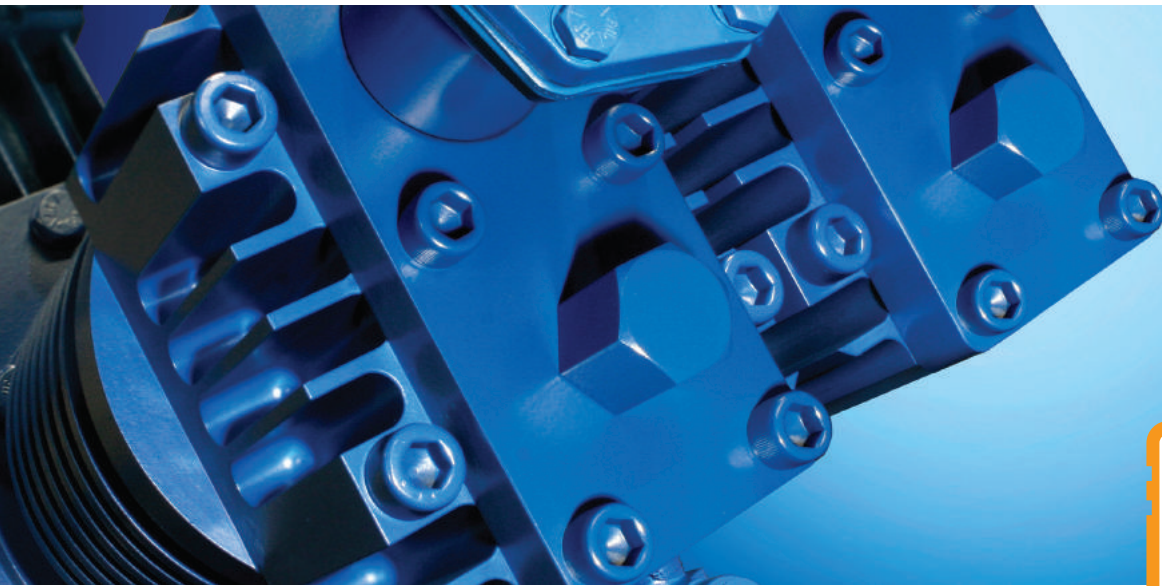


## OIL FREE AIR COMPRESSORS



**When you need oil free air above  
150 psig, call Hycomp.**

*Performance Under Pressure™*

### CAPABILITIES

Standard models to 250 psig  
Up to 100 HP  
1, 2 and 3 stage units available  
Flows to 150 scfm

### BENEFITS

- Air and water cooling available
- Pressure lubricated lower end for long bearing life, utilizing oversized bearings
- Oil Free upper end prevents the addition of oil vapor to the air stream and subsequent cleanup & removal
- Vertical crosshead design ensures oil free compression, and removes side thrust from piston rings for longer ring life
- Oversized intercoolers on multi-stage units ensure cool air to the second and third stages
- Heavy duty cast iron or machined steel cylinders and heads decrease warpage and provide vibration dampening
- Large, low lift stainless steel valves give longer life and higher efficiencies, and are quickly accessible without removing the cylinder head
- Piston rings are of extra thick, engineered polymers designed for air compressor applications
- Units are performance tested at the factory with minimum four hour test time, including simulation of customer specific conditions
- True continuous duty available



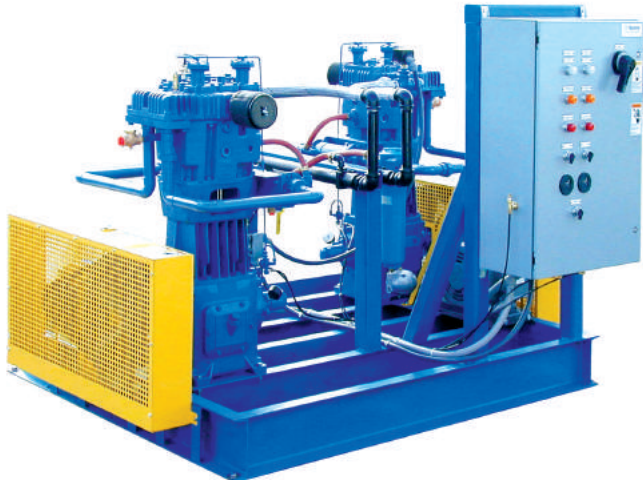
**True Continuous Duty**  
**oil free air**

HIGHER PRESSURES

*Trust... it's what we build.*

**Quality Compressors Since 1969.**

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**MODEL**  
2WN35 duplex

**INLET PRESSURE**  
Ambient

**GAS**  
Air, ambient

**DISCHARGE PRESSURE**  
220 psig

**CAPACITY**  
21 scfm, each

**INSTALLATION LOCATION**  
Lackland AFB, TX, USA

**MODEL**  
2AN137

**INLET PRESSURE**  
Ambient

**GAS**  
Air, Ambient

**DISCHARGE PRESSURE**  
125 psig

**CAPACITY**  
118 scfm

**INSTALLATION LOCATION**  
San Diego, CA, USA

**THE USER**

The United States Air Force.

**THE APPLICATION**

Feed air at 200+ psig for a nitrogen generation system, where the generated nitrogen is used in surgical rooms.

**THE PROBLEM**

Higher pressure air meant more efficient nitrogen generation, but the air needed to be oil free to prevent contamination of the nitrogen membrane. Standard oil-less compressors cannot produce 220 psig. Additionally, the reliability must be high, as the system is used to support surgical operations.

**THE SOLUTION**

A duplex Hycomp Air Compressor was installed. The units are water cooled with water cooled intercoolers and aftercoolers, to keep the discharge temperatures at a safe level and ensure no premature failures. Duplexing the units provides additional safety for the operating room.

**THE USER**

An environmental cleanup firm.

**THE APPLICATION**

Continuous, high pressure air for soil remediation and cleanup in an outdoor installation.

**THE PROBLEM**

The customer required truly continuous duty, but also needed oil free air, as the cleanup site was removing petrochemical contaminants already in the ground. Additionally, the site is located outdoors in a dusty environment, far from the end user, so reliability was a very important factor.

**THE SOLUTION**

A Hycomp Air Compressor designed and packaged to withstand the harsh running conditions while providing confident reliability was installed. The unit is packaged with complete safety controls and oversized intercooler & aftercooler. The reliability and industrial design of the Hycomp unit was very important to the customer.