



CONTROLLER ONE Z

Composition

- **Middle rings:** pure nuclear-grade graphite rings **V48Z PLANIGRAPH**
- **Top & Bottom Rings:** **GR8807 INCOBRAID®** graphite packing rings made of 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 at its maximum rated temperature and pressure. Consult the manufacturer for further information.
- The peak temperature can be sustained only for short exposure periods.
- 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.
- Flexible graphite and carbon yarns shall not 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.



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