



# VALVE PACKING CONTROLLER 2

## Composition

The Controller 2 sealing set comprises two main components:

- V80E: Rings made of high-quality pure graphite with the designation Valvograph E, renowned for their excellent resistance and durability.
- GR8800: Braided braid with P.A.N. (polyacrylonitrile) graphite yarn impregnated with pure graphite and passive corrosion inhibitors, ensuring increased durability and reliable performance even in extreme conditions.

## Characteristics

The Controller 2 stands out for a series of notable technical features:

- High extrusion resistance: Thanks to its multilayer structure and the quality of the graphite used, the Controller 2 offers excellent extrusion resistance, ensuring effective sealing even under high pressures.
- Reduced friction coefficient: The smooth and homogeneous surface of the graphite rings significantly reduces the friction coefficient, allowing smooth and frictionless valve operation.
- Low tightening torque: The flexible and adaptable nature of the expanded graphite allows for a tight valve closure with minimal tightening torque, reducing wear and extending the life of the gaskets.
- Low fugitive emission: Thanks to its advanced design and the quality of the materials used, the Controller 2 offers very low fugitive emissions, ensuring maximum safety and compliance with the strictest environmental standards.

## Applications

The Controller 2 sealing set is particularly suitable for a wide range of industrial applications, including:

- Oil and petrochemical industry
- Chemical industry
- Energy production
- Mining industry
- Water treatment
- Food and pharmaceutical production

It is ideal for use with a variety of industrial fluids and gases, except for strong oxidants. It is recommended to avoid use with combustion gases and to limit use with weak oxidants and hot air to temperatures below 450°C to ensure the best performance and durability over time.

## Tech Data

P bar	lbf/in2	Vm/S	f/pm	pH	T °C	°F
300	4500	1	200	0÷14	-100 ÷ +450+650	-150 ÷ 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



## Valve Packing Controller 2

The Controller 2 is a sophisticated set of rings made of high-performance expanded graphite, specifically designed to ensure reliable and long-lasting sealing in the most demanding industrial environments. The combination of expanded graphite rings (Valvograph V80E) and a PAN graphite braid (GR8800) for the head and bottom provides a comprehensive and highly effective solution for valve sealing applications.



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GLOBAL SEALING SOLUTIONS

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