



EJECTOR

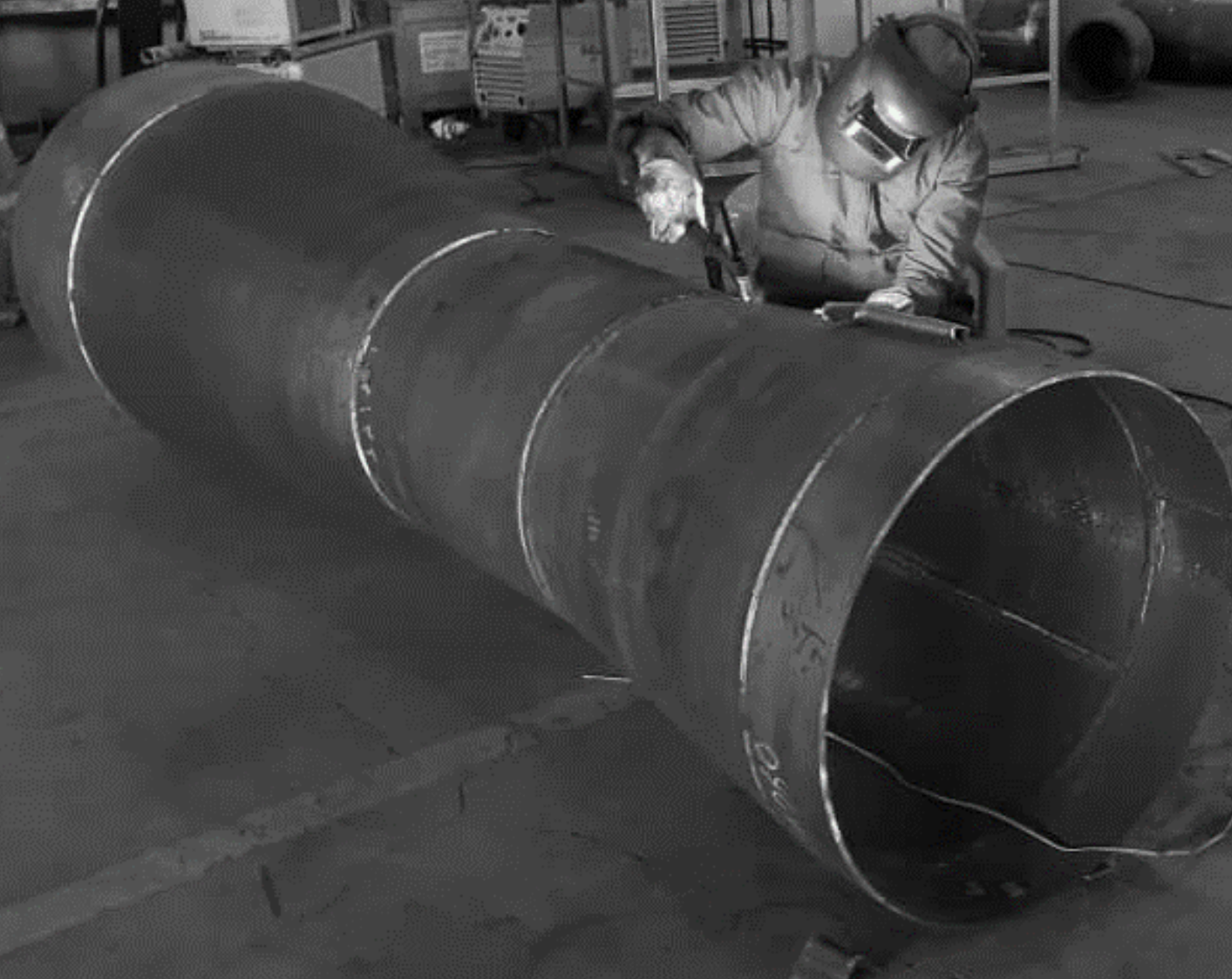
EJECTORS serve to induce a secondary fluid by using the momentum and energy transfer that comes from a primary jet which is moving at a high velocity. When working with incompressible fluids such as liquids, they are usually called jet pumps or eductors. However, when using compressible fluids such as gases and vapors as the primary fluid, the terminology shifts to ejectors and injectors instead.

As Your **Reliable Partner**

PANTAN has provided numerous process packages and equipment to different customers, tailored to meet their individual demands. Ejectors are provided individually or as a package with or without a condenser, or used in the jet scrubber package to draw and wash the exhaust gases.

Our team designs, manufactures, and assembles these packages as per the client's requirements. Computational Fluid Dynamics (CFD) is used to ensure optimum performance of ejector and reduction of manufacturing costs.





THE **POWER** OF
SIMPLICITY

Features

- Available in erosion and corrosion resistant material
- High Efficiency in many applications
- Fully customized design
- Produce vacuums ranging from 10 bar
- No-moving part
- Low-cost maintenance

Type of ejector based on primary fluid:

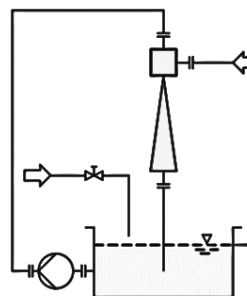
- Liquid- jet ejector
- Steam- jet ejector
- Gas/air- jet ejector

Liquid- jet ejector

Liquid-jet ejectors operate by utilizing a high-speed motive nozzle jet that entrains air, gas, liquid or solid matters from the surrounding environment compresses them to atmospheric pressure.

Application

- Gas compressor
- Liquid pumps
- Solid pumps
- Mixer
- Ventilators



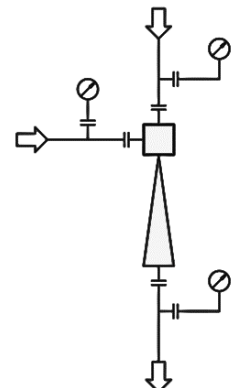
Steam- jet ejector

Steam jet ejectors are ideal vacuum pumps due to their capacity to efficiently handle vast volumes of vacuum. Single stage jet pumps can create a vacuum of approximately 100 mbar against atmospheric pressure.

For even lower suction pressures, multi-stage steam jet vacuum pumps are employed either with or without intermediate condensation.

Application

- Vacuum pumps
- Thermo compressor
- Ventilator
- Liquid pumps
- Heaters

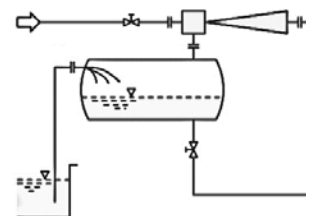


Gas/air- jet ejector

The operational principle of gas jet vacuum pumps and air jet vacuum pumps is the same as every other type of jet pump. The energy of the motive medium's pressure is transformed into velocity energy via the motive nozzle.

Application

- Gas jet vacuum pumps
- Gas jet compressors
- Ventilators



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