

PGT4 GR8622 ESP

Composition

PGT4 GR8622^{ESP} is a combined stem packing composed of expanded graphite rings **Planigraph**^{ESP} and **GR8622**^{ESP} braided graphite rings.

Characteristics

PGT4 GR8622^{ESP} is manufactured with modified **Planigraph**^{ESP} graphite made according to strict guidelines. Maintaining the packing weight is essential in order to meet standards and minimize fugitive emissions in the long term. The excellent sealing capabilities of **PGT4 GR8622**^{ESP} and the reduced fugitive emissions are born from a completely brand-new approach. This material is characterized by a reduced coefficient of friction and low permeability, better than those achievable with the current technology using lubricants, without compromising the chemical integrity of the material.

PGT4 GR8622^{ESP} is a Low Emissions API std 622 3rd Edition and ISO 15848 BH C01/C02 approved graphite packing, providing a valid solution to reduce OEM stock seal types. It can be used for all Oil & Gas, Cyogenic, H_2 and most Chemical services, as well as steam.

Applications

PGT4 GR8622^{ESP} is a graphite stem packing seal designed for low-emission services in industrial valves. It is suitable for use with hydrocarbons, cryogenic, hydrogen, VOCs, VHAPs, non-oxidizing chemical compounds, and steam. **PGT4 GR8622**^{ESP} is rated for up to 500 bar. It is designed to operate under all pressure conditions covered by classes 150 to 2500 lbs, thanks to its special wiper rings, GR8622^{ESP} style (for extreme applications, such as those requiring API 5000 and API 10000 standards, please contact the Carrara Technical Department).

Tech Data

	P bar	lbf/in2	Vm/S	f/pm	рН	T°C	T°F
违	500	7500	1	200	0 ÷ 14	-200 ÷ 450 / 650	-320 ÷ 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
- With steam and non-oxidizing fluids the temperature mus
 Graphite and carbon cannot be used with oxidizing fluids



PGT4 GR8622 ESP

APPROVALS

- API std 622 3rd Ed. FE 260°C (500°F)
- API std 622 3rd Ed. ANNEX C FE 400°C (750°F)
- ISO 15848 BH-C01/C02-400°C (750°F)
- Limited detrimental materials and Ash
- Weight Loss API std 622 3rd Ed., EN 14772 S.6.7, FSA-G-604-07 METHOD B
- TQ39 50.000 h Target Temperature 408°C
- Fire Test API 607, API 6FA, ISO 10497
- Corrosion Test RT and HT
- MESC 85/203 and 85/204
- H2 Compatible
- PTFE Free
- PFAS Free
- Wet Lubricant Free



