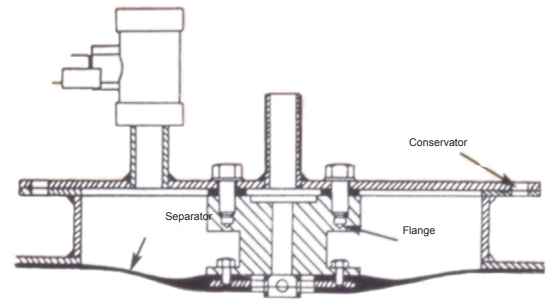
- High quality rubber
- Wide range of working temperatures
- Maintenance free & reliability
- No air/oil contact, no condensation
- Vulcanized-in flange which avoid the possibility of leakage
- No oxidation and no hydrolysis that might stem from air contact
- Interior fabric reinforcement at points of contact to avoid punctures
- Excellent impermeability to oil/gases and water vapour
- Quick-Response manufacturing to meet customer designs

ACCESSORIES

FLANGE ASSEMBLY OF TYPE B1 FLANGE

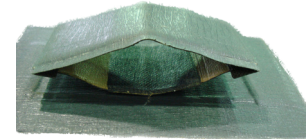
An insert is directly vulcanized into the rubber. The flange is then assembled on this insert. Thus, insuring a perfect sealing of the rubber bag.

Several flanges models are available to fit to every conservator types.



RUBBER BAGS LUGS

Typically, the STPs are fitted with 2 attachment lugs, located in a precisely-defined position. Special positions or additional lugs are available upon request.



CONSERVATOR ATTACHMENT

Lugs are installed on the conservator welded attachment hook.

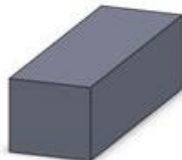


SEPARATOR'S SHAPES

PRONAL's rubber bags can be used in several conservators shapes.



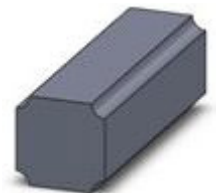
CYLINDRICAL



RECTANGULAR



ELLIPTICAL



SPECIAL SHAPE

CALCULATION FORMULAS

Calculations of a rubber bag used in a cylindrical conservator:

$$X \text{ (mm)} = \text{length of conservator} + Y - \text{diameter of conservator}$$

$$y \text{ (mm)} = \frac{(\pi \times \text{conservator diameter}) + 40 \text{ mm}}{2}$$

$$Z \text{ (mm)} = X - Y - 200 \text{ mm}$$

X : Flat length of the STP

Y : Flat width of the STP

Z : Distance between lugs

Note: Rubber bag dimensions when fully deflated
Consult us for other conservator shape

