



CONTROLLER 2

Composition

- **Middle rings:** Pure expanded graphite
- **Top & Bottom rings:** Carbon braided packing style GR8800


Characteristics

- **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

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/in ²	Vm/S	f/pm	pH	T°C	T°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



The information in this publication, as well as any additional information provided to users, is based on experience and is shared to the best of our current knowledge. However, due to numerous factors beyond our knowledge and control that may affect the use of these products, no warranties are provided or implied regarding this information. The operating limits presented in this publication do not imply that these values can be applied simultaneously. Do not use the product at the maximum temperature and pressure values simultaneously. The maximum temperature is suitable only for short-term exposure under specific conditions. Specifications are subject to change without prior notice. The picture in the DS may not accurately depict the exact color and/or markings of the product.

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CONTROLLER 2 is a packing of graphite rings for the stem, made of expanded graphite with carbon braid. **CONTROLLER 2** is designed to ensure reliable sealing for all applications, from the most ordinary to the most severe. The combination of expanded graphite rings **Planigraph V48E** and P.A.N. carbon braided packing **GR8800** for the top and bottom rings provides a complete and effective sealing solution for valves.



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