



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.



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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 Normative Material for Reactivity with Gaseous Oxygen and with Liquid Oxygen	
Reference Number	2-28/2015 E
Copy	1st Copy of 2 Copies
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 ZOR80SGR OXY, batch 1422509, BAM Order No. 2.152.402
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 "Cryogenic Vessels - Gas/Material Compatibility" ISO 21010:2014 "Cryogenic Vessels - Gas/Material Compatibility" Annex of pamphlet M 034-1 (BGI 617-1) List of normative materials compatible with oxygen by BAM Federal Institute for Material Research and Testing, by Bundesgesellschaft für Reaktorsicherheit und chemische Industrie, Edition: March 2014. TRGS 407: Technical Rules for Hazardous Substances "Transportieren mit Gasen - Gefährdungsbeurteilung" chapter 3 "Informationsmittlung und Gefährdungsbeurteilung" and chapter 4 "Sicherheitsmaßnahmen bei Tätigkeiten mit Gasen" Edition: June 2013
Safety Related Maximum Operating Conditions	See chapter 4 "Summary and Evaluation"
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TEST REPORT



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