

Thermocompressor

High efficiency energy saving solution

Spirax Sarco's Steam Jet Thermocompressors are energy saving devices that compress low pressure steam, often waste steam, to a higher useable pressure that can be recycled back into the process.



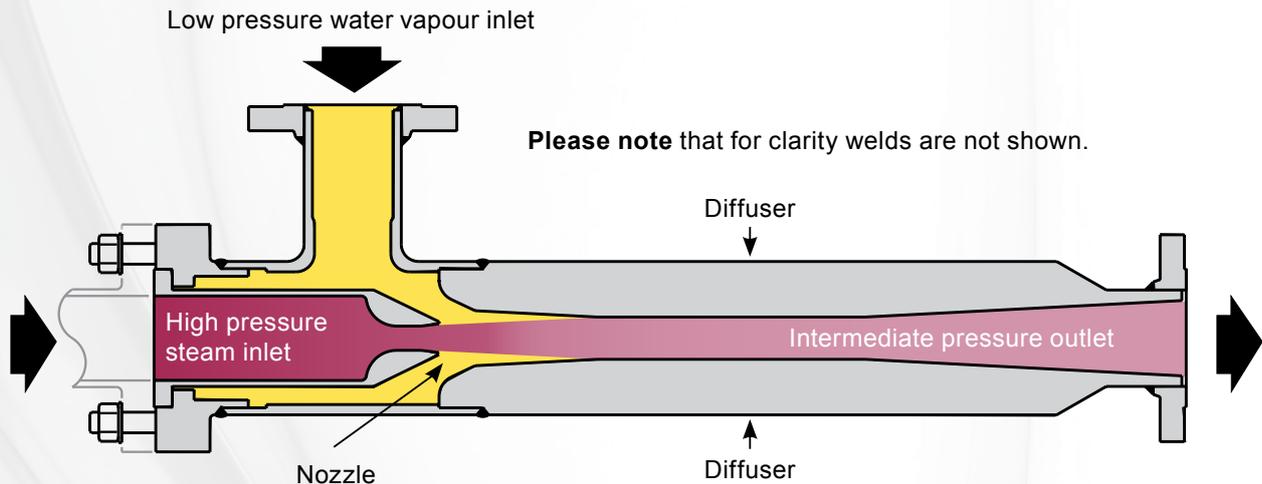
Reduce waste to increase profits

Process industries are constantly looking for opportunities to reduce energy costs by optimising their energy consumption. For many of our customers this means reducing waste steam to improve steam generation efficiency and increase profitability. This is where our Steam Jet Thermocompressor can help.

How it works

Our Steam Jet Thermocompressor uses high pressure steam to entrain low pressure steam and discharges at a pressure that lies somewhere between the two pressures.

High pressure motive steam enters and passes through the nozzle and enters the suction chamber where it is brought in contact with the low pressure steam. This steam mixture then enters the diffuser where its kinetic energy is converted to pressure energy. The steam discharged is then put back into the process.



Advantages of using our Steam Jet Thermocompressor...

- It's simple, compact and lightweight construction means it's easy to install into a pipeline and enables overhead installations
- It has low capital and operating costs
- There are no moving or rotating parts
- Minimal maintenance is needed meaning the units can be installed in remote or locations.
- Oil free discharge ensures there is no lubrication contamination
- Suitable for hazardous areas
- Virtually silent operation

Construction

Each unit is available in many materials and is designed specifically to suit your process requirements to ensure maximum operating efficiency.

All products comply with the requirements of the Pressure Equipment Directive (PED) and are CE marked where appropriate. All of our design and manufacturing processes are quality assured and certified to BS EN 9001:2000.

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