A Simple Solution for Today’s Tighter Emissions Standards

Tightening emissions regulations

The EPA has limited the level of emissions allowed through its “Quad O” regulation.

Dead weight, oblong-shaped thief hatches designed in the 1940’s are still in use on many well pad tanks. These hatches were not designed for emissions control and can be a risk in meeting today’s regulations.

Tighter regulations call for tighter tank top solutions.

A simple solution for replacing oblong thief hatches

Emerson has developed a unique solution to address this problem. A custom-designed adapter, bundled with a high-performance thief hatch and emergency vent, fit perfectly on the existing oblong opening while providing industry-leading emissions performance.

In addition to emissions control, the escape of evaporated tank liquid is also minimized which conserves the tank’s valuable oil or gas contents.

Emerson’s tight-sealing storage tank solutions can help you meet your Quad O compliance challenges.
A simple solution for today’s tighter emissions standards

How It Works

The adapter bundle is made up of three components:

1. The adapter, which matches and covers the existing oblong-shaped tank opening
2. A thief hatch, which provides access for gauging and sampling, as well as pressure and vacuum relief
3. A small emergency vent, which provides an additional level of pressure relief for tank safety

Features and Benefits

• Custom-designed to make upgrading oblong hatches fast and easy
• Includes high-performance thief hatch and emergency vent to reduce emissions risk
• Provides two levels of pressure relief, in addition to maintaining access for gauging and sampling

Specifications

Adapter
• Sizes: 8x18 in. and 8x22 in. API
• Material: Aluminum

Thief Hatch
• Model: ES-665
• Size: 8 in. API
• Pressure Settings: 4.0 to 32 oz/sq. in.
• Vacuum Settings: 0.4, 0.9 and 3.5 oz/sq. in.

Emergency Vent
• Model: 2000
• Size: 8 in. API
• Pressure Settings: 2.0 to 32 oz/sq. in.