



CONTROLLER ONE Z

Composition

- **Graphite Rings V48Z:** Pure nuclear-grade graphite PLANIGRAPH
- **Top & Bottom Rings GR 8807 INCOBRAID®:** Graphite P.A.N. reinforced with discontinuous NiCr microfilament, impregnated with pure graphite, inorganic corrosion inhibitor, and zinc


Characteristics

CONTROLLER ONE Z is entirely made of graphite, ensuring excellent chemical and thermal resistance. The special structure, with the presence of Incobraid® GR8807 as Top and Bottom, offers exceptional extrusion resistance, allowing for greater sealing with a lower clamping load. This makes it particularly suitable for applications with steam, gas, and most chemicals and petroleum products. However, use with strong oxidizers should be avoided.

Applications

Specifically designed for valves, CONTROLLER ONE Z is suitable for ensuring sealing in a wide range of industrial services, including those with steam, gas, and chemicals. Its extrusion resistance and ability to maintain sealing even with a lower clamping load make it a reliable choice for industrial applications.

Tech Data

	P bar	lbf/in2	Vm/S	f/pm	pH	T°C	T°F
	300	4500	1	200	0 ÷ 14	-200 ÷ 450 / 650	-330 ÷ 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 set of expanded graphite rings with trapezoidal section (Planigraph V48Z) with head and bottom in GR8807 INCOBRAID® graphite braid represents a reliable solution to ensure sealing in a wide range of industrial applications.



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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