

Industrial Expander

Heavy-duty expander for process, utility and industrial water systems.

Industrial expanders are heavy-duty pressure vessels for process and utility systems. They are supplied with flanged or threaded connections, protective linings and optional instrumentation tapplings for pressure monitoring.

KEY FEATURES

- Heavy-duty industrial construction
- Flanged or threaded connections
- Protective lining options
- Instrumentation tapplings available

SPECIFICATION

ITEM	VALUE
Volume range	5–500 L
Pressure range	1–200 bar
Temperature	-10 to 100 °C
Connection	1–6 in
Body	Ductile iron, cast steel
Design code	ASME VIII, PED

STANDARDS AND MATERIALS

Standards: ASME Section VIII; PED 2014/68/EU; CRN available.

Materials: Ductile iron; Cast steel; Carbon steel.

ORDERING RANGE

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

VOLUME	PRESSURE	CONNECTION	MATERIAL	PART NUMBER
10 L	10 bar	1"	Ductile iron	BGI-IE-010-10-DI
50 L	16 bar	2"	Cast steel	BGI-IE-050-16-CS
100 L	25 bar	2"	Cast steel	BGI-IE-100-25-CS
250 L	25 bar	3"	Cast steel	BGI-IE-250-25-CS
500 L	40 bar	4"	Cast steel	BGI-IE-500-40-CS

APPLICATIONS

- Process water
- Industrial utilities
- Pump systems
- Pressure stabilization

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-INDUSTRIAL-EXPANDER · Rev. 04.

Ordering and technical support

sales@belvantaglobal.com · +1 (713) 555-0140 · www.belvantaglobal.com

1200 Industrial Parkway, Houston, TX 77032, United States

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