

2010
National Pollution
Prevention
Roundtable MVP²
Award Winner

1622

LOW EMISSIONS VALVE PACKING
IDEAL FOR STANDARDIZATION OF BLOCK VALVES



EMISSIONS CONTROL PACKING FOR BLO

1622

PACKING FOR EXCEPTIONAL EMISSIONS CONTROL

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Cut your carbon footprint by reducing VOC and VHAP fugitive emissions

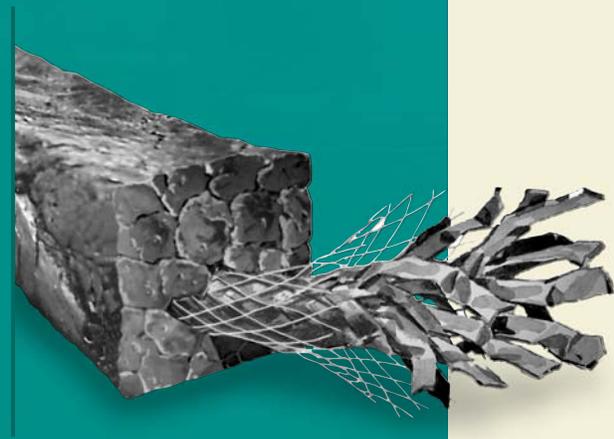
Chesterton® 1622 Emissions Packing is designed to minimize valve emissions and exceeds current emissions requirements for the refinery, petrochemical, and chemical industries.

Positive sealing from a single spool

The advanced construction of Chesterton 1622 Packing provides for 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 Emissions Packing

- Extremely low published emissions for any spool packing per API 622
 - Currently exceeds most emission requirements
- Engineered packing set emissions capability from a single spool of packing
 - Fits a wide range of block valves, thus minimizing inventory
 - Reduces the chance of errors in packing selection
 - Simplifies installation
- Meets Consent Decree requirements
 - Low-Leaking Valve Packing Technology
 - Reduce LDAR monitoring costs

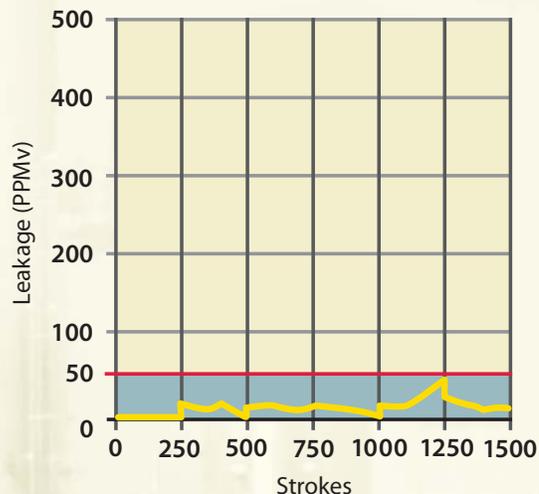


For more information about Chesterton's MVP² Award visit
www.p2.org/wp-content/uploads/2010-mvp2-award-recipients.pdf

Independently tested and proven to provide an average 12 ppm

In API 622 testing 1622 packing had an average emissions rate of 12 ppm and a one time maximum of 45 ppm. These extremely low rates were achieved without gland adjustments for 1500 strokes and three temperature cycles. Now you can easily meet emissions compliance for block valves utilizing Chesterton 1622 Emissions Packing.

- API 622 tested and qualified
- Fire safe to API 607
- ChevronTexaco Standard tested and passed
- Valve Packing Emission Warranty



Yarmouth Research and Technology, www.yarmouthresearch.com

Product Specifications

CROSS SECTION SIZE		Average Stem Diameter		Average No. of Valves (per box)	REORDER NUMBER
inches	mm	inches	mm		
1/8		0.500		83	054700
3/16		0.625		59	054701
	6,0		25	31	054702
1/4	6,5	0.875		73	054703
5/16	8,0	1.250		39	054705
3/8	9,5	1.625		22	054707
	10,0		40	24	054711
7/16	11,0	2.000		14	054713
	12,0		70	9	054715
1/2	12,5	2.750		8	054716
9/16	14,0	3.250		6	054719
5/8	16,0	4.000		4	054721
11/16	17,5	5.000		3	054722
3/4	19,0	These sizes are available on request.			
	20,0				
7/8	22,0				
1	24,5				

Technical Parameters

Pressure	3800 Psig (260 bar g)
Temperature	to 1200°F (650°C) in steam to 850°F (450°C) in oxidizing atmosphere
pH	0 to 14 (except in strong oxidizers)

Applications

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

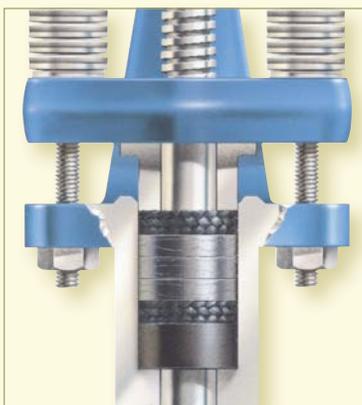
Valve Packing Emission Warranty

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.

CHESTERTON

Ask about our Control Valve Emissions Solutions

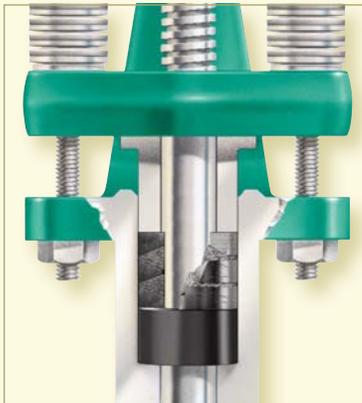
Control valves present different challenges for effective emissions sealing. Chesterton has provided control valve solutions based on valve actuation for decades.



MOTOR OPERATED VALVES

Chesterton 5300 Solutions

The 5300 sealing system meets the sealing requirements of MOVs. These valves are often difficult to seal due to their demanding services and physical size. MOVs are often critical to plant operation and safety and leave no margin for error. Chesterton 5300 is sealing hundreds of thousands of valves across the globe with both leak- and problem-free performance.



AIR OPERATED VALVES

Chesterton 5800 WedgeSeal™ Solutions

The WedgeSeal packing system reduces stem friction and gland loads. The WedgeSeal arrangement transfers gland force with predictable precision. WedgeSeal sealing rings are available in low friction PTFE mesh over graphite construction, or pure graphite. Both meet API 589 Fire Test requirements.

We offer a 5 year warranty for these solutions. See your Chesterton representative for details.

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

WedgeSeal™ is a trademark of A.W. Chesterton Company.

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

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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



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