

VALVE CARTRIDGE LIVE LOADING

MAXIMIZE CONTROL VALVE PERFORMANCE IN NUCLEAR
AND FOSSIL POWER, REFINING, PETROCHEMICAL AND OTHER INDUSTRIES



Minimize Maintenance and Optimize Operability

- Simplifies installations and maintenance
- Reapplies proper packing load without the need for a torque wrench
- Prevents maintenance errors from misapplied torque
- Eliminates the need for calibrated torque wrench adjustments

Maintenance is made easier—reducing the likelihood of over- or under-torquing.

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. You can minimize valve-induced process fluctuations and reduce associated leakage due to system disturbances, improving your 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 vibrational shock

Chesterton Valve Cartridge Live Loading is the way to easily enhance reliability on your existing and new valves. Don't leave your critical valves to chance!

VALVE CARTRIDGE LIVE LOADING

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. 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.
- Prevent leakage before it occurs
- Reduces worker exposure in safety-related areas
- Improves equipment uptime



Available as standard with some of Chesterton Control Valve Kits



Chesterton 5800E, 5800T and 1724E Control Valve Kits are specially designed to be used on pneumatically actuated control valves for a broad range of chemical and light and heavy hydrocarbon applications with temperatures to 1050°F (565°C).

- Improve valve sealing reliability
- Exceeds EPA VOC emissions requirements (<500 ppm as measured per EPA Method 21)
- Simple installation, no need to remove actuator
- Available for most popular control valves in industry today.

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

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only.

A.W. CHESTERTON COMPANY DISCLAIMS ALL WARRANTIES EXPRESSED, OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR USE. 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 MATERIAL 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.



860 Salem Street
Groveland, MA 01834 USA
Telephone: 781-438-7000
Fax: 978-469-6528
www.chesterton.com

© A.W. Chesterton Company, 2010. All rights reserved.
® Registered trademark owned and licensed by
A.W. Chesterton Company in USA and other countries.

DISTRIBUTED BY:

FORM NO. EN22448

PRINTED IN USA 5/10