



# 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



## CONTROLLER ONE Z

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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