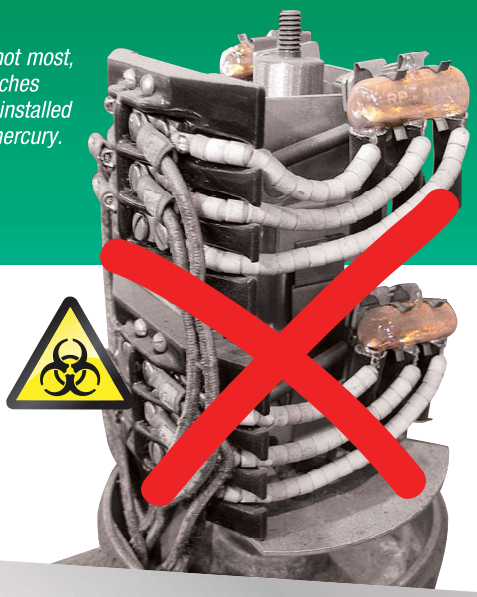
JERGUSON®
Mercury Free Level Switches

The World's
Most Reliable
Level Switch

It's Time to Get the Mercury Out!



Many, if not most, level switches currently installed contain mercury.

The U.S. Environmental Protection Agency has identified industrial level switches as a major user of mercury.

Mercury is very, very bad stuff: toxic via either ingestion or absorption, it can volatilize at room temperature. When spilled, it doesn't disappear, but can constantly circulate in air, water or soil.

State Demands Answers Mercury Spill

Union Demands Employee Testing for Mercury Contaminants

The EPA recommends that, wherever feasible, mercury be eliminated. The Jerguson Tri-Magnet Level Switch provides an easy safety upgrade: no mercury and a much more reliable switch.

What Products Contain Mercury?

Wiring Devices and Electrical Switches, Including Thermostats

This is currently the largest category of mercury consumption and the biggest single use of mercury in this category is the mercury relay. Many mercury containing switches are used in fuel combustion, i.e. coal, oil and natural gas power and heating plants. Examples: Thermostats, light switches, float switches, pressure switches, flow controllers.

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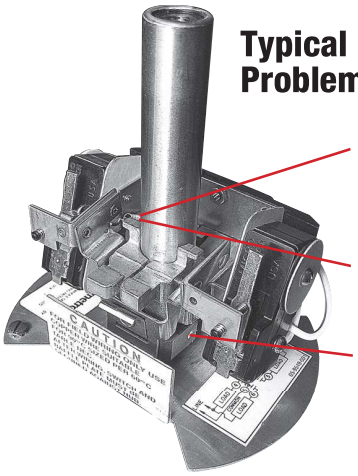
Jerguson "Snap-Action" Level Switch

Addresses All Mercury Switch Reliability Problems

to

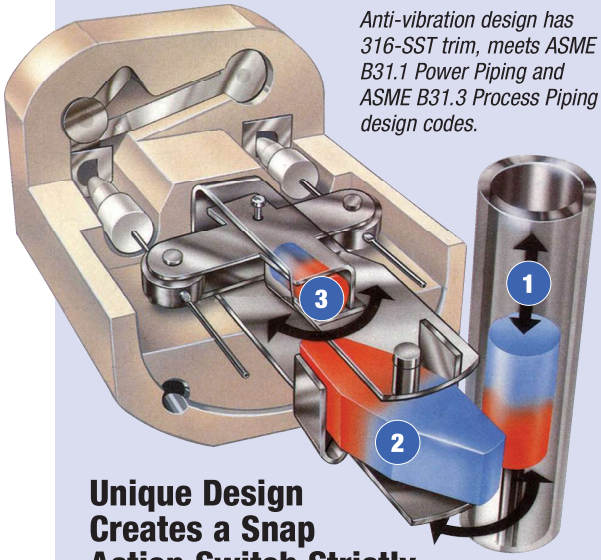
The heart of the Jerguson Level Switch is its unique Tri-Magnet latching design. Not only is it mercury-free, its positive snap action eliminates the tendency of other switches to stick. There are **no springs to fail,** meaning that you'll also save costs by eliminating frequent switch mechanism replacements.



Typical Level Switch Problems

- Sensitive to Vibration
- Exposed Pivot
- Temperature – Sensitive Springs
- Color-Coded "Dots"; Three Choices NOT Interchangeable
- Tend to "Stick"

Reliability is a Snap



Anti-vibration design has 316-SST trim, meets ASME B31.1 Power Piping and ASME B31.3 Process Piping design codes.

Unique Design Creates a Snap Action Switch Strictly Through the Use of Repelling Magnetic Fields

No mercury; no cams or springs; highly vibration-resistant; not temperature sensitive

1. Magnet on float rod inside pressure tube drives secondary magnet.
2. Secondary magnet drives tertiary magnet, which drives the switch contacts.
3. Each magnet repels the other, creating a positive snap action interlocking switch.

It's Time to Cut Your Costs!

With no springs to wear out, once you've upgraded to a Tri-Magnet...you're done. No more yearly switch replacements on extreme environment switches, no more rapping on switches to get them to un-stick.

new Jerguson Tri-Magnet Level Switch and Float Chamber are in place. Even extreme misalignment will not stop the Tri-Magnet: its broad installation tolerances compensate for misalignment.

Tri-Magnet level switch and float chamber

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