



VALVE PACKING CONTROLLER-ONE EVO Z

Composition

- **Rings:** 99.85% Pure graphite with differentiated density.
- **Wiper Rings:** Baderna GR80SGR in expanded graphite 99.85% with special metal reinforcement and impregnation with pure graphite and inorganic corrosion inhibitor.

Characteristics

The Controller One Evolution Z stem seal set is designed and manufactured to meet the growing demand for reliable products compliant with low emission requirements. The graphite rings are stamped in the characteristic Cup & Cone section, which, when a compressive force is applied, generates a thrust towards the stem and chamber, increasing the sealing level and meeting low emission requirements. Made of purest graphite, Controller One Evolution Z ensures reduced weight loss at high temperatures in accordance with EN14772 - Section 6.7 requirements.

Applications

Controller One Evolution Z is ideal as a stem seal set for industrial valves in low emission applications. Thanks to its ability to maintain reliable sealing even in severe operating conditions and its chemical and thermal resistance properties, it is suitable for a wide range of industrial services, ensuring reliable performance and compliance with the highest safety and regulatory standards.

Tech Data

P bar	lbf/in2	Vm/S	f/pm	pH	T °C	°F
300	4500	1	200	0÷14	-100 ÷ 450 / 650	-150 ÷ 840 / 1200

- Never use the product to the maximum temperature and pressure associated. Consult the manufacturer for further information
- The peak temperature can be sustained for short exposures
- With weakly oxidizing agents and hot air the temperature must be limited to 450 ° C
- With steam and non-oxidizing fluids the temperature must be limited to 650 ° C
- Graphite and carbon cannot be used with oxidizing fluids



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The range of graphite products for industrial valve stems offers a wide selection of models to ensure the optimal choice in every situation. Manufactured with materials meeting rigorous industry standards such as ASTM F2168 and ASTM F2191, these gaskets take into account the major deviations specified by IOGP standards and leading oil and gas producers. The Carrara range ensures a level of certification suitable for every technical specification and sustainable application of graphite products.



The information in this publication, as well as any additional information provided to users, is based on experience and is shared to the best of our current knowledge. However, due to numerous factors beyond our knowledge and control that may affect the use of these products, no warranties are provided or implied regarding this information. The operating limits presented in this publication do not imply that these values can be applied simultaneously. Do not use the product at the maximum temperature and pressure values simultaneously. The maximum temperature is suitable only for short-term exposure under specific conditions. Specifications are subject to change without prior notice. The picture in the DS may not accurately depict the exact color and/or markings of the product.



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