“COMPRESSED AIR TECHNOLOGY FOR A WORLD UNDER PRESSURE”
INDUSTRIAL COMPRESSORS

HPC Rotary Screw

HPC compressed air equipment is designed and engineered with the quality and forethought required to meet the demands of today’s rigorous manufacturing, industrial and automotive applications. HPC screw compressors are renowned throughout the British compressed air industry for their long-term reliability and efficiency. Investment in an HPC compressor, is an investment for the future. We offer HPC compressors from 7.5 Bar and 11.1 cfm up to 15 bar and 2122 cfm. We also offer frequency controller options and basic controllers with the HPC compressors. Unique to our partnership with HPC is our “No Quibble,” free of charge 5 year warranty scheme, which up until now is still unmatched by the competition.

PROFESSIONAL COMPRESSORS

REP Air-Star

Not all applications require a compressor to be in use “24/7” and for intermittent workshop and mobile use, REP have specified a range of cost effective, piston machines which are reliable, effective and produced for us by one of Europe’s leading manufacturers. All are built to stringent European Standards and are not to be confused with some of the “cheap and cheerful” imports from the Far East! These compressors fully conform to our safety standards, are fully guaranteed, competitively priced and more importantly, we can offer continued spare parts and service support.

HEAVY DUTY CAST IRON COMPRESSORS

Stenhoj Reciprocating

Since REP Air was established in 1976 we have supplied and serviced the Stenhoj range of Piston Compressors. Ideally suited for the demanding automotive workshop and tyre trade market. These smooth running, hard working, reliable pumps have now become a popular replacement item for the Water Industry. At the heart of each machine is a slow revving cast iron cylinder block ensuring a long and trouble free service life. The extensive range includes receiver and base mounted options and also offer high pressure versions up to 30 bar.
High Pressure Compressors

Diving & Air Breathing

For applications requiring very high pressures up to 300 bar we have introduced this range which compliments our repertoire of compressors. This comprehensive range includes both petrol and electric driven units which are suitable for air breathing applications such as scuba diving, bottle filling and Fire Services use. The smaller units have been particularly popular in modern air-rifle clubs. Petrol powered models are relatively light weight making them easy to transport to site for local refilling situations.

Oil Free Dental and Laboratory Compressors

REP-Cleanair

Cleanair compressors do not use oil as a lubricant and are therefore perfect for installations where clean compressed air is necessary. For surgeries, laboratories, clean rooms, and other critical applications, Cleanair compressors provide a reliable and efficient source of compressed air to a variety of quality dependant applications. Available as standard units or with absorption dryer and optional acoustic cabinets, Cleanair is the choice for compact low volume installations. This range can be used as part of a system to comply with HTM 2022 - Dental Air Quality requirements. We can specify and supply systems which include stainless steel biological filters in addition to our high efficiency filter range.

Vacuum Pumps

Busch, Becker, HPC

We offer a range of oil flooded or dry running pumps suitable for printing process applications and the food industry. Our range includes low pressure blowers for bulk powder transport systems, and also evacuators for the sewage treatment industry. We can install centralized systems for vacuum and low pressure air which can prove highly effective in reducing both the energy and maintenance costs associated with multiple pump installations.
The Water Resources Act stipulates the regulations for the prevention of pollution into water courses. The discharge of compressor condensates is prohibited without suitable processing, that means waste water containing typically more than 20 mg/l mineral oil is not allowed to be released into the drainage system. The legislation demands water processing corresponds at the very least to the “generally accepted engineering standards”. This means a reduction to max. 20 mg/l for hydrocarbon as a guide parameter for mineral oils. Regionally, these values may be significantly lower. The oil-water separators from ÖWAMAT® have established themselves as the standard and offer “state-of-the-art” condensate management.

Transair Pipework
Thanks to its large choice of sizes in Ø 100 mm, Ø 76 mm, Ø 63 mm, Ø 40 mm, Ø 25 mm and Ø 16.5 mm and range of accessories, the Transair® system meets the requirements of numerous industries. Transair® enables elimination of the problem of rust, usually associated with steel air pipe systems by complete absence of corrosion (self protection by formation of aluminium oxide). The inner surface of Transair® ensures constant quality clean air continuously. Transair® also protects industrial equipment against rust and rusting, thanks to quick assembly brackets with integral upward loop. Transair’s technology is well known for its high performance.

Installations
We design and install traditional steel pipework using our own in-house pipewrights with over thirty years experience. We work with our clients to recommend a solution which is both cost effective and relevant to your compressed air piping requirement. No job is too big or too small for REP Air.

Dri-Line Air Dryers
Water comes from the air that originally entered the compressor. Although it entered as a harmless vapor, it changes its state during compression and after cooling can result in water droplets forming which in turn causes all the associated problems. Installing a REP Air Dri-Line dryer within the system will prevent the problem by removing harmful water and return only clean dry air into the network which will ensure the plant will operate efficiently and reliably. Many refrigerated dryers may look the same but the new REP Air Dri-Line range is far from being just another dryer. The use of the latest and highly efficient stainless steel plate type heat exchangers, designed into a dryer that is simple to operate and will keep doing its job reliably for many years.

Öwamat Oil-Water Separator
The Water Resources Act stipulates the regulations for the prevention of pollution into water courses. The discharge of compressor condensates is prohibited without suitable processing, that means waste water containing typically more than 20 mg/l mineral oil is not allowed to be released into the drainage system. The legislation demands water processing corresponds at the very least to the “generally accepted engineering standards”. This means a reduction to max. 20 mg/l for hydrocarbon as a guide parameter for mineral oils. Regionally, these values may be significantly lower. The oil-water separators from ÖWAMAT® have established themselves as the standard and offer “state-of-the-art” condensate management.
BEKOMAT® from BEKO has become the industrial standard because of its high reliability and particularly because it offers energy-saving operation without loss of compressed air. Compared with float drains, BEKOMAT® has decisive advantages, especially since it: functions unaffected by dirt, resulting in reliable operation; is equipped with a fault signal; requires very little maintenance; and, has large cross-sections to prevent emulsification BEKOMAT® is superior to solenoid valves due to its in-built fluid level sensing because it operates only when liquids are present.
**AIR TOOLS**

**CP-Desoutter**

Our success to date in becoming one of CP’s fastest growing distributors, is all due to the commitment of our sales staff finding our clients the correct tool, for the correct application - at the right price! This is so important, considering the implication of current Hand & Arm Vibration Legislation. We stock a vast range including drills, screwdrivers, cutters, needle de-scalers, impact wrenches and ratchets and all are of suitable quality for automotive, aerospace and industrial applications. After sales support includes air tool service, repairs, testing, tool hire and full range of spare parts and accessories.

**ReFINISHING Systems**

**Binks / Devillbiss**

We offer in-house specialist advice in product refinishing and supply a full range of spray-guns in HVLP, gravity feed, syphon cup and pressure feed varieties. From the smallest studio airbrush to high pressure electric or air driven airless pumps for high volume product finishing REP can cover everything. We supply and install wet and dry back spray-booths, curing ovens, conveyor tracks and electrostatic units. We also sell, service, and install complete painting systems including extraction booths, ovens, and conveyors.

**FastENING TOOLS**

**BEA-Lobster-FAR**

For many years REP Air have offered a large range of staplers, nailers, tackers, strip-nailers, coil-nailers, pinners, bradders, fastening and glueing equipment by BEA. We keep customer specific stocks of consumable items and spare parts on the shelf. Not forgetting the service and repair support required, we also offer hire and loan equipment. For industrial and automotive assembly we recommend Lobster and FAR brand pneumatic riveters, nut-sert tools and heavy duty bolting systems. Hire tools are available in the event of service and repairs, although we always try to turn round your repairs quickly.
Hiring a compressor or system is useful in the short term to cover for existing equipment out of commission or for extra short term production needs. In the longer term, many of our clients see the benefits in paying a fixed monthly fee for their air requirements leaving the service and maintenance responsibility with us. Company accountants like the fact that there are no capital costs or depreciating assets on the balance sheet and no unexpected breakdown costs to bear. Resources can thus be prioritised to more important production machinery. The air supply is looked upon as another utility and the cost is 100% deductible against tax. Long term Contract Hire can be as low as £10 per week. Our Hire fleet comprises of outputs from: 10 cfm - 2500 cfm and pressure from 7 - 20 bar. We can provide air quality up to ISO 8573-1 1.1.1

Contact us now to discuss your exact requirements.
Compressed Air Facts

FACT: Many rotary screw compressors can cost more in energy bills than their original installed value in the first year
FACT: Most factories in the UK waste 30% of the money they spend to generate compressed air!
FACT: 1% more power is required for each 2 psi of pressure generated, to overcome pressure drops caused by downstream components - dryers, filters, and poorly installed and maintained air systems
FACT: A 6mm diameter open hole will cost approximately £5000 per year
FACT: A £50 per year air leak can neither be felt nor heard
FACT: A £200 per year air leak can be felt but NOT heard
FACT: If you can feel and hear an air leak it is costing around £350 per year
FACT: 90% of the input energy into an air compressor is wasted. 70% of this wasted energy can be recovered for useful purposes

If you think you are “blowing” your profits call us to find out how we can help.

Energy Audit

We offer ultrasonic leak detection surveys at affordable rates. Using state of the art technology, we can provide your company with an in-depth Air Demand Analysis to ensure optimal performance or suitability of your system. In many cases this service can be completely free of charge, and our experience tells us the in 99% of case histories the cost of such surveys is repaid many times over.

NB: The above figures are approximations and will vary due to local ambient conditions

VISIT US AT WWW.REP-AIR.COM

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