

# 1622

## Low E Valve Packing

### *Ideal for Emission Control*

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 constructed from an Inconel-reinforced mesh with internal exfoliated graphite that will not shrink or absorb moisture. The strands that make up the packing slide easily over one another in response to gland pressure. Surface lubricants and graphite platelets create a secure and reliable seal and reduces friction. 1622 is impregnated with high temperature blocking agents, lubricants and a passive corrosion-inhibitor to prevent galvanic corrosion of valve parts in contact with the packing and prevents stem & stuffing box pitting. Unlike active inhibitors such as zinc, passive inhibitors are not consumed.

### Technical Data

Pressure Limit	5000 psig (345 bar g)
Shaft Speed	10 m/s (2000 fpm)
Temperature Limit	Non-oxidizing atmosphere: -400°F – 1200°F (-240°C – 650°C) Oxidizing atmosphere: -400°F – 850°F (-240°C – 454°C)
Chemical Resistance	pH 0 to 14 (except in strong oxidizers)

### Applications

Light and heavy hydrocarbons, VOCs, VHAPs, steam, and most non-oxidizing chemicals. Applicable for gate, globe, ball, butterfly, and plug valves, etc.

### Low E Valve Packing Emission Warranty

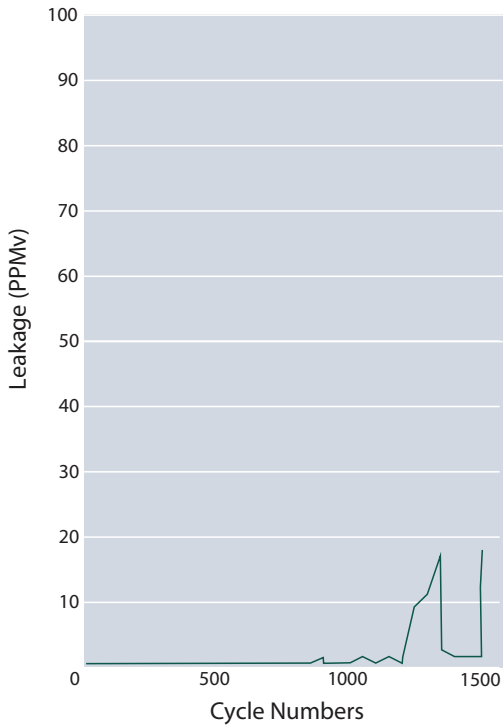
Chesterton 1622 packing will not leak in excess of 100 ppm for a period of 5 years. See your Chesterton representative for conditions and details of warranty.

Test data available on request.



### 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

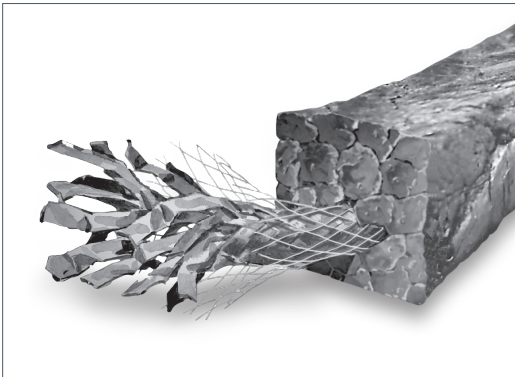


Yarmouth Research and Technology, [www.yarmouthresearch.com](http://www.yarmouthresearch.com)

## 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 - 5 years
- ISO 15848-1 passed CO2 at 200°C to tightness class BH
- ISO 15848-1 passed CO2 at 400°C to tightness class BH
- VDI 2440 (TA-Luft) approved



Cross Section Size		Average Stem Diameter		Average No. of Valves (per box)	Item Number
mm	Inch	mm	Inch		
-	1/8	-	0.500	83	054700
-	3/16	-	0.625	59	054701
6,0	-	25	-	31	054702
6,5	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
12,5	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 upon request.			
20,0	-				
22,0	7/8				
25,4	1				



Chesterton's 1622 is available also in a die formed shape for valve manufacturers installed packing to help them comply with API 624 standards for Low E performance and warranty.

[www.globalsupplyline.com.au](http://www.globalsupplyline.com.au)  
Global Supply Line stocks a full range of valves packed with Chesterton 1622 fugitive emission packing..