

VAPOR COMPRESSORS

for MVR (Mechanical Vapor Recompression)
and Energy Recovery



eMVR



Screw Compressors



ExVel™ Turbo Fans



Centrifugal Compressors

Howden, A Chart Industries Company, offers the widest range of turbo fans and compressors for steam and other vapors. From our industry leading ExVel™ Turbo Fans to our lines of centrifugal and screw compressors, we have achieved an extensive depth of experience in MVR applications in numerous industries.

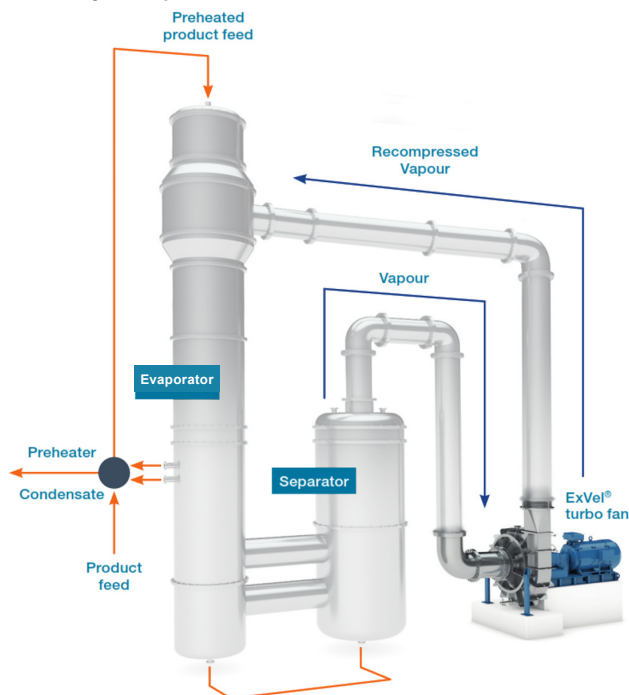
Howden, a Chart Industries Company, understands the unique process, aerodynamic, mechanical, and operations requirements of MVR and vapor applications, which differ from most any other application for rotating machinery, and therefore you can rely on Howden to be your trusted advisor to help you secure the optimum vapor compressor solution for your plant.

Extensive Experience

Our experience is your peace of mind.

- ✓ Agriculture
- ✓ Chemical
- ✓ Dairy
- ✓ Desalination
- ✓ Distillation
- ✓ Electric Utility
- ✓ Ethanol
- ✓ Food & Beverage
- ✓ Metals
- ✓ Mining
- ✓ Oil & Gas
- ✓ Petrochemical
- ✓ Pharmaceutical
- ✓ Pulp & Paper
- ✓ Waste Water

Howden's expertise gathered over decades of pioneering, researching, engineering, manufacturing, installing and supporting turbo fans and compressors for MVR and vapor compression applications provides confidence for successful, reliable long-term operation. To date, we have installed thousands of vapor compressors in more than 70 countries.



Choosing the Right Compressor Technology...and the Right Partner

Objective, Optimized Vapor Compressor Solutions

With our breadth of turbo fan and compressor technologies, we are happy to offer an objective review of your process and operational needs and recommend vapor compressor and system solutions optimized for your application and industry

Performance

Our vapor compressors can provide the highest delta-T capabilities in the industry at proven excellent efficiencies.

Reliability

Changing production demands, challenging chemistries, foaming and carryover, and other vapor compression challenges can lead to affects on performance, efficiency, and even lead to outages. The right vapor compressor technologies can significantly diminish unplanned downtime.

Main Driver

Vapor compressor driver options range from electric motors, to engines, to Howden Steam Turbines with excess steam. We will design a solution to make the most of your available energy at minimal cost.

Standardization and Fleet Solutions

We can advise on areas where standardization across all or part of your plant could bring savings in installation, spares and maintenance costs.

Cost

Leveraging our experience, we will work with you to optimize the CapEx and OpEx balance for your project.

Maintenance

Different vapor compressor technologies and design variations differ in the degree and ease of routine inspections and planned maintenance. Let our experts guide you through choosing the right technologies and maintenance planning.

Turndown

Changes in operating conditions ranging from changing process chemistries to seasonal production needs can significantly affect efficiency and power consumption. We have extensive experience in optimizing flow and delta-T control while minimizing energy.

Aftermarket Support

We have an unequivocal commitment to aftermarket support to keep your plant running and extend its working life. We have the largest global aftermarket team in the fan and compressor industry, and local bases in several countries to be on-site, fast, when you need us.



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