

Fans for chemical production

Gas and air handling within chemical applications



Howden benefits



Wide range of gases handled and duty points covered



Highly configurable to meet operational demands



Robust design fit for continuous performance in erosive and corrosive environments



Safe operations with gas tight design and ATEX/API compliance

Reliable air supply and process gas handling from Howden's range of centrifugal fans.

Howden has a vast amount of experience gained across inorganic chemicals, fertilizers and industrial gases. Our fans are central to continuous processes supplying air and handling gases from Nitrogen, Hydrogen and Noble gases to waste gas.

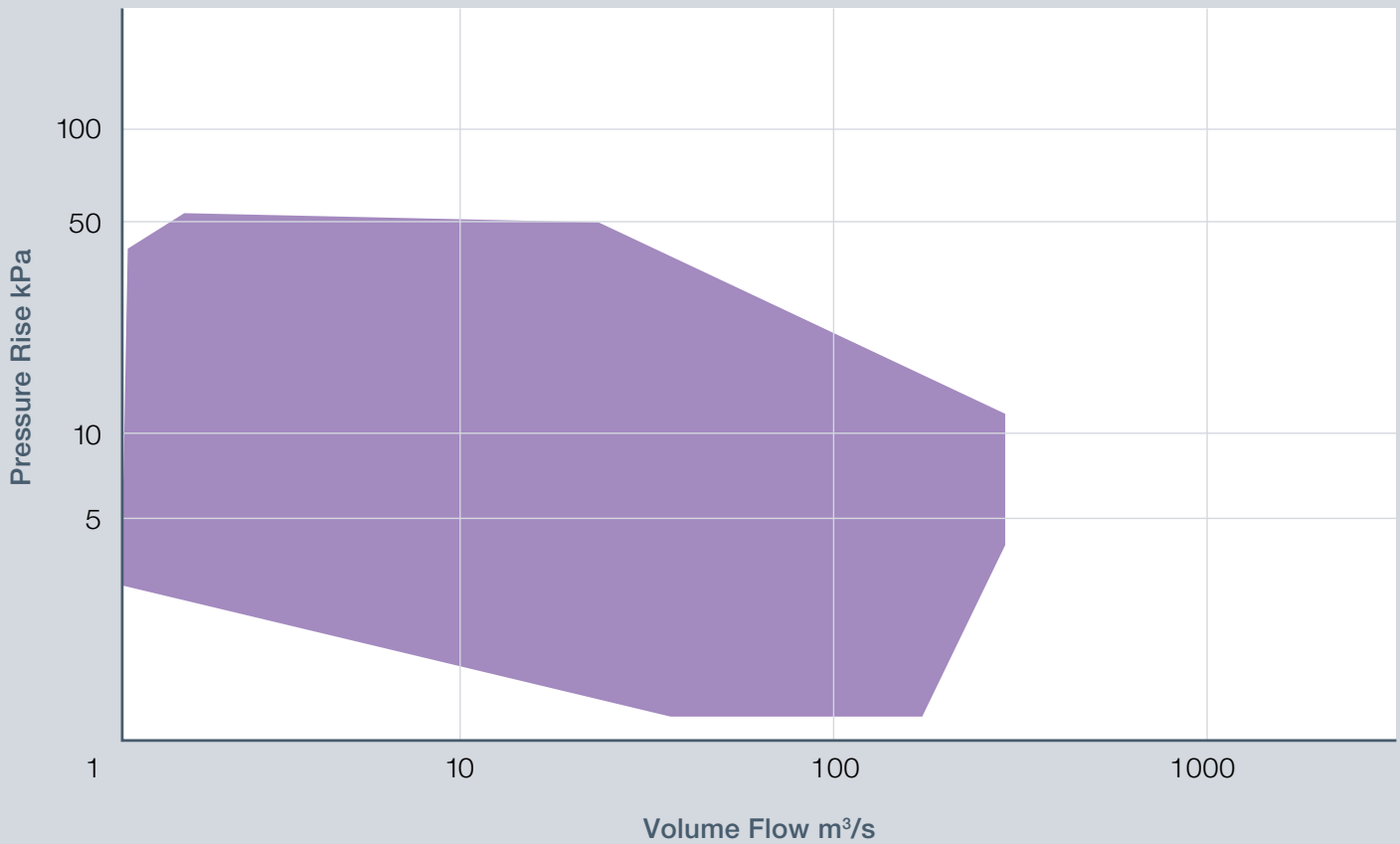
Having a wide range of fans suitable for industrial processes gives design engineers flexibility to match duty conditions based on performance efficiency and economics. Howden's engineering expertise increases this capability with high levels of customisation offered beyond standard designs. Our engineers fully support the selection process to optimise the final design.

Continuous reliable performance is assured due to materials designed to withstand the handling of corrosive gases. Impeller material options include aluminium, high-strength fine-grained steel, stainless steel or compound steel, as defined by application requirements.

Fans can comply with appropriate classification standards as required, such as ATEX and API (673 and 560) or customer specific requirements.

A full fan package is available using market-leading sub-components such as drive and gearbox, control systems, oil stations and silencers; all of which can be delivered as a turnkey installation through Howden's service network.

Performance envelope: Centrifugal fans



Our experience

Howden has supplied hundreds of fans serving chemical production facilities across the world. These include the production of nitrogen and phosphorous fertilizers, chlor-alkali, industrial gases and sulphuric acid.

A portfolio of high performance process equipment

Our centrifugal fans are just one part of a broader product range. Our fans, blowers and compressors are trusted throughout the industry serving processes within chemicals production, storage and transfer

Product Series/Brand	VR/Core Range/Technopal	SG	ExVel™	Roots™	Burton Corblin™	Thomassen	WRV
Type:	Centrifugal fan	Turbo blower	Turbo fan	Rotary blower	Diaphragm compressor	Reciprocating compressor	Screw compressor
Typical applications:	Boiler air supply and off gas, process air and gas	Process air and gas	MVR and process air	Process/utility air and gas	Hydrogen and gas boosting		Process cooling, ammonia and tail gas
Max pressure:	50 kPa	100 kPa	100 kPa	240 kPa	300,000 kPa	60,000 kPa	7494 kPa
Max volume flow:	300 m³/s	120,000 m³/h	165 m³/s	120,000 m³/h	1,200 m³/h	34,000 m³/h	29,000 m³/h

For more information contact our team today:

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