

Recovering leaked gas

Smart solutions for gas recovery

Safety and
sustainability



Recover leaked gas, reduce emissions and enhance safety with passive and active recovery systems tailored to your compressor setup — helping you lower operating costs by minimizing gas losses.

Passive recovery

Designed for low suction pressure systems, passive recovery redirects leaked gas back to the suction side, eliminating the need for venting or flaring.

Buffer/purge gas system

The buffer and/or purge system is defined based on the specific operating conditions.

Packing modification

To implement a purge and/or buffer system the packing is modified.

New piping

We supply all necessary piping for new leak gas and purge/buffer lines, ensuring full compliance with the existing piping layout.

Inboard breather connection

Tubing will be installed directly onto the inboard breather connection, routing the leaked gas back to the suction side.

Active recovery

Designed for high suction pressure systems, the active recovery system re-pressurizes leaked gas and feeds it back into the compressor's suction side, reintegrating it into the gas circuit.

Comprehensive solution

Our recovery unit provides a comprehensive, efficient and customizable solution — delivered as a complete package including valves, filters, oil separator and piping. It is available in both oil-free and gas-tight configurations to meet a wide range of application requirements.

Design features

- Oil-free & gas-tight crankcase
- No sealing gas
- Adjustable cylinder sizes
- Electromotor included

Operating range of active recovery

- Inlet pressure: Up to 30 bar
- Outlet pressure: Up to 450 bar
- Flow rates: Up to 1'000 Nm³/h (with one compressor unit)

- Power: 0.5 – 30 kW
- Inlet temperature: 5°C to 35°C

Benefits of recovery systems

Energy saving

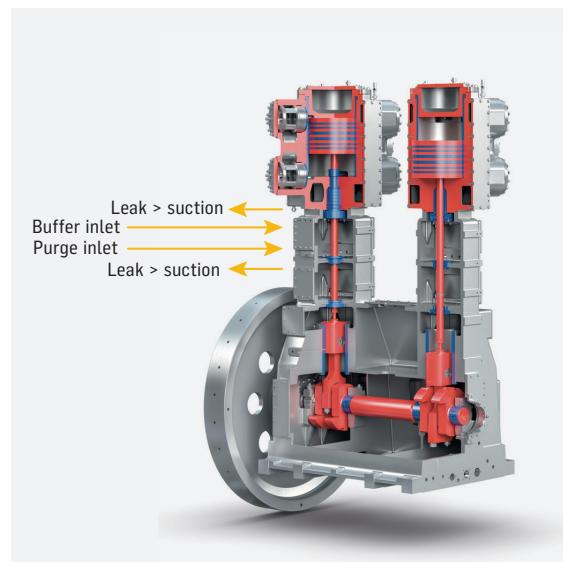
A recovery system positively impacts overall cost accounting by reusing leaked gas

Sustainability

The recovery system captures leaked gas from the packing, preventing atmospheric release and enabling near-zero emissions – supporting your sustainability goals

Safety

A purge/buffer system minimizes leakage into the distance piece and prevents gas from entering the crankcase



Passive recovery

Complete solution

We offer a complete and compact gas recovery solution tailored to suction pressure conditions—passive systems for low suction pressure and active systems for high suction pressure. Each solution includes all required components and documentation, featuring innovative recovery units with long service intervals, high reliability and seamless integration into existing setups, all while requiring minimal maintenance.



Active recovery

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