

MANWAY SEALING SOLUTION

ADVANCED SEALING TECHNOLOGY
FOR MANWAY DOORS



Advanced sealing technology to prevent leaks on steam drum manway doors

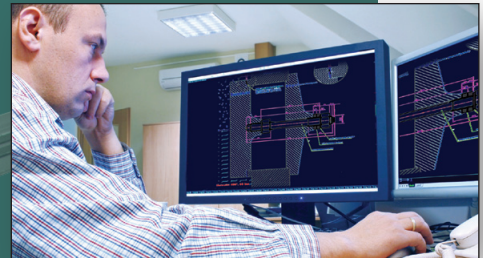
Chesterton® Manway Sealing System for Safety and Reliability

The design and function of steam drum manway doors present a difficult sealing application for plant personnel.

Chesterton addresses these challenges with an engineered manway sealing system to reliably and safely seal steam drum doors through the plant's thermal cycles.

Our engineered sealing solution focuses on:

- Selecting and optimizing the proper gasket
- Improving and maintaining gasket sealing stress

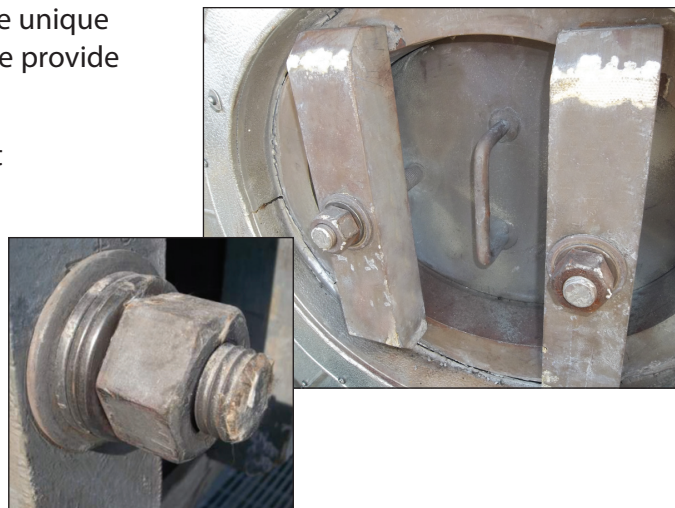


CHESTERTON MANWAY SEALING

SOLUTION

Our sealing specialists work with customers to analyze the unique operating parameters of each steam drum application. We provide an engineered sealing system that will:

- Improve plant safety by reducing the need for hot retorquing requirements
- Increase plant reliability by reducing or eliminating unscheduled downtime on production-critical steam drums
- Simplify maintenance requirements with a standardized program



Chesterton's live loading technology includes an in-plant survey of steam drums and a complete engineering review of application parameters to select the proper gasket and improve gasket sealing stress through temperature and pressure cycling.

Live Loading

Proper bolt load is critical to gasket performance. Insufficient or excessive bolt load on a gasket will result in leakage. Chesterton's Live Loading System utilizes discs that will maintain bolt loads and gasket seating stress above the minimum required to maintain a seal. Live Loading is ideally suited for applications that are subject to vibration, pressure surges, and thermal cycling.

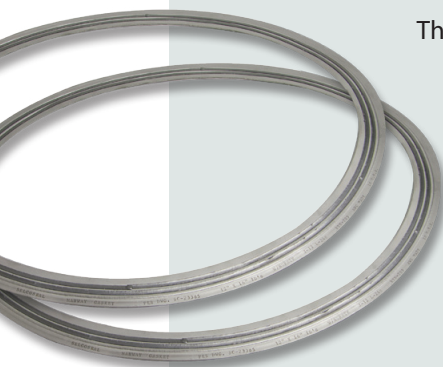


SteelTrap™ Manway Gaskets

The SteelTrap gasket technology is designed to encapsulate the graphite sealing elements within the stainless steel metal carrier, resulting in enhanced reliability. It is applicable for use in steam to (650°C) 1200°F and pressures to 415 bar g/6000 psig.

459 Graphite Manway Gasket

459 is a graphite sheet with nickel foil reinforcement designed for use in high-pressure, high-temperature applications. It has excellent chemical resistance and can be used to 450°C (850°F) in an oxidizing service and to (870°C) 1600°F in a non-oxidizing service.



CHESTERTON

Flange Sealing Solutions

Our sealing specialists work with customers around the world, across a broad range of applications, and in all industries to implement engineered flange sealing solutions. Our Flange Live Loading sealing technologies and programs will help you achieve your plant's goals to improve reliability, meet emissions regulations, and improve plant efficiencies while reducing overall costs.



Chesterton offers innovative flange sealing solutions for high-pressure, high-temperature applications, as well as a full line of general service gaskets that provide optimized performance while promoting plant standardization.

- Heat exchangers
- ANSI/DIN/JIS pipe flanges
- Evaporators/condensers
- Chillers
- Crystallizers
- Valve bonnets
- Manholes
- Handholes
- Gage glass

GLOBAL SOLUTIONS, LOCAL SERVICE

Since its founding in 1884, the A.W. Chesterton Company has successfully met the critical needs of its diverse customer base. Today, as always, customers count on Chesterton solutions to increase equipment reliability, optimize energy consumption, and provide local technical support and service wherever they are in the world.

Chesterton's global capabilities include:

- Servicing plants in over 100 countries
- Global manufacturing operations
- More than 500 Service Centers and Sales Offices worldwide
- Over 1200 trained local Service Specialists and Technicians

Visit our website at
www.chesterton.com



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

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

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