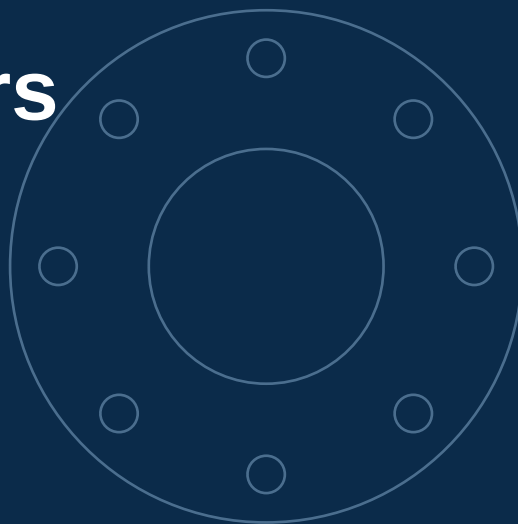


PRODUCT OVERVIEW

Pressure Expanders

Pressure, flow control, cooling tower, industrial and precision expanders for process systems.



DOCUMENT

Product overview

FAMILY	Expanders
RANGE	Pressure Expanders
TYPES	5
REVISION	Rev. 04
ISSUED	15 September 2026

Pressure Expanders

Pressure, flow control, cooling tower, industrial and precision expanders for process systems.

Pressure expanders provide controlled volume and flow regulation in process, utility and cooling systems. The range covers bladder and diaphragm pressure expanders, flow control devices, cooling tower expanders and precision units for low-flow analytical duty. Units are selected by volume, pressure, connection and media compatibility.

STANDARDS AND SUPPLY SCOPE

- Primary standards: ASME Section VIII; PED 2014/68/EU; CRN available.
- Product types: Pressure Expander, Flow Control Expander, Cooling Tower Expander, Industrial Expander, Precision Expander.
- Standard and made-to-order configurations; project documentation on request.
- Material certificates, inspection records and test reports issued with the order where specified.

SELECTION INPUTS

- Duty, media, pressure and temperature.
- Size, pressure class and connection detail.
- Material and any sour-service or NACE requirement.
- Documentation, NDE and test requirements.

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.

PRODUCT TYPES

Each type below has a dedicated datasheet in the product library. Open the range page for specifications, ordering data and drawings.

Pressure Expander

ASME Section VIII · Cast iron / Carbon steel

Bladder or diaphragm vessel for pressure stabilization and water hammer control.

Flow Control Expander

ISO 9001 manufacturing · Brass / 316L stainless steel

Compact device for stable low-flow regulation in process systems.

Cooling Tower Expander

ASME Section VIII · Ductile iron / Carbon steel

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

PRODUCT TYPES

Each type below has a dedicated datasheet in the product library. Open the range page for specifications, ordering data and drawings.

Industrial Expander

ASME Section VIII · Ductile iron / Cast steel

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

Precision Expander

ISO 9001 manufacturing · 316L stainless steel / Titanium

Low-volume precision unit for analytical and micro-flow systems.

DOCUMENTS

- Pressure Expanders Overview (this document)
- Pressure Expanders General Arrangement Drawing
- Pressure Expander Datasheet
- Flow Control Expander Datasheet
- Cooling Tower Expander Datasheet
- Industrial Expander Datasheet
- Precision Expander Datasheet

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