

# Engineered Quality Assured Performance

## Compressors designed and produced to meet the needs of the dentist

Drawing on 20 years experience in oil-less compressor technology, DenComp compressors are designed to provide today's demanding dental practice with clean, dry air coupled with simplicity, quality and reliability rarely found in today's market.

Central to this is the requirement that the air compressor must be unobtrusive, supplying high-quality air to the surgery, meeting the needs of hygiene for patients, and minimising contamination to instruments.



### Providing the power to the surgery

Powered by an efficient, low-speed electric motor, the main advantage of the DenComp compressor pump is a traditional high quality crankshaft mated to precisely engineered skirted pistons and rings. This ensures long life, high performance and reliability with minimal specialist maintenance.

The precise balance of the multi-cylinder oil-less pump benefits smoothness, and low running speeds keep the noise levels of even the standard machines impressively low.

Finally, oversized cooling fans help to control the pump temperature, reducing wear and increasing air output.

### Air quality that's just right

All compressors produce water as part of the mechanical process of drawing in atmospheric air and compressing it to high pressure. Added to the naturally present dust and dirt, this makes for poor quality supply to the high quality turbine hand-pieces in use today.

Having established the integrity of the pump, the air must still be treated prior to being stored for use in the internally coated, corrosion resistant air receiver.



All DenComp dental compressors incorporate a regenerative desiccant dryer. Moisture laden air enters the dryer, passing into a bulk water pre-separation unit. Secondary drying occurs as the air travels through absorbent desiccant crystals to achieve a dewpoint  $>-20$  degrees c. After each completed cycle the dryer purges and the crystals are regenerated. Clean, dry air is then stored in the air receiver ready for use.

## A model for all occasions

Positioning the compressor in a suitable area is sometimes challenging. A plant room away from the surgery is ideal but sometimes that's just impractical. Thanks to low running speeds and high quality engineering, all DenComp compressors achieve noise levels  $<68$ dB(A), allowing more options with location.

When extra-low noise is required, the DenComp LN range is purpose built to bring down levels to an incredible 57dB(A). Additional cooling fans independently control the temperature inside the acoustic cabinet, ensuring that the high quality of the air is not compromised while maintaining performance.

### Share in our confidence

Manufactured to exacting European standards including ISO9001, CSQ Med and IQNet, DenComp compressors are protected by a comprehensive 12 months parts and labour warranty extended for a further two years on all mechanical parts. This guarantee is supported by a nationwide after-sales service and comprehensive parts supply.

### Enhancing air quality further

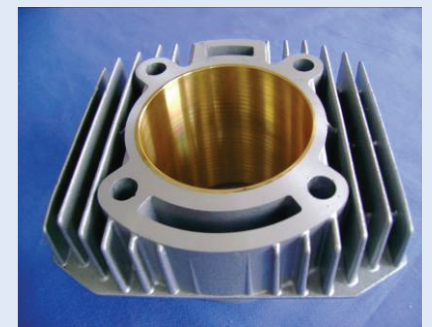
Recent recommendations from the BDA (British Dental Association) and the BCAS (British Compressed Air Society) specify additional high grade particle and bacteria filtration.

DenComp breathing air and sterile filters, mounted downstream of the compressor, exceed these requirements ensuring total air quality and hygiene for complete piece of mind.

### The complete solution

Whether the application is dental, scientific, laboratory or veterinary, DenComp oil-less compressors meet and exceed industry standards.

Choosing a DenComp compressor is a cost-effective solution to meeting the compressed air requirements of a modern surgery. Simply switch on in the morning and off again each night (no further day-to-day attention is required) and enjoy assured reliability and service for many trouble-free years.



*High standard engineering evident in quality of piston, con rod, cylinder and valve plate assembly*



*Additional filtration increases air quality to meet BDA & BCAS guidelines for dental surgeries*