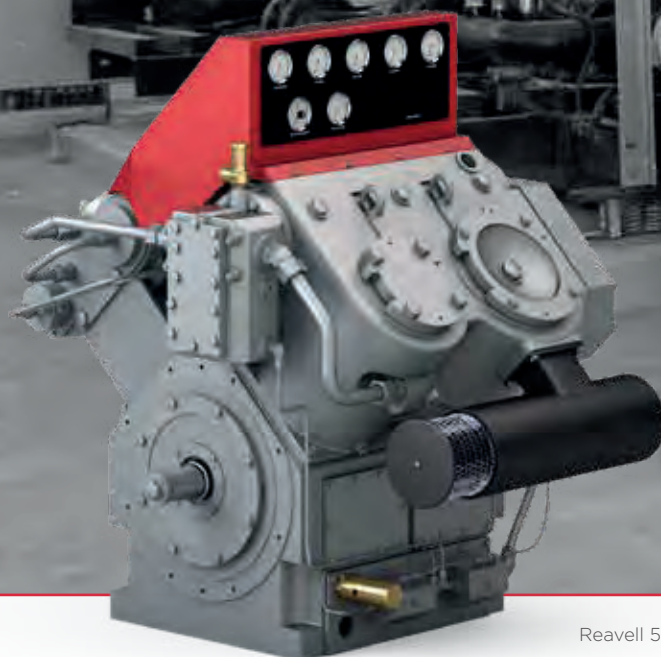


PERFECT PRESSURE SOLUTIONS

High Pressure Compressor Systems
for Industrial Applications



PERFECT PRESSURE SOLUTIONS



Reavell 5437

UNPARALLELED SYSTEM **RELIABILITY**, **MAINTAINABILITY** AND **FLEXIBILITY**

Perfect your pressure solutions with Reavell

PERFECT WITH PRESSURE

Building on a 120 year heritage, Reavell continues to maintain its position at the leading edge of compressed air technology. The engineers behind the first Scott-Reavell steam engine, patented in 1894, probably wouldn't recognise our current high pressure compressor range, but they would certainly identify with our relentless drive for technical excellence and quality customer service.

As part of the global Gardner Denver High Pressure Division, Reavell continually invests in research and development, with the goal of continuously improving the reliability and efficiency of our machines.

Our compact compressor solutions are designed to offer market leading, maximum output with minimum size and weight. They deliver unrivalled performance and peace of mind for customers operating in some of the world's most demanding environments - at sea, on land and underground.

INDUSTRY RELIES ON COMPRESSED AIR AND GAS. WITH UNPARALLELED SYSTEM RELIABILITY, MAINTAINABILITY AND FLEXIBILITY, REAVELL IS THE PERFECT PARTNER FOR YOUR COMPRESSED AIR AND GAS SYSTEMS.

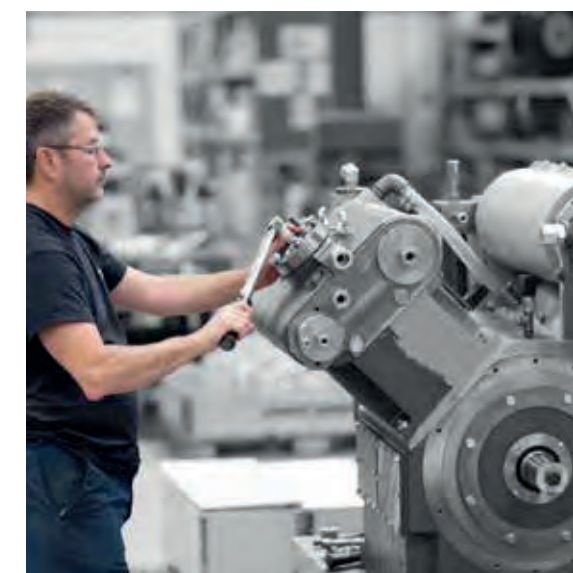
AIR AND GAS SYSTEMS YOU CAN RELY ON

Reavell is a world renowned name in industrial compressor supply. It's a name built on over 120 years of supplying the most reliable compressors on the market. From the pioneering compressors supplied to the world's navies since 1905, to today's compressors that support the most critical industrial applications, Reavell compressors are set apart by their reliability and longevity.

Not only are Reavell compressors reliable, our engineers have ensured that when preventative maintenance is required it can be carried out in the most cost effective way possible. Whether it's single tool high pressure valve replacements or replaceable cooler stacks, our compressors can be maintained quickly and easily, ensuring a longer service life.

Offering a flexible, reliable and maintainable source of compressed air and gas, Reavell compressors are used across a range of industrial markets.

- Aerospace
- Automotive
- Building Products
- Power Generation & Distribution
- Component Testing
- Electronics
- Universities & Research



RELIABLE PRESSURE SOLUTIONS

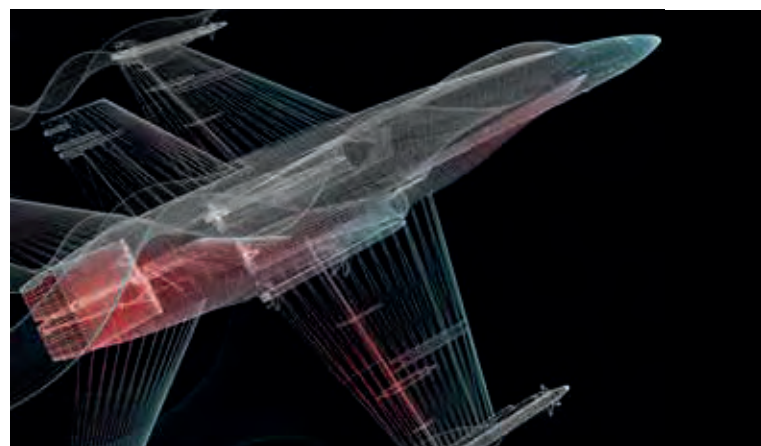


RELIABLE BEYOND LIMITS

Reavell has been supplying compressors to critical industrial applications for 120 years. Originally operating from the Ranelagh Road factory in Ipswich, Reavell are proud to have played an integral in the modernisation of the City of London - with backup generator starting compressors providing the backbone of the London Stock Exchange and the Bank of England, and train braking compressors delivering extreme reliability on the revolutionary London Underground.

Today Reavell is a truly global company. Its compressors are specified anywhere where reliability really matters. Air compressors for emergency flood control pumping systems protect homes and businesses in the USA; hydrogen compressors for turbine cooling and air boosters support large scale metal manufacture in China; and turbine control and air blast switch gear compressors support renewable energy applications in every corner of the globe.

It's testament to the reliability and longevity of our compressor systems that throughout this time we have built and maintained relationships with some of the world's leading companies and organisations.



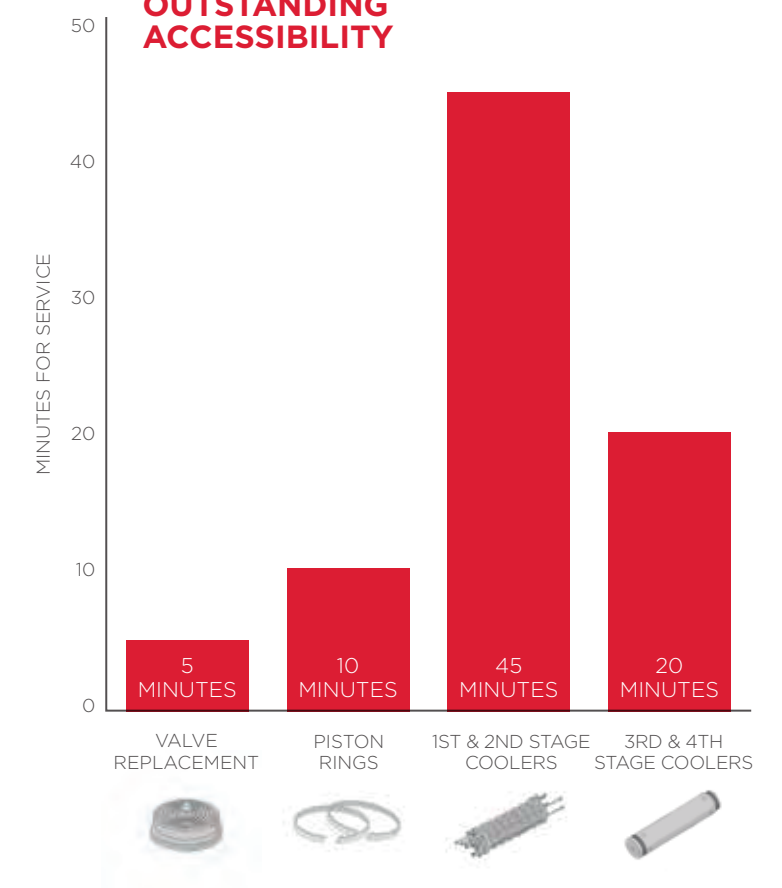
MINIMUM DOWNTIME

Reavell's dedicated engineering team ensure that our compressor designs have the ideal balance of a compact footprint, whilst ensuring that critical components are easily accessible. This guarantees that downtime during servicing and maintenance is kept to a minimum, as illustrated in the graph on the right.

1,500 HOUR SERVICE INTERVALS

Reavell compressors come with market leading service intervals of up to 1,500 hours. We provide preventative maintenance kits that are specifically designed to minimise costs. The kits include everything from minor air end servicing down to running gear overhauls. Not only will your machine run longer between services, but it will also be running long after competitor machines have had to be replaced.

OUTSTANDING ACCESSIBILITY



CONFIGURED PRESSURE SOLUTIONS

CONFIGURED PROJECTS

Through our configured product offering we can satisfy many industrial air and gas requirements. From 4 to 90 kW, and 20 to 414 barg delivery pressure, our comprehensive product offering combines air and water cooled compressor technology with market leading ancillaries to give you a total compressor solution.

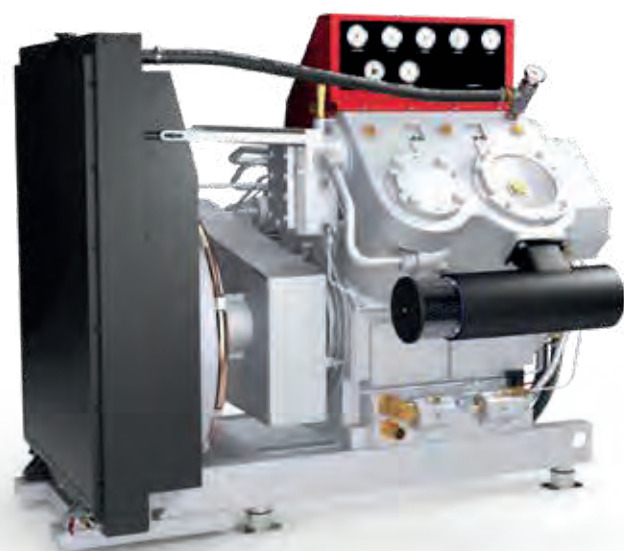
ROBUST, STRAIGHTFORWARD SOLUTIONS

Offering a robust frame for air cooled machines up to 22kW, the HAI configuration includes an ergonomically mounted gauge panel to simplify daily checks. With anti-vibration mounts as standard no dynamic loads are transferred through the floor, meaning there are no special foundation requirements. Additional lifting lugs and the ability to move on a suitable forklift make installation and servicing of these units as simple as possible.



FLEXIBLE, RELIABLE, MAINTAINABLE

The Reavell 5437 offers performance flexibility, reliability and ease of maintenance. Shown here configured as a belt drive – exactly matching flow rate to customer request, and with an air blast radiator – offering water cooled performance and reliability without the need for an external cooling water system. This configured package offers durability where it matters most.



QUIET, CONTROLLED, FLEXIBLE

With all the benefits of the HAI range, the HQI offers an additional sound attenuated enclosure to allow installation in any workspace. The standard controller allows configuration of running parameters, giving service interval information and relevant warnings. An underslung, belt driven motor ensures the customers flow rate can be matched exactly and an integrated pressure maintaining valve and drain system ensures your compressor block runs reliably throughout its life.

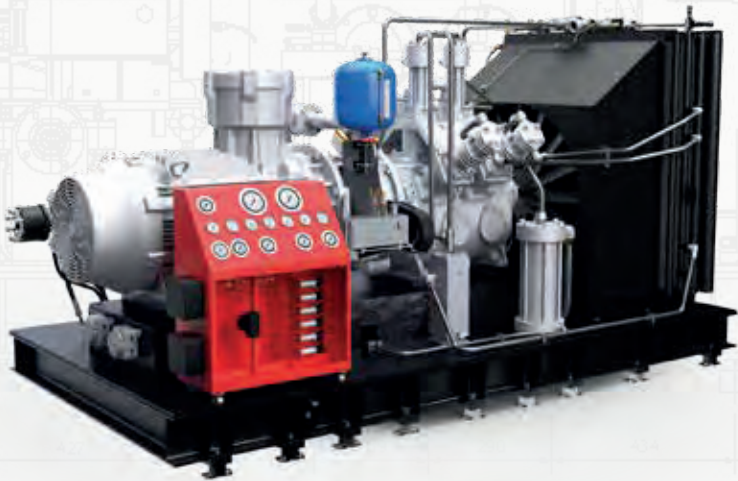


COMPLETE PRESSURE SOLUTIONS

REAVELL RANGE PERFORMANCE DATA

With a wide range of performance options, ensuring integration with a variety of systems, you can be sure that Reavell has the industrial solutions to fit your requirements.

			DELIVERY PRESSURE		FLOW RATE		MAXIMUM MOTOR POWER	ELEVATED COMPRESSOR INLET		MAXIMUM BOOSTER INLET PRESSURE *	
			Minimum	Maximum	Minimum delivery pressure	Maximum delivery pressure		Maximum Inlet Pressure	Flow rate at maximum delivery pressure		
			barg	barg	m³/hr	m³/hr		kW	mbarg		m³/hr
LOW PRESSURE	AIR COOLED	5204	16	40	2.9 > 6.8	2.7 > 7	2.2	140	3.1 > 8	n/a	
		5205	16	40	6.5 > 15.5	5.8 > 14.2	4	140	6.6 > 16.2	n/a	
		5207	16	40	12.5 > 26	11.5 > 24.4	7.5	30	11.8 > 25.1	n/a	
		5209	16	40	26 > 43.5	24.1 > 40.7	11	30	24.8 > 41.9	6	
		5211	20	45	26 > 62	24 > 57.1	15	30	24.7 > 58.8	n/a	
		5213	16	31	27.9 > 66.5	26.5 > 64	15	30	27.3 > 65.9	n/a	
	WATER COOLED	5212	10	35	25.1 > 63.7	22.3 > 57.9	15	140	25.4 > 65.9	n/a	
		5217	10	40	57.5 > 136	50.5 > 125.6	30	140	57.5 > 143	7	
		5236	10	40	135 > 313	125 > 291	75	140	142.3 > 331.2	7	
		5242**	17	35	171.5 > 285	170 > 282.5	110	1000	337.8 > 561.4	10	
INTERMEDIATE PRESSURE	AIR COOLED	5307	40	80	15.6 > 28	14.7 > 26.5	11	30	15.1 > 27.3	6	
		5309	40	80	24.2 > 43.5	23.3 > 42	18.5	30	24 > 43.2	4	
		WATER COOLED	5317	40	85	27.8 > 67.1	26.7 > 64.6	18.5	1000	53.1 > 128.4	6
	5337		40	85	68 > 159.7	66.3 > 156.5	55	1000	131.7 > 311	6	
	5342**		17	80	152 > 292.9	146.2 > 281.8	75	1000	290.5 > 560	10	
	HIGH PRESSURE	AIR COOLED	5404	85	350	6.4 > 8.3	5.4 > 7.3	4	70	5.8 > 7.8	n/a
5405			85	350	9.3 > 12.2	8.1 > 11	5	30	8.3 > 11.3	n/a	
5405E			85	350	9.2 > 16.4	8.3 > 15	7.5	30	8.5 > 15.4	n/a	
5407			160	350	12.4 > 26.8	11.8 > 25.5	15	400	16.5 > 35.6	5	
5407H			160	414	12.4 > 26.8	11.8 > 20.8	15	30	12.1 > 21.4	5	
5409***			150	350	19.9 > 44	19.2 > 42.5	22	400	26.8 > 59.3	4	
5409H			160	414	19.9 > 43.3	19.2 > 41.8	22	30	19.8 > 43	4	
WATER COOLED			5417	140	350	27 > 67.6	25 > 65.5	30	1000	49.7 > 130.2	6
			5437	140	350	65 > 159.2	64.1 > 156.9	90	1000	127.4 > 311.8	6.5
		5437H	160	414	75.8 > 157.3	64.1 > 133	75	1000	127.4 > 264.3	6.5	
		5442**	100	350	153.6 > 369.7	144 > 346.7	150	1000	286.2 > 689	10	
		CUSTOM ENGINEERED	AIR COOLED	5450**	2.5	414	437.5 > 874.4	143 > 285.8	185	1000	284.2 > 567.9
5470**				2	414	638.4 > 1276.8	273.2 > 546.4	250	1000	542.9 > 1085.8	18
WATER COOLED			5460**	2	414	866.9 > 1719.2	194.9 > 386.5	250	1000	387.3 > 768	18



BESPOKE, RELIABLE, EFFICIENT

The Reavell 5470 has been a staple of the Reavell range for over 20 years. Having been through several enhancements during this time it is one of the most reliable and proven configurable compressor air ends on the market. Designed for use with most gases, the baseplate mounted direct drive system not only offers maximum reliability but also optimum system efficiency.

Performance data is shown in the accompanying table.

CUSTOM PRESSURE SOLUTIONS

CUSTOM ENGINEERED PROJECTS

At Reavell we realise your application is unique, with its own challenges and requirements. We pride ourselves on understanding the complex solutions our customers require, and custom build bespoke machines, tailored to your specifications.

BESPOKE, WATER COOLED, COMPACT

The Reavell 5460 is a truly customisable and reliable water cooled compressor system. Rated at 250 kW, with 6 cylinder lines and a choice of 18 cylinders for each, it offers final delivery pressures from 2 to 414 barg, flow rates from 195 to 1720 m³/hr and can run as a zero loss booster up to 18 barg inlet pressure. Designed for use with most industrial gases, and with ultra-compact cooler separators installed on a common baseplate, this compressor system offers a remarkably small footprint with Reavell's customary reliability and maintainability.



DURABLE, MAINTAINABLE, ATEX CERTIFIED

The Reavell 5337 offers all of the flexibility, reliability and maintainability of the market leading 5437, but with a reduced pressure rating of 85 barg. Shown here engineered to a specific customer request for a spent caustic oxidation application to be installed within a hazardous area of a refinery. The package was designed to fit into an existing space, including footprint and existing electrical, delivery air and cooling water connections. The Reavell solution offered the additional benefit of a closed circuit plate heat exchanger allowing 70% of the absorbed power to be recovered.



COMPLETE AND COMPACT, TURNKEY SYSTEMS

The Reavell 5213 is our largest medium pressure air cooled machine, rated at 31 barg and 15 kW. Shown here specified as a 20 barg, 66 m³/hr air compressor used for component testing, with integrated forklift slots, a 3°C dew point dryer, control panel and 500 litre storage vessel. All of the equipment is installed on a common baseplate, which combined with the integrated forklift slots and common control panel for all components, make this a truly 'plug and play' solution that can be installed, commissioned and moved with minimum effort.





SPECIALIST PRESSURE SOLUTIONS

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QUALITY - WHEN IT MATTERS MOST

At Reavell we aren't like other industrial compressor manufacturers, we support specialist compressed air and gas requirements across industry, and that means we can offer you more.

All of our compressors are designed and manufactured in our UK factory, meaning we don't purchase third party compressor components or sub-assemblies. Because we design and specify

every component to our exacting standards we know the limits of our machines, and we're happy to take our compressor systems further than anyone else - whether it's explosive environments, sub-zero temperatures, or any other critical application.

SERVICING AND MAINTENANCE

Maintaining your investment is an important consideration, and with a Reavell compressor you can be sure you've got the edge over the competition.

Our compressors come with service kits designed to minimise costs, covering minor air end servicing, right down to running gear overhauls.

ATEX Certified

All compressor designs have been ATEX assessed, and can be supplied with ATEX certification and a temperature rating of T2

3.1 Material Certificates

For critical applications, 3.1 material certificates are available on pressure retaining parts across the range, giving complete material traceability

Operation Below 0°C Ambient

All compressors can operate at ambient temperatures down to -10oC, with sump heaters available on all models rated above 5 kW

		RUNNING HOURS/ SERVICE KIT						
		100	1500	3000	4500	6000	7500	9000
COMPRESSOR	5236	HSK2283	HSK2291	HSK2305	HSK2313	HSK2321	HSK2291	HSK2356
	5317	HSK3883	HSK3891	HSK3905	HSK3913	HSK3921	HSK3948	HSK3956
	5342	HSK1015	HSK5711	HSK5754	HSK5746	HSK5754	HSK5711	HSK5762
	5437	HSK1201	HSK1228	HSK1236	HSK1252	HSK1244	HSK1228	HSK1260

For more information on our service kits, visit www.gardnerdenver.com/highpressure/parts-and-service

SUPPORTIVE PRESSURE SOLUTIONS

REAVELL - YOUR SPECIALIST PARTNER

At Reavell we value our partners, and we know that every relationship is unique.

Speak to your local Reavell sales representative about the industrial solutions available within the Gardner Denver family.



REAVELL TRAINING DAYS

Reavell have supplied high pressure piston compressors for over 100 years. And not only that, throughout our history we have offered solutions at every level of industry, supplying air ends to OEMs, semi complete packages to integrators, and complete turnkey packages to end users.

This unique position means we understand the market requirements and challenges faced at every level. So our unique industrial compressors offer you the flexibility to develop a system unique to your brand, but with all of the reliability

of a premium industrial machine built in - that's why all of our boosters can be delivered with extra or modified equipment to ensure they fit into your system as efficiently as possible.

What's more, our engineers have minimised the module footprint, giving you maximum freedom to ensure your system is lightweight, compact, and includes plenty of space for maintenance.

Speak to your local Reavell sales representative today to find out more about our range of world class industrial compressors.



REFURBISHMENT CAPABILITIES

Depending on the planned lifetime of your systems, replacing compressor units is not always a suitable option. Our refurbishment engineers have supported key customers across industry

and military applications for decades, so you can be sure that with Reavell - your total system will be supported for its life.

REAVELL TRAINING DAYS

At Reavell we're proud of our products - and we like to show them off!

Our range of factory training days cover everything from important health and safety requirements and industrial basics right up to in depth machine maintenance training and market and application focussed sales training.

What's more, because we value our partners we can design a bespoke training course around your requirements. So whether it's sales training centered on technical features and USPs or hands-on maintenance training for your engineers, we can offer the course for you.

All supported by our brand new factory training centre, opened in 2017, and available at a time and place that suits you, speak to your local Reavell sales representative today to book your place.



PERFECT PRESSURE SOLUTIONS

HIGH PRESSURE SOLUTIONS

High Pressure Compressor Systems for Industrial Applications

PERFECT WITH PRESSURE

Unparalleled system reliability, maintainability and flexibility. Perfect your pressure solutions with Reavell

RELIABLE AND MAINTAINABLE

- 120 years of reliable compressor supply.
- Market leading service accessibility.

CONFIGURABLE OPTIONS

- Comprehensive, flexible product range including air and water cooled compressor technology.
- Simple, straightforward solutions.
- Vibration and sound reducing options available.

BESPOKE DESIGNS

- Custom built bespoke machines, tailored to your specification.
- Complete and compact, turnkey systems.
- All major 3rd party certifications available.

oneair™

SINGLE SOURCE
INDUSTRIAL
AIR SOLUTIONS

For more than 155 years, Gardner Denver has been a leading global provider of compressors, blowers and vacuum pumps. OEMs and end-users from every corner of the world rely on us for their business solutions.

With global teamwork, strong customer focus, and vast application knowledge, our brands provide reliable, energy-efficient products that serve a wide range of manufacturing and process industries.

GARDNER DENVER REAVELL OFFER SOLUTIONS FOR:



BREATHING
AIR



BREATHING
GAS



NITROGEN
BOOSTING



CNG &
BIOGAS



ENGINE
START



INDUSTRIAL
AIR & GAS



MARINE
& OFFSHORE



DEFENCE



Our Sales and Service trade counter in High Wycombe.



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