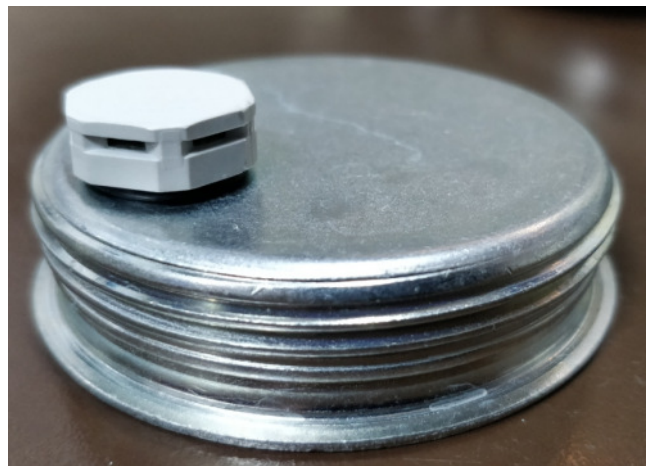


Tri-Sure® Vented Closures

Tri-Sure closures now comes with micro porous permeable membrane which helps to continuously equalize internal pressure of the container with atmospheric pressure.

Makes handling and storage of your products safer by preventing inflation or deflation of the container at the same time is leak proof and compatible to most chemicals.



Features –

1. Made of permeable membrane that allows only gases to flow through but does not allow any liquids
2. Remains leak proof even when drop tested from a height of 1.5 m
3. Average opening pressure – almost 0 bar
4. Average air flow rate - > 500 ml/ minute at 7 Kg/cm²
5. Venting action is bi-directional (i.e. Vents in and Vents out)

UN Test requirement

Reference is made to the following statements in para 9.3.8 of the UN Recommendation on the Transport of Dangerous Goods. 'Where pressure may develop in a package by the emission of gas from the contents (as a results of a temperature increase or other cause), the packaging may be fitted with a vent provided that the gas emitted will not cause danger on account of its toxicity, flammability, the quantity released, etc. Venting of the

package should not be permitted for air transport' Where the risk exists of ingress of foreign material into the drum the packager should verify whether this is acceptable for the to be filled product. The performance of vents may be impaired if contaminated by the filling product (see also para. 5.1 and 5.2).

Purpose of Venting

The purpose of venting a package can be: - To relieve overpressure caused by gassing of the filling product (e.g. hydrogen peroxide)

- To relieve under pressure caused by cooling down of a drum after hot filling (e.g. high viscosity liquids)
- To prevent unsafe stacking conditions of light weight packages as a result of pressure changes caused by temperature variations.

Cautionary Notes

- 1) Always store the containers upright, store under cover, air transport is not permitted and check National Regulations for local requirements.
- 2) Highly hygroscopic products or products sensitive to ingress of foreign material should be tested before bulk use
- 3) For vented plugs special Tri-Sure Tab-Seal caps with a venting hole must be used to allow the flow of gas, while still reducing considerably the risk of ingress of foreign materials.
- 4) Chemical compatibility of vented body and gasket, with the chemical being filled, should be ascertained before use.