


VALVTECHNOLOGIES

PulseJet EcoPack™ Fugitive Emissions Packing Solution

Introducing the EcoPack™ solution for the reduction of fugitive emissions.

Reducing fugitive emissions is a leading concern in the fight against climate change. The EPA estimates that the production segment of the oil and natural gas industry is responsible for 45% of total methane emissions. In 2015, the first-ever plan to regulate emissions from this industry was launched: because valve leakage is responsible for more than 50% of total fugitive emissions, valves have been a considerable focus in the effort to reduce fugitive emissions.

ValvTechnologies' is leading the charge in the reduction of fugitive emissions with the development of the EcoPack™: a superior stem packing solution for high-cycle, fast acting valves that meets stringent fugitive emissions requirements.

ValvTechnologies NexTech® pulsejet valve with EcoPack™ was recently tested by an independent agency that verified the solution not only met but exceeded endurance testing standard performed 500,000 cycles while retaining a maximum leakage rate equivalent to ISO 15848-1 2006 Class BH for the entirety of the test.

Typical stem sealing technology requires packing adjustment. With high-cycle valves, these adjustments would have to occur very often, causing disruptions in plant operation, safety concerns and non-compliance with tightening emissions regulations. With the EcoPack™ solution, lab tested results show the seal is capable of 500,000+ cycles with the stem packing requiring zero maintenance or adjustment. This solution is perfect for customers requiring a quickly-rotating valve that completes many cycles annually (i.e. 250,000 per year or more) and must also meet fugitive emissions requirements.

Features

- Packing requires zero adjustment or maintenance
- Capable of 500,000+ cycles
- Durable packing solution for extremely fast cycle speeds of less than 0.5 seconds

Benefits

- Longer intervals of plant operation between maintenance schedules
- Safer plant operation due to less exposure of plant personnel to valves requiring packing adjustment
- Longer valve seal life
- Reduced emissions to comply with EPA fugitive emissions requirements

EcoPack™ solution for high-cycle stem packing, durable for 250,000 cycles without adjustment, exceeds temperature requirements.

For more information, visit www.valv.com