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:

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

Tech Data

	P bar	Ibf/in2	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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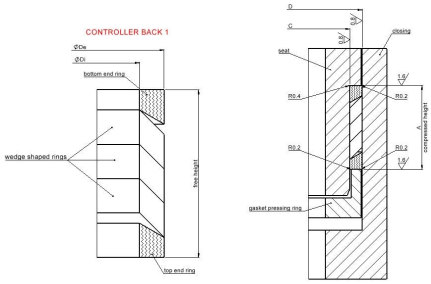
The range of Controller Back graphite seals for the seat includes different configurations to cover the full range of Ball Valve applications.



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