

Stop Venting Your Profits Away: Eliminate Methane Emissions Using Exlar

For Oil & Gas production companies, methane emissions via pneumatic venting has become a major cost issue from lost gas revenue, potential fines, EPA reporting requirements and strict area classifications. Remote sites often use natural gas powered pneumatic controllers for process control. The controllers are designed to continuously bleed natural gas resulting in significant methane emissions to the atmosphere. New studies are showing emissions from these low bleed pneumatic actuators are higher than original EPA national emission projections, which could impact the original regulations.

A solution to these venting problems is the use of an electric actuator in place of pneumatics, completely eliminating the venting of methane. This regains the lost vented gas revenue, reduces the need for emission monitoring and improves the control of the process.

SOLUTION

Exlar TDM75 Tritex electric actuators have proven to be a unique solution for separators, artificial lift, injection pumps and other production applications allowing for an environmentally friendly solution, eliminating venting of natural gas to the atmosphere.

Exlar's unique approach using servo motor technology integrated with a roller screw provides extreme life, accuracy and efficiency unheard of with tradition electric technologies. Installation at temperatures of -40 C to 65 C makes it perfect for all locations.



KEY BENEFITS

- **Low Power Consumption:** A majority of existing well pads and new installations alike continue to be located in remote areas without power from the grid. The Exlar solution draws roughly 300mA continuous while modulating and roughly 275mA RMS during a 1 time per minute dump valve cycle making it suitable for solar power driven applications. AC voltage is also available
- **Adaptability to Old Valves or New Valves:** Exlar's simple mounting solution allows for easy adaptability to existing rising stem valves or rotary ball valves. Mounts available for Kimray, Norriseal, Fisher, Flowserve and many others.
- **Fieldbus Connectivity:** All actuators include Modbus RTU protocol for connection to PLC's or SCADA systems
- **Modulate or Open/Close:** The same Exlar unit can be programmed to modulate a control valve or simply open/close a basic dump valve. Settings for operating speed, valve seating, open distance, and failure modes are all field adjustable.
- **Failure Modes:** Voltage monitoring circuit allows for configurable operation of the actuator at user selected low voltage trip points in addition to moving the actuator with loss of signal.
- **Class I Division 2 certification**

