



# CONTROLLER ONE EVO

## Composition

- **Intermediate rings:** rings made of expanded mineral graphite Planigraph
- **Top & Bottom rings:** graphite packing rings **GR80SGR**

## Characteristics

This gasket kit for industrial valves is designed for low-emission applications with hydrocarbons, hydrogen, VOCs, VHAPs, non-oxidizing chemicals, and steam. CONTROLLER ONE EVO has been designed and manufactured to meet the demand for reliable products compliant with Low Emission requirements.


The graphite rings are molded in the characteristic **Cup & Cone** section, which, when compression load is applied, generates a thrust toward the stem and the stuffing box, increasing the sealing level and meeting TA LUFT VDI 24040 low emission requirements even with low tightening loads.

CONTROLLER ONE EVO is manufactured from ultra-pure graphite, ensuring moderate weight loss at high temperatures in accordance with EN14772 - section 6.7, while offering superior resistance to high temperatures and operational loads, meeting the most stringent requirements for industrial applications.

## Applications

CONTROLLER ONE EVO is ideal as a stem sealing set for industrial valves in low emission applications. Thanks to its ability to maintain reliable sealing even in severe operating conditions and its chemical and thermal resistance properties, it is suitable for a wide range of industrial services, ensuring reliable performance and compliance with the highest safety and regulatory standards.

## Tech Data

|   | P bar | lb/in2 | V m/s | fpm | pH     | T°C              | T°F               |
|---|-------|--------|-------|-----|--------|------------------|-------------------|
|  | 300   | 4500   | 1     | 200 | 0 ÷ 14 | -200 ÷ 450 / 650 | -328 ÷ 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.



## CONTROLLER ONE EVO

The range of graphite products for industrial valve stems offers a wide selection of models to ensure optimal choice in every situation.

These gaskets are made from materials that meet rigorous industry standards, including ASTM F2168 and ASTM F2191, taking into account the main deviations provided for by IOGP standards and major oil and gas producers.

The Carrara range ensures a level of certification suitable for every technical specification and sustainable application of graphite products.



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 **CARRARA**  
GLOBAL SEALING SOLUTIONS

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