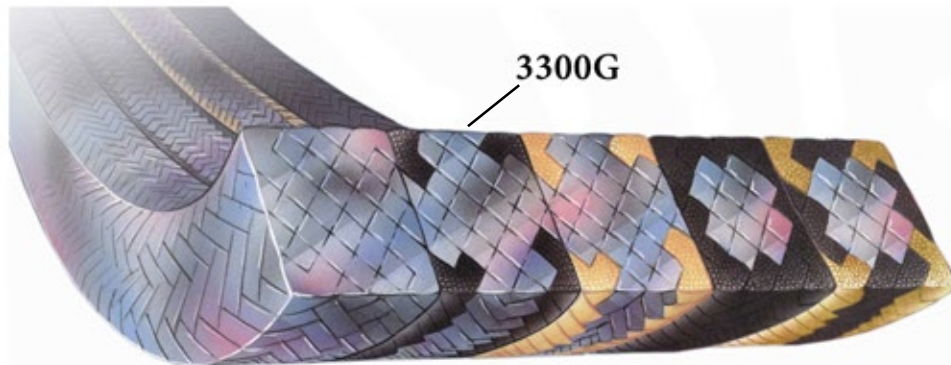


SLADE Valves Packings

SLADE 3300G™ Series

SLADE manufactures its own patented graphite foil yarns to achieve the following standards.

- Two independent tests (PERF Standards) by Major Oil Companies showed emission control 3.9 and 6.4 times better than (1/5 stac) die formed rings of flexible graphite foil. Average emission readings results are less than 50pm for SLADE Packing.
- SLADE 3300G is certified “API 589” and “API 607” (with Exxon sanctions) Fire Safe.
- SLADE 3300G Packings achieve this emission control “off the spool.” In other words, die forming is not required.
- In addition, no special end rings or die-form rings are required, 3300G rings are used throughout the packing stack.



Approvals by major companies for VOC Controls:

- (1) Exxon Specification:** Effective April 1, 2013, Exxon approval “AML Part II, Section 10.1 and Section 10.3.” Product approved SLADE 3300G and 3300W, manufactured in Mooresville, NC. AML Issued by Ray Bojarczuk - EMRE AREO.
- (2) Shell Global Specification Shell SPE 85/200:** “Guidance for Packing Braids and Styles” Product Group Code: 85A.AD: Type 3G; MESC Range: 85.15; (Also known as “SPE 85/200, Group 3G”) (Issued 2/22/01).
- (3) Chevron Specification:** “M-501, Appendix II, paragraph 4.3” issued 3/94. Which reads: “SLADE 3300G Braided Graphite end rings (2) and 3 or 4 *identical* braided graphite centre rings, quantity depends upon depth of packing chamber - all cut to fit. Compression: 25%.”
- (4) Dupont Specification:** DuPont Packing Code: SUic-R39, Table No.: 1. Code R39 calls for “Ultra low emission graphite based braided packing,” Revised March 1996.
- (5) Petroleum Environmental Research Forum (PERF):** In June of 1996, Exxon UA tested Slade 3300 to “PERF” specifications. The methodology of this test is the installation of 5 rings of “spooled” packing (cut, NOT die-formed) into a gate valve, cycling the valve 1,100 cycles, with 5 thermal cycles (to 600°F) and obtaining fugitive emissions reading, using EPA Method 21. It compares spooled packing emissions to die-formed rings of Grafoil, Slade passed with flying colours, with an ending reading of only “15 PPM” whereas die-formed Grafoil had a final reading of 473 PPM.

For containment of Fugitive Emissions, specify SLADE 3300G.



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