



XCTR1 B - CONTROLLER BACK

Composition

- Expanded mineral graphite, compliant with EN14772 Section 6.7
- Metallic insert A182 F316 (other materials available)

Characteristics

Gasket set in expanded graphite with variable density and anti-extrusion rings. The XCTR1 B gasket is specifically designed for Ball Valve seats in applications up to class 1500. XCTR1 B is configured to provide approximately 20% compression, ensuring high recovery levels.

Applications

Expanded mineral graphite can operate across the full pH range, at both very low and high temperatures. The following limitations and exclusions must be considered:

- With mildly oxidizing agents, hot air, and combustion gases, the temperature must be limited to 450°C.
- The maximum continuous service temperature is 600°C, with a peak limit of 650°C for short exposures.
- Graphite is not compatible with strong oxidizing agents.
- Graphite is suitable for cryogenic applications and oxygen service.
- The metallic insert must be compatible with the process fluid.

Tech Data

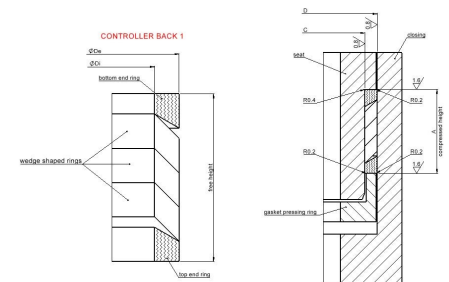
| | P bar | lbf/in ² | Vm/S | f/pm | pH | T°C | T°F |
|--|-------|---------------------|------|------|--------|------------------|-------------------|
| | 250 | 4250 | | | 0 ÷ 14 | -200 ÷ 450 / 600 | -330 ÷ 840 / 1200 |

- 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.



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The range of Controller Back graphite seals for the seat includes different configurations to cover the full range of Ball Valve applications.



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Carrara S.p.A.,
Via Provinciale 1/E - 25030 Adro - BS - Italia
tel. +39 030 7451121 www.carrara.it - info@carrara.it