

# **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	рН	т∘с	T°F
丰	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  $^\circ$  C
- With steam and non-oxidizing fluids the temperature must be limited to 650  $^\circ$  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.



