

1622 LOW E VALVE PACKING

IDEAL FOR EMISSIONS CONTROL



Award Winning Low E



Packing for exceptional emissions control

Cut your carbon footprint by reducing VOC and VHAP fugitive emissions

Chesterton® 1622 Low E Packing is designed to minimize valve emissions and exceeds current emissions requirements for the refinery, petrochemical, and chemical industries. 1622 packing has received both the 2010 National Pollution Prevention Roundtable MVP² and the 2011 Vaaler Award for emissions and pollution reduction technology.



Positive sealing from a single spool

The advanced construction of Chesterton 1622 Packing provides superior emissions and leakage control under harsh process conditions. This construction results in a non-hardening, flexible packing that will not shrink or absorb moisture. The strands that make up the packing slide easily over one another in response to gland pressure, creating a secure and reliable seal.

The advantages of upgrading to 1622 Low E Packing

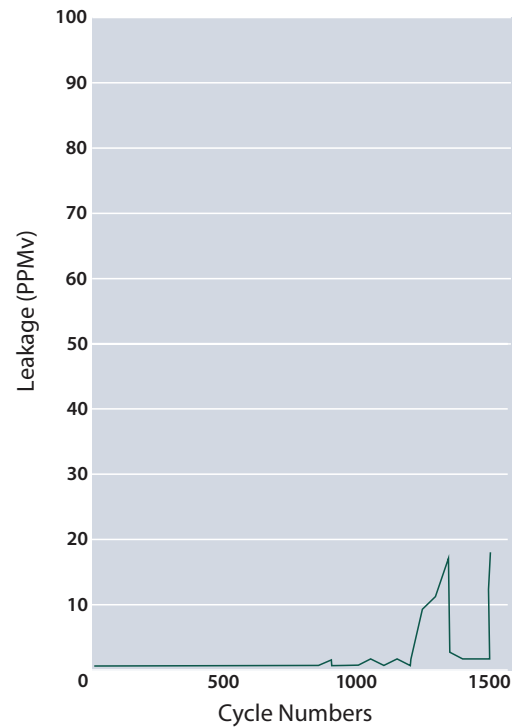
- Extremely low published emissions for any spool packing per API 622
 - Currently meets and exceeds requirements for fugitive emissions compliance
- Engineered packing set emissions capability from a single spool of packing
 - Fits a wide range of block valves, thus minimizing inventory
 - Minimizes installation errors compared to two or multi-spool packing designs
 - Simplifies field installation versus multi-spool products
- Meets Consent Decree requirements
 - Low E Valve Packing Technology
 - Reduce LDAR monitoring costs

Packing for Block Valves

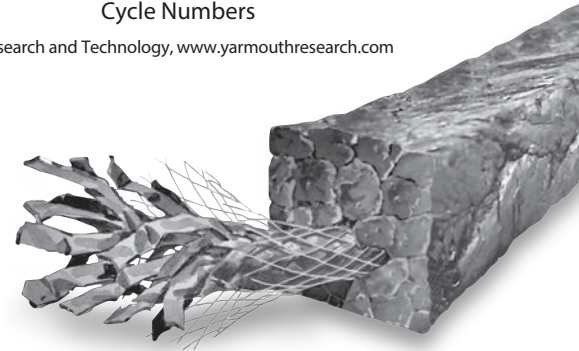
Independently tested and proven to provide an average <2 ppm

In API 622 testing 1622 packing had an average emissions rate of <2 ppm and a one time maximum of 18 ppm. These extremely low rates were achieved without gland adjustments for 1510 strokes and five temperature cycles. Now you can easily meet emissions compliance for block valves utilizing Chesterton 1622 Emissions Packing.

- API 622 3rd edition tested and qualified
- API 624 tested and qualified for numerous valve OEMs
- Fire safe to API 607
- ChevronTexaco Standard tested and passed
- Valve Packing Emission Warranty
- ISO 15848-1 passed CO₂ at 200°C to tightness class BH
- ISO 15848-1 passed CO₂ at 400°C to tightness class BH



Yarmouth Research and Technology, www.yarmouthresearch.com



Product Specifications

Cross Section Size		Average Stem Diameter		Average No. of Valves (per box)	Item Number
mm	inches	mm	inches		
3.2	1/8		0.500	83	054700
4.7	3/16		0.625	59	054701
6.0		25		31	054702
6.4	1/4		0.875	73	054703
8.0	5/16		1.250	39	054705
9.5	3/8		1.625	22	054707
10.0		40		24	054711
11.0	7/16		2.000	14	054713
12.0		70		9	054715
12.7	1/2		2.750	8	054716
14.0	9/16		3.250	6	054719
16.0	5/8		4.000	4	054721
17.5	11/16		5.000	3	054722
19.0	3/4	These sizes are available on request.			
20.0					
22.0	7/8				
25.4	1				

For more information visit chesterton.com/1622

Technical Parameters

Pressure Limit	345 bar g (5000 psig)
Process Temperature	Max 650°C (1200°F) steam; 450°C (850°F) oxidizing atmosphere)
Chemical Resistance	pH 0 – 14 (except in strong oxidizers)

Applications

Light and heavy hydrocarbons, VOCs, VHAPs, steam, and most non-oxidizing chemicals.

Low E Valve Packing Emission Warranty

Chesterton 1622 packing will not leak in excess of 100 ppm for a period of 5 years. See your Chesterton representative for conditions and details of warranty.

Test data available on request.

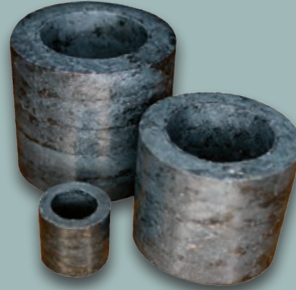
Available for Valve Manufacturers

Chesterton's 1622 is available as a die formed cartridge to improve quality assurance and ease-of-packing installation for valve manufacturers.

Chesterton works diligently with our engineering and testing facilities, along with the valve manufacturers, to ensure emissions compliance and performance. When combined with Chesterton's 1622, equipment analysis, emissions protocols, and in-house testing abilities, this will pre-qualify the valve to API 624 standards for Low E performance and warranty.

Our solutions combine equipment/application expertise and best available technology with best-in-class in-house testing and expert technical resources to drive a competitive advantage for our clients through increased equipment reliability and compliance.

- Regulatory knowledge and compliance expertise
- Equipment and application knowledge
- Best in class in-house testing and technical resources
- Design and engineering – tailored solutions for demanding applications and critical equipment

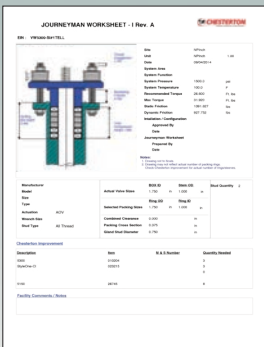


EMISSIONS TEST LABORATORY

Chesterton's Emissions Testing Facilities employs state-of-the-art technology to pre-qualify valve manufacturers equipment for API 641 compliance. Our test capabilities include:

- API 622
- API 624
- TA-Luft
- ChevronTexaco Test Protocol
- ISO 15848

Test medias include methane, helium, water and steam with pressures up to 10,000 psig.



VALVE MANAGEMENT SOFTWARE

Chesterton's proprietary valve management software provides users to track valve recommendations and warranty requirements.

This software allows the user to acquire engineered recommendations, torque values, item numbers and storage of the valve information for reference and tracking. Included is the ability to generate, print and save a Journeyman Worksheet for proper installation and records documentation for each valve.

Please contact your Chesterton representative for more information on this tool.

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 113 countries
- Global manufacturing operations
- More than 500 Service Centers and Sales Offices worldwide
- Over 1200 trained local Service Specialists and Technicians

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