



CONTROLLER 3 EVO OXYGEN BAM

Composition

The **CONTROLLER 3 EVO OXYGEN BAM** is comprised of **GR80SGR OXY** braided rings, consisting of expanded graphite wires with a dedicated metal reinforcement. This material ensures minimal weight loss even in the most extreme conditions, meeting the stringent requirements of **EN14772** - section 6.7. BAM approved No. 2-28/2015 E for use with both liquid and gaseous oxygen.



Characteristics

The **CONTROLLER 3 EVO OXYGEN BAM** offers a unique combination of strength and durability, with a low friction coefficient ensuring smooth and reliable operation. Its reinforced structure and the quality of the graphite used make it ideal for high-temperature and pressure applications.

Applications

Specifically designed for industrial valves in oxygen service, the **CONTROLLER 3 EVO OXYGEN BAM** is the ideal choice to ensure effective stem sealing in critical environments. It provides superior performance and exceptional durability, making it essential for oxygen-sensitive industrial applications.

Tech Data

Maximum Temperature °C	Maximum Oxygen Pressure bar
up to 60	350
>60 up to 300	220

- Never use the product at its maximum rated temperature and pressure. Consult the manufacturer for further information.

CONTROLLER 3 EVO OXYGEN BAM

The **CONTROLLER 3 EVO OXYGEN BAM** is an innovative gland packing designed specifically for industrial valves in oxygen service. Made from high-quality expanded mineral graphite and reinforced with special metal, this product offers reliable and safe performance in oxygen environments.

Report
on Testing a Nonmetallic Material
for Reactivity with Gaseous Oxygen and with Liquid Oxygen

Reference Number 2-28/2015 E

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

Order Date December 17, 2014

Reference Order No.: 1411897

Receipt of Order January 5, 2015

Test Samples Sealing material die-formed braided flexible graphite packing Z080SGR OXY batch 1422509, BAM-Order-No.: 2-1152 462

Receipt of Samples January 5, 2015

Test Date February 12 to May 29, 2015

Test Location BAM - Working Group "Safe Handling of Oxygen", building no. 41, room no. 073 and no. 120

Test Procedure or Requirement According to DIN EN 1797-2002-02
„Oxygenic Vessels - Gas/Material Compatibility“
ISO 21010-2014
„Oxygenic Vessels - Gas/Material Compatibility“
Annex of pamphlet M 034-1 (BG 617-1)
„Liefer- und Montagebedingungen für Komponenten mit Sauerstoff“
by BAM Federal Institute for Material Research and Testing,
by Berufsgenossenschaft Rüststoffe und chemische Industrie,
Edition: June 2013
TRGS 407 Technical Rules for Hazardous Substances
„Handhabung von Gasen - Gefahrenbeurteilung“
chapter 3 "Informations- und Gefährdungsbeurteilung“ and
chapter 4 "Handhabung und Maßnahmen bei Tätigkeiten mit Gasen“
Edition: June 2013

Safety Related Operating Conditions See chapter 4 "Summary and Evaluation"

All pressures of this report are excess pressures.

This test report consists of page 1 to 6 and annex 1 to 4.

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In case a German version of the test report is available, exclusively the German version is binding.

H. Safety in technology and chemistry

TEST REPORT

CARRARA
GLOBAL SEALING SOLUTIONS

Carrara S.p.A.,
Via Provinciale 1/E - 25030 Adro - BS - Italia
tel. +39 030 7451121 www.carrara.it info@carrara.it



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