

## Low-E Packing Series Reducing Emissions

Baker Hughes has committed to reduce CO<sub>2</sub> equivalent emissions 50% by 2030 and achieve net zero carbon emissions by 2050. **Masoneilan™** has further committed support to this initiative through continuous investments in low-emissions packing to help our customers exceed industry requirements.

### THE CHALLENGE

Throttling valves are commonly identified as a **leading source of carbon emissions** within gas fields, pipelines, and facilities. Continuous **cycling and friction of older valves can lead to wear and excessive stem leakage** through the packing over time.

As of September 2019, the **Environmental Protection Agency (EPA) has reached 39 consent decree settlements with petroleum refineries that cover 115 sites across America**. They have focused on four of the more challenging Clean Air Act policies; one being Leak Detection and Repair (LDAR). Today, valves remain a leading contributor to LDAR identified emissions cases within plants and pipelines.

[valves.bakerhughes.com](http://valves.bakerhughes.com)

### THE SOLUTION

Masoneilan's '**Low-E Series of low emission packing** has been independently **tested and proven "Certified Low Leaking Technology" (CLLT) exceeding ISO-15848 Class A & B requirements and EPA standards of <100 ppm** by more than 50x the allowable limits. It includes the industry leading **Camflex™** eccentric plug rotary control valve that has been tested and verified as low as 1 ppm.

Product	EPQ Req.	Act. Test <sup>(1)</sup>
Camflex	<100 ppmv	1 ppmv
<b>LincolnLog™</b>	<100 ppmv	6.2 ppmv
Globe	<100 ppmv	7.5 ppmv

1. Results based on methane testing, 3rd party independently verified test results.

Masoneilan 'Low-E' Series valves and packing retrofit kits are available for field upgrade and replacement. Upgrade your site with the **best available technology to meet EPA consent decree** and eliminate sources of high emissions!

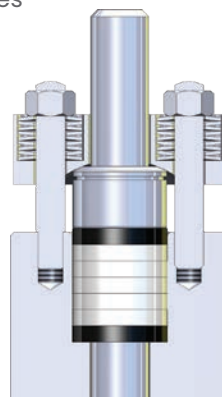
Take control by updating your installed base with '**Low-E' Packing Series!**

### Testing Summary

- ISO-15848 Compliance
- Certified Low Leaking Technology (CLLT)
- Up to 100,000 cycles using Methane and Helium
- Independent 3rd party verification

### Benefits

- Minimizes the frequency of monitoring
- Reduces CO<sub>2</sub> and other harmful gases emissions
- Improves plant efficiency



Contact your local Masoneilan representative to learn more about the full story of benefits of "Low-E" Packing Series.