

Press Release

Storage Tank vent breathers protect sensitive fluids

Brownell has extended its range of storage tank vent breathers and adsorbers to prevent the contamination of valuable products from the harmful effects of moisture.

Installation of these breathers has been made quick and simple, with a direct connection to an existing breather or vent pipe. This ensures that any incoming moisture vapour is removed before entering the tank. The effects of air transfer will lead to a dry gas blanket over the stored product.

A removable adsorbent container allows the unit's desiccant material to be changed without breaking the breather pipe connection. Furthermore, a distinctive change in the desiccant's colour, signals when it is saturated and needs to be replaced or reactivated. The colour change is from bright orange to a distinctive dark green.

Stored products characteristics can be adversely changed by an increase in moisture content. These effects can include: reduced viscosity, lower electrical insulation, chemical stability and concentration.

Some of the range of storage tank vent dryers are suitable for use in aggressive and hostile environments such as the North Sea, and are designed for use with storage tanks containing corrosive fluids such as acid and alkalis. Typical locations would include chemical sites, plant works and processing installations.