



1600

Advanced Valve Stem Packing

Ideal for Standardization in Block Valves

Superior emissions control over thousands of cycles

Fire safe: Successfully passed API 589 standards.

Easy installation and extrusion resistance in a single-spool packing

DYNAMIC VOC EMISSION TESTING



■ Low emissions zone below 100 ppm for CHESTERTON 1600

CHESTERTON® 1600



Advanced, fire-safe, valve stem packing for emissions control services

The single-spool solution

CHESTERTON 1600 Valve Packing provides users with a single, high performance packing solution. This exclusive packing is formable, yet tough. Rated in steam service to 8400 psig (580 Bar g); maintains integrity in steam up to 1200°F (650°C), or 850°F (450°C) in an oxidizing environment. 1600 is a cost-effective as well as a confident choice.

Exceptional leakage control

CHESTERTON 1600 features advanced construction for superior leakage control and high integrity.

- 1 Layers of graphite tape are plied into compact strands.
- 2 Each strand is reinforced with an Inconel* wire mesh covering.
- 3 Strands are square plait braided to form a dense but pliable packing, further enhanced with blocking agents.
- 4 The packing exterior is then densely impregnated with lubricating agents to reduce stem friction and a corrosion inhibitor to prevent pitting.

The result is a non-hardening, flexible packing that will not shrink or absorb moisture. The graphite layered tape strands within the braided plaits are able to slide over each other in response to gland pressure. A tight, emissions blocking seal is easily effected.

1600/1601 APPROXIMATE DATA

| A | B | C | D | E | F |
|-------|------|----|-------|--------|--------|
| 1/8 | 3,0 | 2 | 0,908 | 035002 | 034902 |
| - | 4,0 | 2 | 0,908 | 035004 | 034904 |
| 3/16 | 5,0 | 2 | 0,908 | 035006 | 034906 |
| - | 6,0 | 2 | 0,908 | 035008 | 034908 |
| 1/4 | 6,5 | 2 | 0,908 | 035010 | 034910 |
| | | 5 | 2,270 | 035011 | 034911 |
| 5/16 | 8,0 | 2 | 0,908 | 035013 | 034913 |
| | | 5 | 2,270 | 035014 | 034914 |
| 3/8 | 9,5 | 2 | 0,908 | 035016 | 034916 |
| | | 5 | 2,270 | 035017 | 034917 |
| | | 10 | 4,540 | 035018 | 034918 |
| - | 10,0 | 2 | 0,908 | 035020 | 034920 |
| | | 5 | 2,270 | 035021 | 034921 |
| 7/16 | 11,0 | 2 | 0,908 | 035023 | 034923 |
| | | 5 | 2,270 | 035024 | 034924 |
| - | 12,0 | 5 | 2,270 | 035026 | 034926 |
| 1/2 | 12,5 | 2 | 0,908 | 035028 | 034928 |
| | | 5 | 2,270 | 035029 | 034929 |
| | | 10 | 4,540 | 035030 | 034930 |
| 9/16 | 14,0 | 5 | 2,270 | 035032 | 034932 |
| | | 10 | 4,540 | 035033 | 034933 |
| 5/8 | 16,0 | 10 | 4,540 | 035035 | 034935 |
| 11/16 | 17,5 | 10 | 4,540 | 035037 | 034937 |
| 3/4 | 19,0 | 10 | 4,540 | 035039 | 034939 |
| 7/8 | 22,0 | 10 | 4,540 | 035041 | 034941 |
| 1 | 25,5 | 10 | 4,540 | 035043 | 034943 |

KEY:

A– Size/Inches

B– Size/Millimeters

C– Packaged ± 10% Lbs.

D– Packaged ± 10% Kg.

E– 1600 Reorder Product No.

F– 1601 Reorder Product No.

CHESTERTON 1601:

CHESTERTON 1601 has the same advanced construction, offering the same performance in steam services as 1600, but is uniquely formulated to meet the purity requirements of the Nuclear Industry. Certificate of Compliance and Test Analysis available upon request.

*Inconel is a registered trademark of International Nickel Co.

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



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