



PLANIGRAPH V48ZN OXYGEN BAM

Composition

The Planigraph V48ZN OXYGEN BAM graphite gaskets in rings are composed of pure expanded graphite supported by nickel tape, giving them optimal resistance and extended durability in the corrosive environment of liquid and gaseous oxygen.

Characteristics

These Planigraph V48ZN OXYGEN BAM graphite gaskets in rings, certified according to the BAM standard for use with liquid and gaseous oxygen, stand out for their robustness and reliability. Made from pure expanded graphite supported by nickel tape, they offer exceptional resistance to corrosion and the high temperatures typical of oxygen-rich environments. Their design aims to ensure optimal sealing for stem and ball valve seats, ensuring safe and leak-free operation under critical conditions. Compatible with GR80SGR OXYGEN BAM braided rings and Planigraph V48Z OXYGEN BAM rings, these graphite rings are a reliable choice for industrial applications that require high performance and durability.

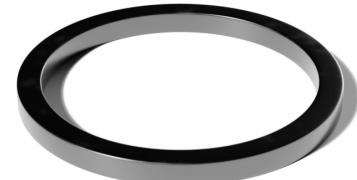
Applications

The Planigraph V48ZN OXYGEN BAM graphite gaskets in rings are primarily used in systems handling liquid and gaseous oxygen, such as industrial valves and related devices, ensuring reliable and long-lasting sealing.

Tech Data

Maximum Temperature C°	Maximum Oxygen Pressure bar
up to 60	430
> 60 to 280	250

- Never use the product at its maximum rated temperature and pressure. Consult the manufacturer for further information.
- The dimensional tolerances of the molded products refer to the Carrara S.p.A. standard, unless otherwise agreed.



Planigraph V48ZN OXYGEN BAM

The Planigraph V48ZN OXYGEN BAM graphite gaskets in rings are BAM-certified for use with both liquid and gaseous oxygen, providing a robust seal for stem and ball valve seats. Crafted from pure expanded graphite supported by nickel tape, they ensure reliability and safety in high-pressure and high-temperature systems.

TEST REPORT

Report
on Testing a Nonmetallic Material for Reactivity with Oxygen

Reference Number 2-1948/2014 E

Copy 1. Copy of 2 Copies

Customer CARRARA S.p.A.
Via Provinciale 1/E
25030 Adro (BS)
Italian

Order Date August 1, 2014

Reference Order No.: 1411296

Receipt of Order August 11, 2014

Test Samples Die-formed flexible graphite ring Planigraph V48ZN OXY, undisclosed batch, for use as a sealing material in oxygen service settings or other components for gaseous oxygen service at temperatures up to 280 °C and for liquid oxygen service. BAM-Order No.: 2.1952.219

Receipt of Samples August 7, 2014

Test Date August 22, 2014 to January 30, 2015

Test Location BAM, Working Group "Safe Handling of Oxygen"; building no. 41, room no. 073 and no. 129

Test Procedure or Requirements DIN EN 1787-2002-01 "Gas-Material Compatibility"
ISO 21010:2004-07 "Gas-Material Compatibility"
Annex of pamphlet M03-04-1 (BG 617-1)
"List of materials compatible with oxygen by BAM Federal Institute for Materials Research and Testing", by
Bundesanstalt für Materialforschung und -prüfung, Edition 2013

Test Results TRGS 407 Technical Rules for Hazardous Substances
"Stoffe mit Gasen - Gefahrenabschätzung"
chapter 3 "Gefahrenabschätzung und
Gefahrenbekämpfung" and
chapter 4 "Gefahrenbekämpfung bei Tätigkeiten mit Gasen"
Edition: June 2013

Notes
All pressures of this report are excess pressures.
This test report consists of page 1 to 5 and annex 1 to 4.
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Information
Safety in technology and chemistry



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GLOBAL SEALING SOLUTIONS

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