

Single Stage Oil Free Airends

Decades of experience in the construction of compressor design enable us to deliver leading oil free air screw compressor airends. The compressor stage is directly flanged onto a gearbox, resulting in an integral solution including oil-tank, oil-pump and oil-filter. Protection of corrosion in the compression chamber is reassured with the application of unique ULTRACOAT.

Features

The CD.Srange consist of single stage, gear driven and oil-free screw compressor blocks,

which can be used for general industrial applications and specialized markets such as pneumatic conveying, jet starting applications, N2 generation and bulk tanker ship unloading.

For Jet Starting applications we offer the following air ends sizes: CD23S, CD26S, CD42S, and CD72S1.

Ultracoat

Using Ultracoat in our oil free compressors is the key to their reliability, long life, and excellent efficiency. The outstanding efficiency of our dry-running screw compressors is down to our coating (Ultracoat) which we use for coating our rotor profiles, sealing journals, housing bores, and end covers.

This coating fulfills two essential requirements:

- One is for improving the efficiency which also reduces discharge temperature of the air end, increases volume flow, and decreases power consumption.
- In addition, this coating offers highly efficient corrosion protection even under extreme conditions at 270°C.



In order to achieve high efficiency, the Ultracoat sacrificially wears during the first test run. This is like lapping in components that ensure that the clearances are as small as possible and this, among other things, is what makes our oil free machines so efficient.

Starting in 1991, GHH-RAND did extensive work with the research department of a world acclaimed University with the goal to develop the best coating in the industry. In early 1995, we then finalized its development in cooperation with a well-known manufacturer of coatings, where we came up with one of the best solutions with exceptional bonding qualities. This gave us the efficiency, durability, and long life that we needed, and "Ultracoat" was born.

To this day we remain committed to giving our customers the best possible oil-free air end and, as technology advances, we continue to further develop our high-performance coating systems. Put simply, Ultracoat is the best dry screw coating available.



About Ingersoll Rand Inc. Ingersoll Rand Inc. (NYSE:IR) driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency. For more information, visit www.IRCO.com.