

Cooling Tower Expander

Large-volume expander for cooling tower and condenser water systems.

Cooling tower expanders accommodate the large water-volume changes in open and closed cooling systems. They are sized for the system volume, static head and temperature swing, with corrosion-resistant linings and connections for tower and condenser loops.

KEY FEATURES

- Large-volume pressure stabilization
- Corrosion-resistant lining options
- Sized for cooling tower loops
- Vertical or horizontal installation

SPECIFICATION

ITEM	VALUE
Volume range	100–1,000 L
Pressure range	2–30 bar
Temperature	0–80 °C
Connection	2–6 in
Body	Ductile iron, carbon steel, stainless
Design code	ASME VIII, PED

STANDARDS AND MATERIALS

Standards: ASME Section VIII; PED 2014/68/EU; Manufacturer standard.

Materials: Ductile iron; Carbon steel; Stainless steel.

ORDERING RANGE

Representative configurations. The full size, material and connection range is confirmed on the order acknowledgement.

VOLUME	PRESSURE	CONNECTION	MATERIAL	PART NUMBER
200 L	10 bar	2"	Ductile iron	BGI-CTE-200-10-DI
500 L	10 bar	3"	Ductile iron	BGI-CTE-500-10-DI
750 L	16 bar	4"	Stainless steel	BGI-CTE-750-16-SS
1000 L	16 bar	4"	Stainless steel	BGI-CTE-1000-16-SS

APPLICATIONS

- Cooling towers
- Condenser water loops
- HVAC plants
- Industrial cooling

ORDERING NOTES

Confirm size, pressure class, facing or connection, material and quantity when ordering. For critical service, include the project specification, NDE requirements and documentation package. Alternative materials, coatings, tappings and special dimensions are quoted on request.

Range: Expanders. Document reference: DS-COOLING-TOWER-EXPANDER · Rev. 04.

Ordering and technical support

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Quotations are prepared against the released specification. Certified drawings are issued with the order.