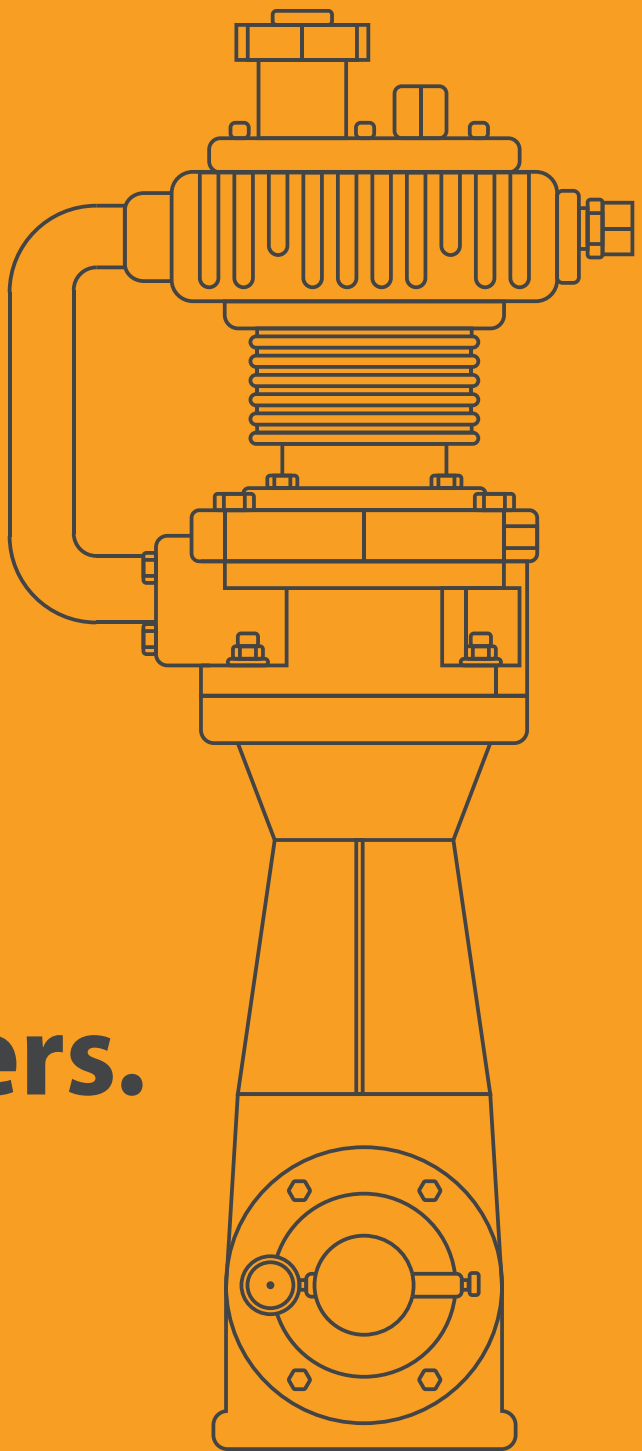
hycomp



We engineer, design, and manufacture

Odyssey Air & Nitrogen Boosters.

Odyssey Air and Nitrogen Boosters.

Trust, It's What We Build

Trust Hycomp's Odyssey line of Oil-Free Air and Nitrogen boosters for your critical project needs. Designed to prevent contamination and losses of the gas stream, these units provide worry free operation and a 20+ year life expectancy.

- **100% Oil-Free Gas Stream**
- **ISO 8573-1 Compliance Eliminates Risk to Product and Equipment**
- **Durable Cast Iron and Steel Construction**
- **24 Hour Duty Cycle**
- **Simple Annual Maintenance**
- **24 Hour Live Tech Support**
- **Made in the USA**

Single Stage

- Generally used for boosting 1.3 to 5 times existing pressure 5 to 75 HP
- 650 to 30,250 SCFH
- Up to 300 PSIG
- Air cooled (Water Cooled available upon request)

Two Stage

- Generally used for boosting 1.3 to 5 times existing pressure 5 to 60 HP
- 1,270 to 15,120 SCFH
- Up to 600 PSIG
- Air cooled (Water cooled available upon request)

The Compressor So Reliable, You'll Forget It's There.

Model	HP	Flow-SCFM	Pressure-PSIG
DS012	5.0	18	600
DS015	5.0	25	300
DS026	7.5	43	300
DS033	15.0	56	500
DS044	15.0	74	300
DS060	25.0	98	500
DS081	40.0	136	600
DS087	25.0	146	300
DS133	75.0	245	600
DS192	50.0	312	300
DS303	75.0	504	300
	5-75	**18-504**	**300-600**

Performance Under Pressure

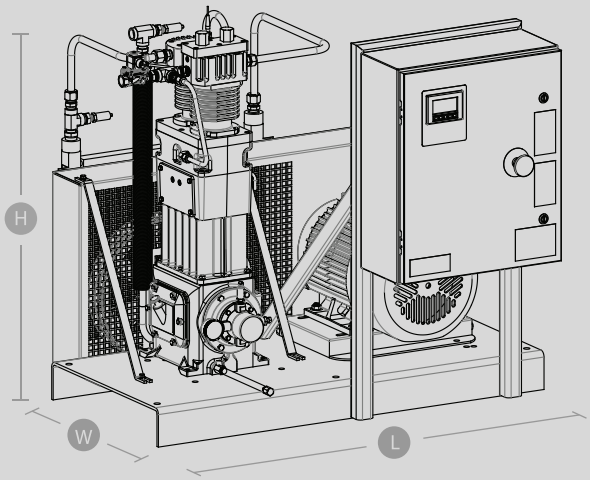
Odyssey Standard Product Range

Standard compressed air systems in industrial facilities are typically designed for pressures of 80 to 130 psig. When higher pressures are required it is very effective to use a portion of your plant air and apply an air booster to obtain the desired pressure.

Other methods of acquiring higher pressure air such as stand-alone air compressors, air amplifiers and increasing the pressure of the entire plant are more costly and less efficient.

Odyssey Markets and Applications

Model #	Package Dimensions, LxWxH	Estimated Weight, lbs
DS012	50" x 46" x 48"	850
DS015	50" x 46" x 46"	700
DS026	50" x 46" x 46"	700
DS033	50" x 46" x 48"	850
DS044	50" x 46" x 48"	850
DS060	52" x 46" x 54"	1400
DS081	56" x 54" x 58"	2000
DS087	52" x 56" x 56"	1100
DS133	72" x 68" x 66"	2900
DS133HP	72" x 64" x 66"	2900
DS192	72" x 68" x 66"	2500
DS303	72" x 66" x 66"	2600



Aerospace – Autoclave (Inerting), Pressure Testing, Tire Filling.

Automotive – Engine (Dyno) Testing, Paint Booth.

Metal Fabrication – Coatings, Laser Cutting.

Pharmaceutical/BioPharma – Lab Air, Blow Molding of Blister Paks.

Packaging - PET.

- Electronics – Fiber Optics, N2 Blanketing, Plastics Extruding.
- Chemical – Breathing Air, Hydrogenator, Liquid Transfer.
- Energy, Oil & Gas – Purge Air, Instrument Air, Liquid Transfer.
- Environmental – Purge Air.
- Fire Protection – Suppression Accumulator Bottles, Filling Extinguishers.
- Food Production – Fermentation Air.
- Heating, Cooling, Refrigeration – Pressure Testing Coils.
- Institutional – Lab Instrument Air.
- Medical Device Mfr – Bead Blasting, Contact Lense Process, Syringe Process, Pressure Testing.
- Mining, Minerals – Filter Press.
- Municipal WWT – Instrument Air.
- Plastics/Rubber – Autoclave (Inerting), High Pressure Forming, Vinyl Mfg.
- Semiconductor – High Pressure Tools, Specialty Processes (silicon wafer, diode mfg).

Application Spotlight

Laser Cutting Nitrogen Booster

Nitrogen Pressure Boosting

The two main factors when using nitrogen as an assist gas for laser cutting are: purity & high pressure.

Purity: Laser cutting machines require high purity nitrogen to provide a precise and clean cut. Low Purity nitrogen could cause oxidizing of the metal and burrs. **Hycomp oil-free nitrogen boosters ensure that your nitrogen remains pure as no oil is allowed to enter compression.**

High pressure: The nitrogen must be supplied at high pressures, on average 200-450 psig to create clean and precise cuts. Hycomp nitrogen boosters are engineered to provide the pressure your laser cutting application requires.

Available Options

- Special Sealing Systems
- High Temp Cooling Fan
- Modbus TCP/IP Communications
- Multiple Unit Lead/Lag & Alternate Controls
- NEMA 4X Control Panel Enclosure
- Sound Deadening Enclosure

- Cold Weather Package
- Voltage - 200, 208, 230, 400, 575
- Moisture Separators
- Closed Loop Cooling Skid
- Remote Monitoring/Controlling
- Stainless Steel Control Panel Enclosure

Odyssey Easy Install

Buffer, Discharge Tank, Filtration and Flow Management System.

Bulletproof Installation

The Odyssey DSi Easy-Install greatly reduces the potential for installation errors and incorrect component selection by providing the user with everything needed to ensure a successful turnkey installation. Provided is the plumbing and wiring to connect the suction and discharge to an existing Hycomp booster. Inclusion of Hycomp recommended components, pre-assembled at our facility, ensures a bulletproof installation solution at a lower cost.

Reduced Maintenance Costs

The DSi Easy-Install provides protection of equipment with Hycomp specified filters. Inclusion of an inlet filter provides an extra barrier between supplied air/nitrogen and the Hycomp booster. Limiting the amount of debris entering the booster reduces wear and tear on internal components and results in lowered maintenance costs.

Extended Booster Life

The innovative recycle line featured in the DSi Easy-Install is used to recirculate excess compressed air/nitrogen back through the booster. This results in fewer load/unload cycles, which extends the life of the booster.

Reduces Space Requirements

Recirculation of excess gas also eliminates the need for large and expensive storage vessels, giving the user a better value on the space used in their facility.

Made in the USA

Every system we build is manufactured at our plant in Utah. Replacement parts are stocked on our shelves and available for next daydelivery.

The Odyssey Easy-Install Package is a simple add-on that provides the user with everything needed for a turnkey installation.

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