



# VALVE PACKING CONTROLLER 3 EVO

## Composition

The kit is composed of pure expanded mineral graphite with a special metallic reinforcement and impregnation with a graphite-based compound and special components.

## Characteristics

Controller 3 Evolution consists of braided rings made of printed strands of expanded graphite characterized by a special reinforcement. This material ensures very low weight loss during operation at high temperatures, meeting EN14772 - section 6.7 requirements, and offers a low coefficient of friction. Certified Low Emission TA LUFT VDI2440, it maintains its elastic properties and sealing performance over time with moderate retightening requirements. It is also available in Dry version for oxygen use.

## Applications


Controller 3 Evolution is a specific stem seal for Low Emission Industrial Valves, but is also suitable for those with high pressure and temperature service.



## Valve Packing Controller 3 Evo

Controller 3 Evolution is a sealing kit consisting of expanded graphite gland rings Sigraflex®, certified Low Emission according to TA LUFT VDI2440 standards.

## Tech Data

	P bar	lbf/in <sup>2</sup>	Vm/S	f/pm	pH	T°C	T°F
	500	7500			0 ÷ 14	-200 ÷ 450 / 650	-330 ÷ 850 / 1200

- Never use the product to the maximum temperature and pressure associated. Consult the manufacturer for further information
- 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.



**Carrara S.p.A.**  
Via Provinciale 1/E - 25030 Adro - BS - Italia  
tel. +39 030 7451121 / fax +39 030 7451130  
[www.carrara.it](http://www.carrara.it) - [info@carrara.it](mailto:info@carrara.it)