



# CONTROLLER ONE

## Composition

- **Middle Rings:** sealing rings in pure PLANIGRAPH graphite with **Cup & Cone** cross-section, molded with differentiated densities.
- **Top & Bottom Rings:** braided rings made of Ni-Cr reinforced carbon yarns, type **Incobraid® GR8807**.



## Characteristics

This set of Cup & Cone-configured packings is composed of expanded graphite rings with high carbon content (C > 99%), molded with differentiated densities, and braided rings in the Top & Bottom positions made of Incobraid® GR8807, which ensures exceptional wear and extrusion resistance.

The innovative configuration of Controller One enables significant radial expansion of the graphite rings even with moderate tightening loads.

## Applications

Controller One is especially suitable for applications requiring low VOC and HAP emissions. Its extrusion resistance and ability to adapt to various valve geometries make it a reliable choice for critical applications. The packing is designed for use in industrial valves requiring frequent operation. Graphite stem packing suitable for a wide range of industrial applications.

## CONTROLLER ONE

**Controller One** is an innovative stem packing made of graphite rings with differentiated cross-sections and densities, designed for industrial valves to ensure safety and reliability in compliance with VOC and HAP emission containment regulations. Its advanced configuration and use of high-quality materials ensure optimal performance across a wide range of industrial applications.

## Tech Data

	P bar	lbf/in <sup>2</sup>	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.
- Flexible graphite and carbon yarns shall not be used with oxidizing fluids.



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**Carrara S.p.A.**

Via Provinciale 1/E - 25030 Adro - BS - Italia  
tel. +39 030 7451121 [www.carrara.it](http://www.carrara.it) [info@carrara.it](mailto:info@carrara.it)