



CARTRIDGE LIVE LOADING ASSEMBLY (CLL)

ENGINEERED VALVE SEALING SOLUTION FOR IMPROVED RELIABILITY
AND EASE OF MAINTENANCE

Enhance Your Control Valve Reliability

Chesterton® live loading technology compensates for a variety of system conditions and optimizes reliable valve sealing by maintaining a consistent load on the packing gland. This technology can help minimize valve-induced process fluctuations and reduce associated leakage due to system disturbances, while improving equipment uptime.



Chesterton Valve Cartridge Live Loading:

- Maintains packing gland load for improved reliability
- Controls hysteresis fluctuations and can reduce deadband
- Reduces maintenance costs for critical valves
- Compensates for thermal expansion and contraction
- Dampens effects of pressure surges and cavitation, preventing packing blowout
- Absorbs equipment and plant systems vibration



Minimize Maintenance and Optimize Operability

- Simplifies installations and maintenance
- Reapplies proper packing load without the need for a torque wrench
- Helps prevent maintenance errors from misapplied torque
- Eliminate the need for a calibrated torque wrench or referencing historical data values
- Proven reliable technology

Retorqued valve still leaking?

Many times, reapplying original valve packing torque to control leakage does not always correct the leakage. Nut friction can significantly increase from the original installation values. Temperature and time cause anti-seize lubricants to lose their effectiveness in reducing or controlling the friction. Thread damage, corrosion and burrs can significantly increase the friction, requiring more torque to return the proper gland load. Improperly trained mechanics and the use of uncalibrated torque wrenches add to potential installation concerns. Using a torque wrench under these conditions can lead to erroneous torque application and improper bolt tensioning, resulting in ineffective valve sealing and controllability.



- No torque wrench required for accurate maintenance
- Allows for simple, reliable retorques
- Helps prevent leakage before it occurs
- Reduces worker exposure in safety-related areas
- Improves equipment uptime

Available as standard with sets with some of Chesterton's OEM Control Valve Kits

Chesterton 6800, 5800T and 1724E Control Valve Kits are specially designed to be used on pneumatically actuated control valves for a broad range of chemicals such as light and heavy hydrocarbons applications with various temperature ranges.

- Improve valve sealing reliability
- Exceeds EPA VOC emissions requirements (≤ 100 ppm as measured per EPA Method 21)
- Simple installation, no need to remove actuator
- Available for most popular control valves in today's industries



Chesterton ISO certificates available on chesterton.com/corporate/iso

Distributed by:

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only. A.W. Chesterton Company disclaims all warranties express, or implied, including warranties of merchantability and fitness for a particular purpose. Liability, if any, is limited to product replacement only. Any images contained herein are for general illustrative or aesthetic purposes only and are not intended to convey any instructional, safety, handling or usage information or advice respecting any product or equipment. Please refer to relevant Safety Data Sheets, Product Data Sheets, and/or Product Labels for safe use, storage, handling, and disposal of products, or consult with your local Chesterton sales representative.

© 2025 A.W. Chesterton Company.

® Registered trademark owned and licensed by A.W. Chesterton Company in USA and other countries, unless otherwise noted.