

Packaged screw compressors

Howden solutions for the industrial market



Howden's experience in the field of screw compressors is unique. We were there when they were invented.

Howden screw compressors are recognised globally as being an extremely efficient and reliable machine, providing a high degree of uptime and minimal maintenance for a wide range of critical applications in challenging environments.

The design, manufacture, commissioning and support of our compressor packages has forever been a Howden strength. As the original equipment manufacturer (OEM), we offer broad flexibility in specification requirements, ranging from full API requirements to standard industrial applications, including specifically tailored solutions to suit the needs of your individual markets.

Our innovative modular designs, multi-level sourcing and competitive pricing allows us to offer an OEM solution to the industrial, power and refrigeration markets, whilst maintaining the highest possible quality standards. Our global reach and local expertise, enables us to respond quickly to our customers, providing rapid spare parts and local service support.



Key facts:

- ✓ In 1938, James Howden & Co Ltd licenced the screw compressor technology from SRM in Sweden
- ✓ We were the first company to commercialise the technology to the global market
- ✓ Today, we continue to innovate and develop our world leading screw compressor product

Howden's packaged solutions to the industrial market

There is no major industrial gas application in the world that Howden does not have experience of, either as the supplier of key equipment or advising on the best response to a unique set of circumstances.

We understand the demands of the industries we work with, and provide flexibly in the offerings we provide. The Howden Industrial offering covers the following key applications: Process Cooling, Industrial Gases, Chemical Applications, Power and Steel.



Why Howden?



Flexibility of design options

Fit for purpose package at competitive pricing with a modular selection of specifications

This ensures maximum capacities are matched in the smallest suitable compressor, in turn lowering CAPEX and OPEX costs through associated installation and operating costs

Flexibility of design to meet the needs of every application duty through a wide product



Product knowledge and guarantee

Combining 160 years of experience and API solutions to provide intimate customer service

The best OEM Solution, as no one understands our products better than us

Full life time service coverage can be aligned to the package requirements



Product selection

Howden Select is an online configuration tool, enabling customers to input their criteria which systemically matches your needs to our Howden product ranges

You are able to see the performance of each compressor in line with project requirements and determine the best compressor for your selection

This software is accessible round the clock and empowers our customers to make their own screw selection



Full life time service coverage

We provide a lifelong spare parts and maintenance service through our global network

Our global aftermarket network means that testing can be carried out at one of our local Howden testing facilities

Comprehensive analysis ensures the accuracy of performance data, particularly relating to the computer selection programs for standard gases and refrigerants

Our thorough testing delivers confidence that the unit will perform reliably throughout its life



Response time

Our Howden global footprint allows us to have a permanent presence across every continent

Our regional offices allows a quick customer response time

We provide long term reliable performance through expert O&M and specialist engineers

Our Howden Uptime remote monitoring offers a quick resolution to unexpected issues and minimises downtime



Operational efficiencies

Our compressors are designed for optimised performance that operate at the most efficient point to avoid over and under compression issues, which improves the energy usage and minimises operational costs

Our unique and innovative digital solution, Howden Uptime, provides an invaluable insight into the performance of process critical rotating equipment

By gathering the sensor data from your compressor and analysing how it operates and responds to the environment, we are able to deliver energy savings and extend maintenance intervals



Reliability and availability

Our screw compressors have guarantee reliability and availability, with no down time to plant

Howden Uptime can improve plant reliability and prolong the life of your equipment by remotely monitoring its real time output against ideal performance metrics



Removing extra capital spend

Our customers will minimise capital costs due to selecting the smallest applicable compressor for applications requiring high pressure ratios, in fewer stages

Our customers will also lower installation costs and generate savings through Heat Recovery options.

Howden industrial offering

Our OEM knowledge and experience is tailored to the your specific requirements of for your application and operational goals

Howden industrial offering	Entry level	Mid level	Top level
Howden bareshaft compressor (established in 1936)	✓	✓	✓
Performance guarantee for specified operating points	✓	✓	✓
Experienced project team	✓	✓	✓
Standard configured design	✓	✓	✓
Bespoke design to client specifications and recognised international standards		✓	✓ *
Compact package footprint	✓	✓	✓
Tailored documentation pack		✓	✓
Built in redundancy as required		✓	✓
Isolation of major equipment			✓

* More consideration required for maintenance access.

The Howden oil injected screw compressor range can provide gas from 200 sm³/h to 29000 sm³/h and up to 75bar pressure.

✓	Base scope
	Iron compressor
	Lube oil separator (reduces oil content to 25ppm)
	LO system designed for compressor operating point
	Flanged Customer terminating points
	Single LO pump
	Pressure relief valve
	Shrink wrapped packing
	Collection from HCO

+	Potential upgrades
	Steel Compressor
	Higher grades of oil separation
	Dual pump arrangement
	Dual cooler arrangement
	Compressor/motor machine condition monitoring
	Upgraded document pack (including material/test certs)
	Wooden crate packing
	Delivery to site

Worldwide lifetime support

Every Howden screw compressor is the product of over seventy years of engineering excellence

The Howden advantage

Howden products are designed to achieve maximum efficiency and long reliable operational life through our focus on engineering excellence.

This has been established and enhanced across one of the largest installed bases of screw compressors in the world since first commercialising screw technology in 1938.

Screw compressor configuration software for our customers

Our Howden Select software is designed with you in mind.

Benefitting from 160 years of engineering expertise, Howden Select is the screw compressor configuration software which allows you to create your own product selections.

Our customers have peace of mind in the knowledge that we will match our most efficient and economical screw compressor to your application. You can make selections in real time, making it an efficient way to generate results tailored to your needs. You have unlimited access to our software, making it a convenient way to engage with our applications and sales teams.



[Click here to start your selection](#)



Peace of mind

You can depend on Howden to guarantee your screw compressor operates safely and reliably in the field, will performing flawlessly in the most demanding situations.

We understand that minimizing down-time and maximising the reliability of your equipment is critical. Howden's focus is to ensure our build quality & attention to detail exceeds your expectations.



Health and safety

Effective management of Environment, Health and Safety is a way of life in Howden.

Howden's Global Environment Health and Safety (EHS) department work through a business-wide management system to ensure Howden adheres to common Environmental Health and Safety performance indicators.

Our remit includes running training sessions, driving the use of our EHS Hub as a management tool and embedding a Cross Audit Programme throughout Howden. The majority of our manufacturing and servicing operations worldwide are certified to both OHSAS 18001 and ISO 14001.

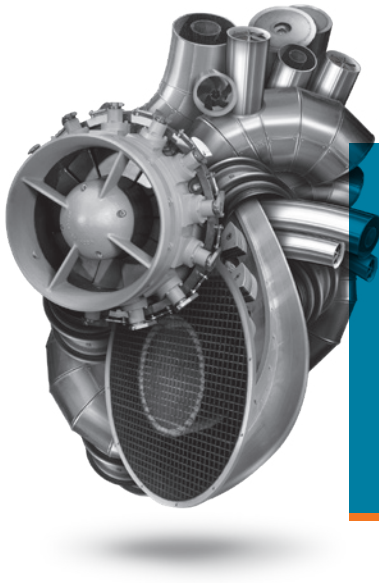
In addition to our externally certified EHS management systems, Howden has, since 2010, operated an extensive EHS Cross Audit Programme worldwide.

Compressor technology with a digital advantage

Howden offers unparalleled expertise in every application where reliable, round the clock operation is paramount.

With Howden's digital solution Uptime, and our in-depth knowledge of compressor technology, we can increase compressor reliability, predict maintenance requirements and optimise performance on demand.





At the heart of your operations

Howden people live to improve our products and services and for over 160 years our world has revolved around our customers. This dedication means our air and gas handling equipment adds maximum value to your operations. We have innovation in our hearts and every day we focus on providing you with the best solutions for your vital operations.



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Revolving Around You™