Nuvair®
Compressed Gas Solutions

Low Pressure Compressors

Create a perfect package with a light, medium or heavy duty compressor.

Nuvair®

Compressed Gas Solutions

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LOW PRESSURE COMPRESSORS

Nuvair has been manufacturing low pressure breathing air systems for the working diver for more than 30 years. We offer standard and custom configurations for a wide variety of stationary and portable installations. Do you need a customized compressor to meet your specific needs? Let us guide you through the many configurations that the compressor packages can be purchased in. Our staff understands that need, budget and comfort level lead to the choices one makes on the type, brand and model of compressor you will be using. Nuvair offers custom and stock configurations of tried and proven compressor brands combined with electric, gas or diesel motors of the same caliber.

Our commercial diving low pressure compressors are broken down into three categories: light duty, medium duty and heavy duty. This catalog is designed to guide you through the different compressor packages and options available to you. We realize that not all options are pictured and described, which is why we encourage you to contact us to help us create the perfect compressor package for you.

All Nuvair compressor packages are manufactured in-house and tested before leaving Nuvair. From start to finish, our technicians are making sure your package is inspected, tested and delivered on time.

Standard Features and Options:

- Bamax, Champion, Coaire, CompAir, Fiac, Quincy or Rotair
- Electric, gas, or diesel motors by Baldor, Deutz, Honda, Kohler, Kubota, Soga, WEG or Yanmar
- Aluminum, steel or stainless steel frames with vibration mounts, drip pans and belt guards that encapsulate the compressor package
- Base mount, tank mount and offshore frame with onsite installation options
- Lifting eyes, forklift slots, raised feet, wheels and handles are options provided for ease of transportation
- Hankison or Norgren breathing air filtration
- Air coolers and volume tanks
- Analyzers for moisture, CO, CO_2, H_2S and O_2
- Head unloaders or Load Genie
- Diver manifolds and regulators
- Audible and visual alarms combined with mechanical and digital readouts, both panel and component based
- Auto shutdowns and air bleed valves

Nuvair Specialties

Nitrox Membranes

Nuvair has pioneered the use of semi-permeable membrane technology and its use with compressors to produce nitrox. Using Nuvair's patented membrane system, nitrox can be produced for low pressure or high pressure delivery from 21% to 40% oxygen. Nuvair manufacturers turnkey systems that provide nitrox in a standalone package or nitrox generators that can be placed in-line with your existing compressor system.

Low and High Pressure Turnkey Nitrox Compressor Systems

Nuvair combines their innovative membrane nitrox technology with low pressure and high pressure compressor packages to offer complete turnkey systems for continuous duty use. Low pressure open systems can be on-site for commercial diving operations. Our high pressure enclosed packages are made for locations requiring cool and quiet systems, which are often referred to as, "nitrox in a box".

Low Pressure Compressors

Nuvair manufactures its own line of low pressure compressors at its California production facility. Nuvair uses only the finest components in producing compressors and always tries to meet and exceed industry standards. Nuvair compressor packages may look like the rest, however, it is the finer details and choice of components that make Nuvair compressors the best.

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CHOOSING A COMPRESSOR

The first choice will be the size or output of the compressor. What CFM or L/min air output will be required to supply the diver(s) that will use the compressor?

The minimum pressure requirement can be calculated as maximum depth pressure plus 100 psi. CFM calculations normally are done for a demand helmet at (3 x # divers) x (depth + 33) /33 = CFM and for a free flow helmet (4.5 x # divers) x (depth +33) / 33=CFM (1 CFM = 28.3 L/min).

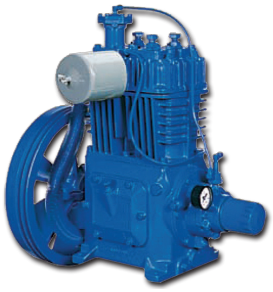
The second choice is the type of compressor used to pump the air. The choices are reciprocating (piston) or rotary screw. Traditionally, the reciprocating has been used due to lower oil "mist" carryover. The newer rotary screw compressors also have very low oil carryover and require little maintenance. In the reciprocating category for small sizes, there is a choice of oil lubricated or oil less. For shallow work, the light oil less can offer some advantages. For deeper water, the oil lubricated is going to be more reliable at higher pressure ratings and require less maintenance. Another recommendation for deeper water is a two-stage pressure lubricated compressor with even higher pressure output.

The third choice will be the type of motor that is used to turn the compressor. The choices from Nuvair are gas, diesel, electric or hydraulic. Electric is available in any voltage or Hz required. For international companies, 50 / 60 Hz compressors are available. We also offer diesel / electric combo packages where the compressor can be run by electric when available or diesel when electric is not available.

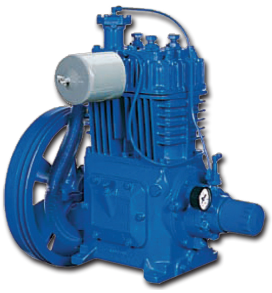
The fourth choice is the type of frame that is used. Each frame type has advantages and disadvantages. Choose the frame that will be best for the type of job, portability and place it will be used.

An additional thought is air or nitrox. Nuvair has a complete line of LP nitrox compressor systems listed in the second half of this catalog.

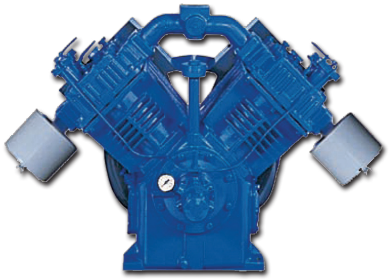
Examples of compressor blocks and output



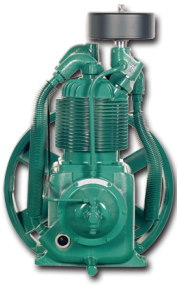
Quincy 325
19 CFM



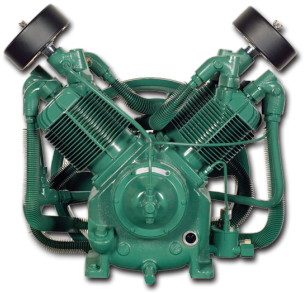
Quincy 370
49 CFM



Quincy 5120
95 CFM



Champion R15
23 CFM



Champion R30
49 CFM

CompAir EK76
60 CFM

Compressor Block Choices (Select One)

	Quincy Reciprocating, Pressure Lubricated		Bamax Splash Lubricated
	Champion or Gardner Denver Splash Lubricated		Champion or Gardner Denver Pressure Lubricated
			CompAir Rotary Screw

Engine/Motor Choices (Select One)

	Yanmar Diesel (Manual Start)		Yanmar Diesel (Electric Start)
	Kohler Diesel (Manual Start)		Kohler Diesel (Electric Start)
	Kubota Diesel (Electric Start)		Kubota (Air Start)
	Deutz Diesel (Electric Start)		Deutz Diesel (Air Start)
	Honda Gas Engine (Pull Start)		Honda Gas Engine (Electric Start)
	Electric Motor (List Voltage, Hz and Phase)		Hydraulic Drive (Special Order)

Frame Style Choices (Select Options You Want)

	Bare Block		Block Mounted on Base/Compressor Plate
	Steel Compressor Plate		Stainless Steel Compressor Plate
	Base Mounted		Tank Mounted
	Volume Tank Mounted in Frame with Compressor		No Volume Tank with Compressor Frame
	Aluminum Frame		Steel Frame
	Lifting Eyes		No Lifting Eyes
	Forklift Slots / Metal Feet		Wheels or Wheels on the Bottom
	Side Lifting Handles		No Handles
	Bottom Drip (Oil) Pan		No Pan Open Bottom
	Top Cover		Open Easy Access Top

Air Cooling, Filtration and Delivery (Select Options You Want)

	Air Aftercooler (Cools Air For Better Filtration)		Air Filtration (Supplies Grade D Air After Filtration)
	Diver Manifold (Choose the Amount of Valve Outlets)		Pressure Above 200 psi (14 bar) on some models
	CO Alarm Analyzer		Automatic High Temperature Shutdown
	Moisture Alarm Analyzer		Oxygen Analyzer
	CO_2 Alarm Analyzer		Oxygen Alarm
	H_2S Alarm Analyzer		Tachometer / Hour Meter
	Separate Volume Tank (List Size)		Separate Volume Tank Mounted In Frame (List Size)
	Canvas Cover		

Not all options are available for every compressor combination, please call for compatibility.

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LIGHT DUTY COMPRESSORS

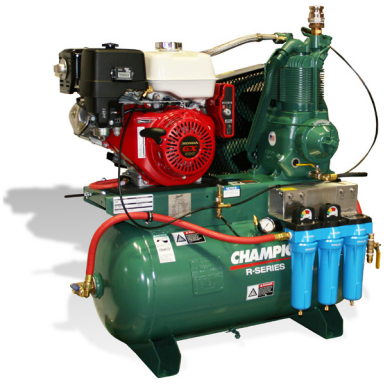
Our light duty commercial compressors are ideal for shallow work areas in depths of 20 ft or less. Lightweight, low cost and portability are the main reasons for choosing a light duty compressor. You can choose between oil free or oil lubricated compressor. The oil free designs are light and easy to move around and do not require some of the options necessary with oil lubricated compressors to meet OSHA regulations. Diver air filtration does not come standard with our light duty compressors. It is an important option to include on any breathing air compressor system.

One final consideration when purchasing a light duty compressor would be your planned use. If you plan to use the compressor for continuous duty work or have multiple divers in the water, it is important to get a compressor that meets the demands of the CFM and pressure you will need. As always, give us a call and we will guide you through the decision process to ensure your purchase meets your requirements.

Bamax gas model shown

SPECIFICATIONS

	LP-B15-G	LP-B20-G	LP-B24-G	LP-F23-D
Cylinders / Stages	2 / 2	2 / 2	2 / 2	2 / 2
Displacement / CFM	540 L/min / 13 CFM @ 1100 RPM	560 L/min / 20 CFM @ 1300 RPM	600 L/min / 24 CFM @ 1200 RPM	650 L/min / 23 CFM @ 650 RPM
Engine	4.8 hp (3.6 kW) Honda GX160	8.5 hp (6.3 kW) Honda GX270	8.5 hp (6.3 kW) Honda GX270	7.7 hp (5.7 kW) Yanmar diesel
Max Operating Pressure	145 psi (10 bar)	145 psi (10 bar)	145 psi (10 bar)	145 psi (10 bar)
Tank Volume	(2) 2.9 gal (11 L)	(2) 4.49 gal (17 L)	(2) 4.49 gal (17 L)	(2) 4.49 gal (17 L)
Dimensions (L x W x H)	33 x 27.3 x 34 in (84 x 69 x 86 cm)	32 x 30 x 42 in (86 x 76 x 107 cm)	34.7 x 30 x 42 in (88 x 76 x 107 cm)	34.3 x 30 x 42 in (88 x 76 x 107 cm)
Weight	187 lbs (85 kg)	229 lbs (104 kg)	238 lbs (108 kg)	260 lbs (118 kg)



Pictured with optional filtration

SPECIFICATIONS

	LP-R15H	LP-R15E	LP-R15DY
Air Delivery	21 CFM @ 175 psi (595 L/min @ 12 bar)	23.4 CFM @ 175 psi (662.7 L/min @ 12 bar)	21 CFM @ 175 psi (595 L/min @ 12 bar)
Engine	Honda 11.7 hp (8.7 kW) Honda gas	208-230 V / E1 / 60 Hz motor	Honda 10 hp (7.5 kW) Yanmar diesel
Max Pressure	175 psi (12 bar)	175 psi (12 bar)	175 psi (12 bar)
Lubrication	Splash Lubricated	Splash Lubricated	Splash Lubricated
Air Tank Capacity	30-gallon tank (114 L)	30-gallon tank (114 L)	30-gallon tank (114 L)
Air Quality	Grade D with filtration	Grade D with filtration	Grade D with filtration
Unit Dimensions (L x W x H)	49 x 29 x 40 in (124 x 74 x 102 cm)	38 x 28 x 46 in (96 x 71 x 117 cm)	46 x 28 x 42 in (117 x 71 x 107 cm)
Weight	385 lbs (175 kg)	459 lbs (208 kg)	510 lbs (231 kg)

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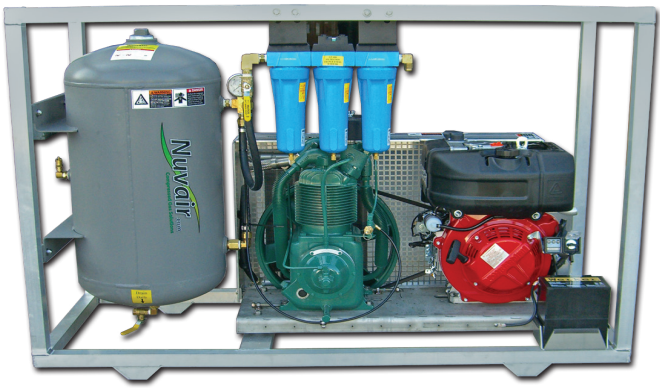
MEDIUM DUTY COMPRESSORS

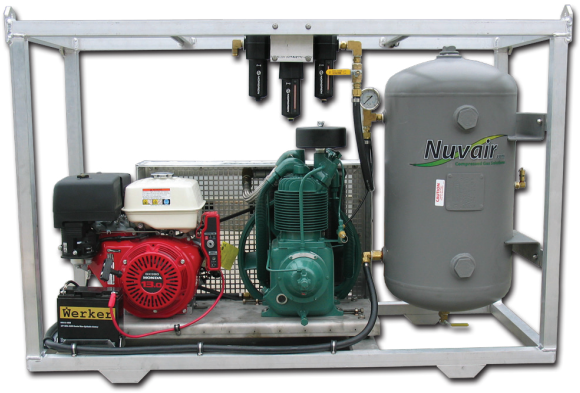
Medium duty compressors range from 18 CFM to 50 CFM and are built in standard and customized configurations. You can choose from a wide range of compressors and motors to meet your specific needs. Portability and CFM air requirements are two factors to consider in choosing the right medium duty compressor for your job.

Your choice will depend on where you will use it and what equipment it will be used with. Our medium duty range is available in gas, diesel, hydraulic or electric drive. In electric, the motors are available for any voltage or Hz you may require. Our frames and compressor plates are made with 6061 aluminum, steel or stainless steel. A drip pan is included on most models and optional for those without. Smaller packages are set up to have handles, wheels and lifting eyes; larger packages tend to be constructed of aluminum frame material with four lifting eyes and forklift slots for transporting. Volume tanks and diver air filtration options should also be considered when customizing your compressor package.

These frame styles can be configured to have room for a volume tank and proper filtration for the diver. Additionally, we can enclose the volume tank in a separate frame, depending on your space and transportation needs. Notice: The volume tank is always on the opposite side of the engine exhaust.



R15 Kohler diesel with volume tank
23 CFM



R15 Honda gas with volume tank
20 CFM

A volume tank and filtration are necessary to deliver breathing air with most low pressure compressors. Nuvair's standalone volume tanks have been built in accordance with the ASME, ABS, USCG, UN, SAE-J10 and others. Nuvair caries a variety of sizes from 15-400 gallons (55-1500 L). Volume tanks are available in vertical or horizontal models, with or without frames.

Pictured above are two of our turnkey LP diver packages. The Champion R15 heavy use duty compressor pump is combined with a diesel or gas engine, 30-gallon (114 L) volume tank and Grade D breathing air filtration, all inset within the frame. Standard features include: 6061 aluminum frame with lifting eyes and forklift slot, a steel compressor plate and an aluminum belt guard.

OPTIONS AVAILABLE: Bottom drip pan, stainless steel or powder coated frame and CO analyzer. A package can be purchased with almost any combination of diesel, gas or electric drive and any compressor that is desired.

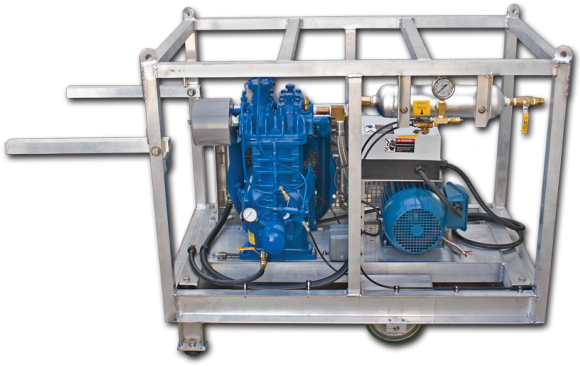
QUINCY 325
DIESEL OR ELECTRIC

The Quincy 325 Low Pressure Compressor is an industry leader featuring loadless start with head unloaders. The Yanmar 10 hp (7.5 kW) air cooled diesel engine features keyed electric or pull start, tach / hour meter and a battery box.

This package has a one gallon surge / manifold tank, over pressure valve, drain valve, large air aftercooler, check valve, gate valves and plumbing. The frame is made with 6061 aluminum and has an enclosed bottom, four point lifting eyes, handles and wheels, making it easy to move on and off the job. All equipment is inset; the compressor and engine are mounted on an aluminum plate and have independent vibration absorption mounts.

FEATURES

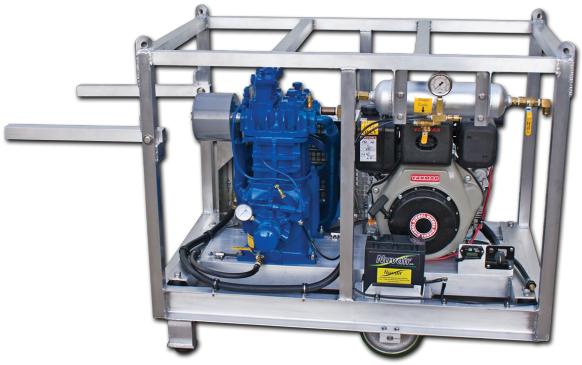
- Tach / hour meter
- Aluminum frame:
  - Enclosed bottom
  - Lifting eyes / forklift slots
  - Handles and wheels
- Aluminum belt guard
- Over pressure valve
- Air cooler for improved filter life
- Well balanced, easy to push



Quincy 325 Electric

OPTIONS

- Electric motor
- Steel or stainless steel frame
- Powder coated frame
- 30-gallon volume tank or larger
- Grade D breathing air filtration
- CO, H_2S or CO_2 Alarm Analyzer
- Audible and visual high temperature alarms



Quincy 325 Diesel

SPECIFICATIONS

	SKU: Q-325DY	SKU: Q-325E
Flow Rate	19.4 CFM @ 175 psi	17.4 CFM @ 175 psi
Engine	Yanmar 10 hp (7.5 kW) diesel	WEG 5 hp (63.7 kW) electric motor
Max Operating Pressure	200 psi (14 bar)	200 psi (14 bar)
Lubrication	Pressure	Pressure
Air Quality	Grade D with filtration	Grade D with filtration
Dimensions (L x W x H)	48 x 29 x 41 in (122 x 74 x 104 cm)	48 x 29 x 38 in (122 x 74 x 96 cm)
Weight	560 lbs (254 kg)	411 lbs (186 kg)

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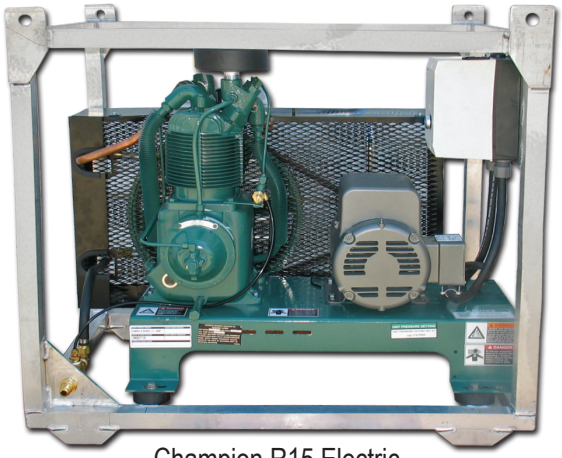
CHAMPION R15 GAS, DIESEL OR ELECTRIC

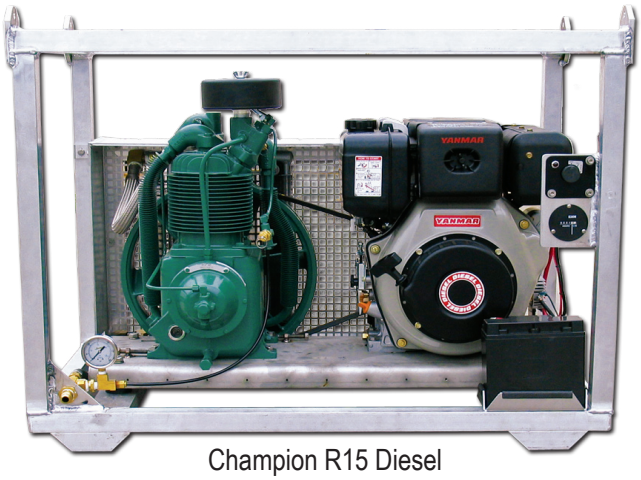
Electric start Yanmar diesel, Honda gas or WEG electric motor with Champion R15 pump.

This package has a one gallon surge tank, over pressure valve, drain valve, large air aftercooler, check valve, gate valves and plumbing. The frame is made with 6061 aluminum and has an enclosed bottom, lifting eyes, handles, and wheels that make it easy to wheel on and off the job. All equipment is inset; compressor and diesel are mounted on an aluminum, steel or stainless steel plate and have independent vibration absorption mounts.

Pictured in custom open frames



Champion R15 Electric



Champion R15 Diesel

FEATURES

- Tach/hour meter
- Aluminum frame:
  - Enclosed bottom
  - Lifting eyes / forklift slots or
  - Handles and wheels
- Aluminum belt guard
- Over pressure valve
- Air cooler for improved filter life

OPTIONS

- Electric motor
- Steel, stainless steel or powder coated frame
- 30-gallon volume tank or larger
- Grade D breathing air filtration
- CO, CO_2 or H_2S Alarm Analyzer
- Audible and visual high temperature alarms

SPECIFICATIONS

	SKU: LP-R15DY	SKU: LP-R15E	SKU: LP-R15G
Flow Rate	20 CFM @ 175 psi (528 L/min @ 12 bar)	23.4 CFM @ 175 psi (662 L/min @ 12 bar)	20 CFM @ 175 psi (528 L/min @ 12 bar)
Engine	10 hp (7.5 kW) Yanmar diesel	7.5 hp (5.6 kW) electric motor	11.7 hp (8.7 kW) Honda gas
Max Pressure	175 psi (12 bar)	175 psi (12 bar)	175 psi (12 bar)
Lubrication	Splash Lubricated	Splash Lubricated	Splash Lubricated
Air Quality	Grade D with filtration	Grade D with filtration	Grade D with filtration
Dimensions (L x W x H)	46 x 28 x 42 in (117 x 71 x 107 cm)	48 x 29 x 38 in (122 x 74 x 96 cm)	48 x 29 x 38 in (122 x 74 x 96 cm)
Weight	510 lbs (231 kg)	370 lbs (167 kg)	370 lbs (167 kg)

CHAMPION R30 ELECTRIC

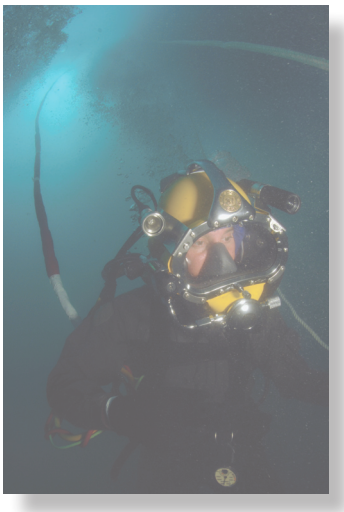
The Champion R30 is a heavy use duty pump with an electric motor and is mounted on a 120-gallon tank or in a frame. Our framed models offer a variety of designs to meet your needs. The basic package is a pump and electric motor on an ASME rated 120-gallon tank.

FEATURES

- Reliable electric motor
- High quality two-stage splash lubricated pump
- Centrifugal unloader - loadless starts
- Simple to operate, reliable and versatile
- Grade D breathing air filtration
- Motor starter

OPTIONS

- Custom frame with volume tank
- Honda gas or diesel engine
- Low pressure regulator for downstream pressure
- Air aftercooler
- CO, H_2S or CO_2 Alarm Analyzer
- Audible and visual high temperature alarm
- Low oil shutdown
- High temperature shutdown
- Tach / hour meter
- Refrigerated air dryer
- 60, 80 or 200-gallon tank
- Grasshopper tank



SPECIFICATIONS

	SKU: LP-R30E (10 or 15 hp)
Flow Rate	35 or 49 CFM @ 175 psi (991 or 1387 L/min @ 12 bar)
Motor	10 or 15 hp (7.5- or 11.2 kW) 3-phase electric motor
Max Pressure	175 psi (12 bar)
Lubrication	Splash lubricated
Air Quality	Grade D breathing air
Unit Dimensions (L x W x H)	73 x 24 x 56 in (185 x 61 x 142 cm)
Weight	890 lbs (404 kg)

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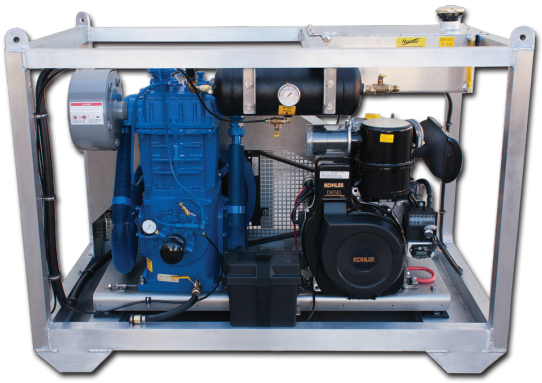
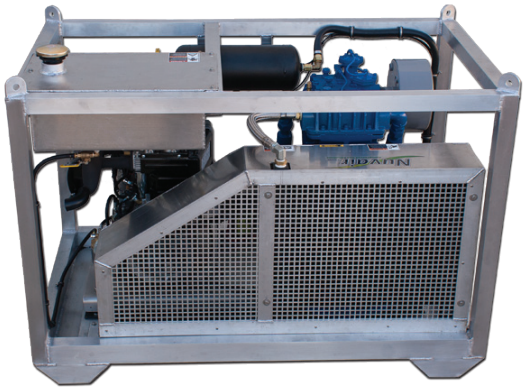
QUINCY 370 DIESEL

As an industry leader, the Quincy 370 low pressure compressor features a loadless start with head unloaders. The Kohler 28.5 hp diesel engine has an electric start, a tach / hour meter, a battery with battery box and a 10-gallon fuel tank with a sight gauge and filter.

This package has a 3-gallon surge tank and manifold, over pressure valve, drain valve, large air aftercooler, check valve, gate valves and plumbing. The frame is made with 6061 aluminum; it contains lifting eyes, forklift slots and has an enclosed bottom with a steel, powder coated compressor plate.





FEATURES

- Tach / hour meter
- Aluminum frame:
  - Enclosed bottom
  - Lifting eyes / forklift slots or handles and wheels
- Aluminum belt guard
- Over pressure valve
- 10-gallon fuel tank

OPTIONS

- Electric motor
- Steel or stainless steel frame
- Powder coated frame
- 120-gallon volume tank
- Grade D breathing air filtration
- CO, H_2S or CO_2 Alarm Analyzer
- Audible and visual high temperature alarms

SPECIFICATIONS

	SKU: Q-370D
Flow Rate	49 CFM @ 175 psi (1387 L/min @ 12 bar)
Motor	Kohler 28.5 hp (21.3 kW) diesel
Max Pressure	200 psi (14 bar)
Lubrication	Pressure
Air Quality	Grade D with filtration
Unit Dimensions (L x W x H)	60 x 35 x 44 in (153 x 89 x 112 cm)
Weight	1030 lbs (467 kg)

Always use a volume tank with filtration before the air is delivered to the divers.

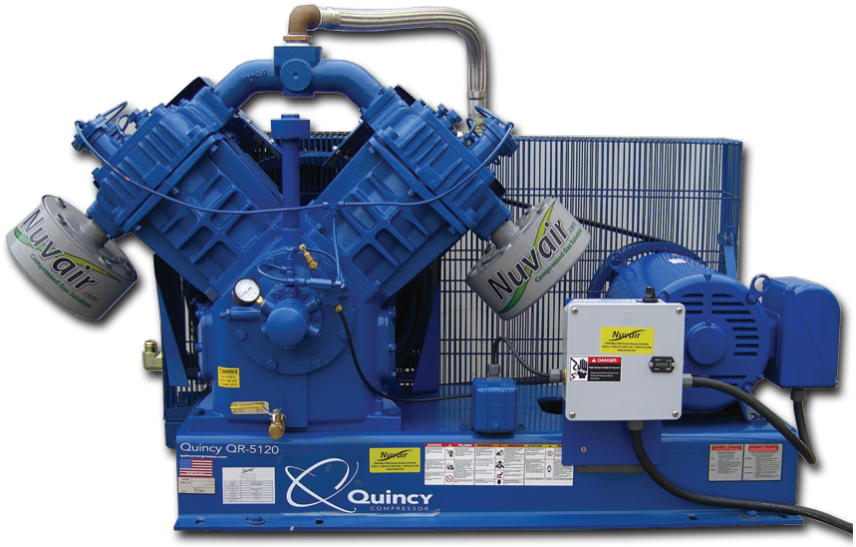
QUINCY 5120 BASE MOUNTED ELECTRIC COMPRESSOR

Heavy duty compressor packages range from 50 CFM and up. Our standard packages are built around the Quincy 5120 air compressor. This compressor can be driven by a diesel engine or an electric motor with any three-phase voltage required. Base, tanks and frames for our 5120 line are made of steel and powder coated for protection. Available configurations are base mounted, tank mounted and enclosed frame models. Standard and custom options available for each of the packages include: Forklift slots, four point lifting eyes, belt guard, drip pan, single or double volume tanks, larger capacity fuel tank, top cover plate and galvanized coating.

Nuvair has rotary compressor options for +100 CFM. The Quincy 5120 base mounted electric compressor includes Q-5120 block, electric motor, NEMA 4x enclosure for a starter and a belt guard that is mounted on a steel plate. Add a 120-gallon tank in a frame and our breathing air filtration pack to make the package dive ready.

FEATURES

- High quality reliable electric motor
- NEMA 4x enclosure and starter
- LVD control
- Belt guard
- Simple to operate, reliable and versatile



OPTIONS

- Standard starter
- Low pressure regulator for downstream pressure
- CO, H_2S or CO_2 Alarm Analyzer
- Grade D breathing air filtration
- Audible and visual high temperature alarms
- ASME rated 120-gallon volume tank
- TEFC motor
- 50 Hz motor

SPECIFICATIONS

	SKU: QR5120SB00191
Flow Rate	87 CFM @ 175 psi (2464 L/min @ 12 bar)
Motor	25 hp (18.6 kW)
Max Pressure	200 psi (14 bar)
Lubrication	Pressure
Air Quality	Grade D with breathing air filtration
Unit Dimensions (L x W x H)	64.75 x 38 x 38 in (165 x 97 x 97 cm)
Weight	1450 lbs (658 kg)

Always use a volume tank with filtration before the air is delivered to the divers.

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QUINCY 5120 ELECTRIC MOUNTED ON 120 GALLON TANK

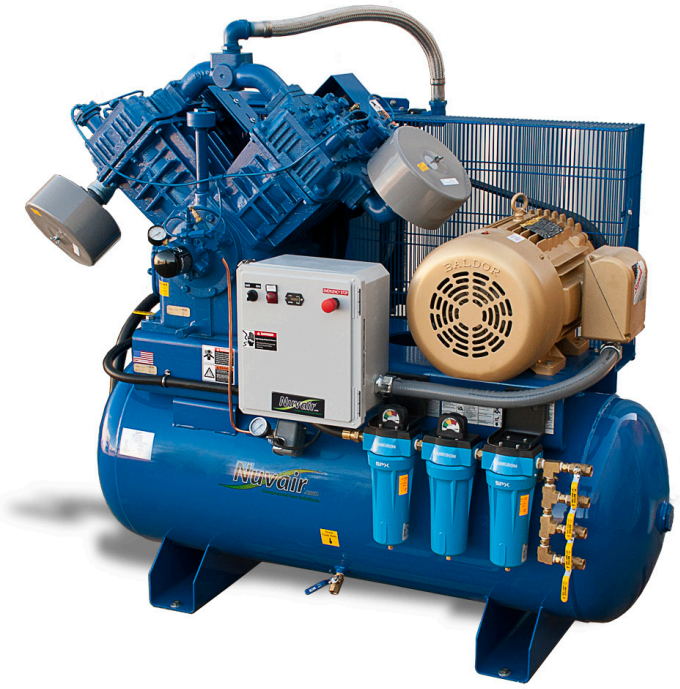
Whether you need breathing or industrial air, the Quincy 5120 electric drive tank mount is a versatile compressor package with 87 CFM @ 175 psi. With years of proven dependability as an industry workhorse, this is the standard in many dive companies and industrial uses worldwide. The basic dive package includes a 5120 compressor block with head unloaders, a TEFC 25 hp motor and belt guard, NEMA 4 starter box, forklift slots, a three-stage breathing air filtration and diver manifold and is mounted on an ASME rated 120-gallon tank.

FEATURES

- High-quality reliable electric motor
- Low oil carryover compression rings
- LVD control
- Air cooler and ASME rated 120-gallon volume tank
- Simple to operate, reliable and versatile

OPTIONS

- NEMA 4 starter
- Low pressure regulator for downstream pressure
- CO, H_2S or CO_2 Alarm Analyzer
- Grade D breathing air filtration
- Audible and visual high temperature alarms
- Diver manifold
- TEFC motor
- 50 Hz motor



Pictured with options

SPECIFICATIONS

	SKU: Q-5120-E-120
Flow Rate	87 CFM @ 175 psi (2464 L/min @ 12 bar)
Motor	25 hp (18.6 kW)
Max Pressure	200 psi (14 bar)
Number of Stages	2
Lubrication	Pressure
Air Tank	120-gallon (454 liters)
Air Quality	Grade D with breathing air filtration
Dimensions (L x W x H)	73 x 34 x 63 in (185 x 86 x 160 cm)
Weight	2060 lbs (934 kg)

QUINCY 5120 FRAMED DIESEL OR ELECTRIC

Our standard package is built around the industry leading Quincy 5120 air compressor. Power options included can be either diesel (Kubota or Deutz) or electric in any three-phase voltage required.

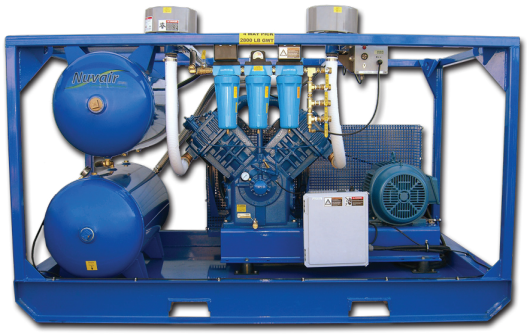
Our entire heavy duty compressor package line is made of steel with a powder coated surface. Standard build includes: (2) 60-gallon tanks, forklift slots, four point lifting eyes, belt guard, drip pan, Grade D breathing air filtration and a 4 diver manifold. Options available: size of volume tank, size of fuel tank, top cover plate, canvas cover and galvanized dipped.

FEATURES

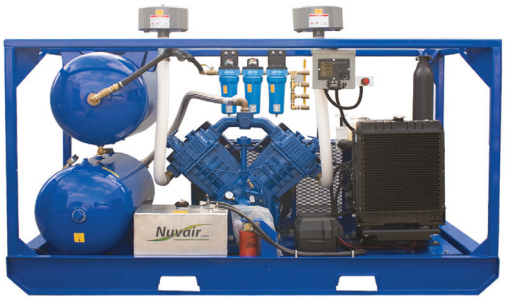
- Kubota D1803-M diesel
- Hayes PTO and bearing block
- Full instrument panel
- 15-gallon fuel tank
- Air cooler & 2 ASME rated 60-gallon volume tanks
- Hankison filtration to 0.003 ppm oil vapor
- Surface supply, Hookah membrane supply
- 4 diver manifold
- Simple to operate, reliable and versatile
- Heavy duty powder coated offshore frame with vibration isolated inner frame
- Primary fuel filter

OPTIONS

- 25 hp TEFC electric motor
- Low pressure regulator for downstream pressure
- CO, H_2S or CO_2 Alarm Analyzer
- Audible and visual high temperature alarms
- Top cover plate
- Stainless steel volume tanks



Q-5120-E



Q-5120 Kubota

SPECIFICATIONS

	SKU: Q-5120-K	SKU: Q-5120-E
Flow Rate	95 CFM @ 175 psi (2690 L/min @ 12 bar)	87 CFM @ 175 psi (2464 L/min @ 12 bar)
Engine / Motor	Kubota Diesel	230 / 415 / 460 V / E3 / 50 or 60 Hz
Engine Power	37.4 hp @ 2700 RPM	25 hp (18.6 kW)
Max Pressure	200 psi (14 bar)	200 psi (14 bar)
RPM	1040	951
Number of Stages	2	2
Lubrication	Pressure lubrication	Pressure lubrication
Air Quality	Grade D Breathing Air	Grade D breathing air
Dimensions (L x W x H)	96 x 55 x 53 in (244 x 140 x 135 cm)	96 x 55 x 48 in (244 x 140 x 122 cm)
Weight	3000 lbs (1361 kg)	2900 lbs (1315 kg)

NITROX MEMBRANE SYSTEM

The benefits of utilizing nitrox in diving, such as increased bottom time and enhanced safety, have become widely known throughout the industry. Producing nitrox using a membrane is a safe, economical alternative to oxygen blending. Nuvair has pioneered and advanced the production of nitrox for commercial diving applications. Nuvair's nitrox systems are built to meet OSHA, IMCA and ADC diving standards.

The Nuvair nitrox system uses semi-permeable membranes to produce O_2 rich air (nitrox). A constant flow of nitrox from 22% to 40% oxygen can then be delivered immediately to divers using a low pressure compressor. As your diving depths change, you can increase or decrease the percentage of nitrox delivered and not be committed to one percentage from a blended mix storage system. You will be amazed to discover the cost savings, increased productivity, and safety that can be afforded to you using a Nuvair commercial nitrox diving system.

Incorporating a membrane system with your compressor ensures an endless supply of nitrox customized to your specific diving profile. Whether you are supplying air to one or 20 divers, Nuvair can design a system to meet your specific needs.

- Latest membrane technology: Now up to 20% more efficient than other membrane systems
- Produce 10-50 CFM at 200 psi (14 bar)
- Compressors can be used independently to provide low pressure air or together, to provide nitrox
- Nitrox generator packages can be placed in-line with your existing LP diver compressor setup

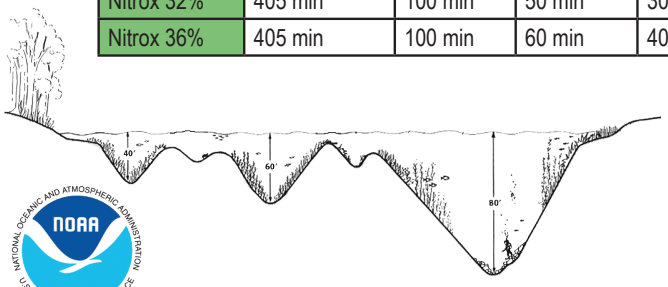
Nitrox is simply a mixture of nitrogen and oxygen that contains more oxygen and less nitrogen than standard air. By reducing the amount of nitrogen in the gas mixture, we can reduce the amount of nitrogen absorbed, shrinking the diver's decompression obligation for the time spent at any given depth.

Using nitrox gives the diving company a competitive edge that is easy to obtain and becomes particularly important when working in areas where there are short weather windows or at an altitude. In areas where there are extreme tidal flows, nitrox can also be a real time saver, allowing the divers to make the most out of the slack tide periods.

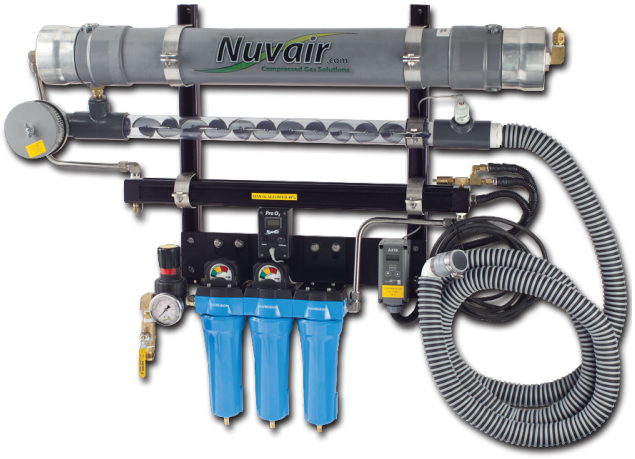
The most significant benefits of using nitrox occur in the 60-80 FSW depth range. For example, using a mix containing 36% oxygen with a PO2 of 1.13 at 40 feet provides 405 minutes of no stop dive time compared to 163 minutes allowable bottom time on air. That's more than twice the normal no decompression limit!

Nitrox will bring a significant savings to your project with money and time by increasing the bottom time a diver can stay over air in shallow water.

NOAA DECO TABLES				
Depth	40'	60'	80'	100'
Air	163 min	60 min	39 min	25 min
Nitrox 32%	405 min	100 min	50 min	30 min
Nitrox 36%	405 min	100 min	60 min	40 min



NOAA NO-DECOMPRESSION TABLE



LP NITROX
R15-EK76

Nuvair LP-LP gas, diesel or electric powered nitrox systems are built to deliver surface supply air or nitrox up to 40% oxygen directly to the diver. In electric, the compressor is available with any voltage or Hz that you may require. Our frames are constructed of 6061 aluminum, steel, or stainless steel. The compressor plates are usually made with steel or stainless steel. A drip pan, belt guard, lifting eyes and forklift slots for transporting are included on all models. Volume tanks size and diver air filtration options are customizable.

NITROX MEMBRANE FEATURES

- (2) Pro O_2 Analyzer with in-line sensor
- Membrane rated up to 20 CFM (566 L/min) @ 36% oxygen
- Auto thermostatic control 110 / 220 V heater
- Air intake filter and static mixing tube
- Synthetic food grade compressor lubricant for nitrox breathing applications
- Mix accurate to within 0.1%

COMPRESSOR FEATURES

- Rigid 2 in sq aluminum frame and belt guard
- Stainless steel ¼ in compressor mounting plate
- Vibration mounts below compressor plate and frame
- LP air filtration: Hankinson Series 20
  - Auto drain / DP gauges
  - Coalescing 1.0 micron
  - Fine polishing 0.01 micron
  - Oil vapor removal 0.003 ppm
  - Diver LP air filtration
- Supplies Grade D air to membrane
- Hour meter
- Low oil shutdown
- LP dual-control head unloaders
- (2) Air aftercoolers
- Electric start
- 12 volt battery with box
- 18 amp charging system

OPTIONS

- 60-gallon volume tank
- Low / high O_2 alarm with shutdown capability
- CO, H_2S or CO_2 Alarm Analyzer

SPECIFICATIONS

	SKU: 7069D-EK76-R15
Engine	Kohler diesel
Engine Power	28.5 hp (21 kW)
Max Operating Pressure	175 psi (12 bar)
CompAir EK76	50 CFM @ 175 psi (1415 L/min @ 12 bar)
Champion R15	20 CFM @ 175 psi (560 L/min @ 12 bar)
Combined Air Produced	70 CFM @ 175 psi (1982 L/min @ 12 bar)
Nitrox Produced	40% at 16 CFM @ 175 psi (420 L/min) 36% at 20 CFM @ 175 psi (560 L/min)
Air Tank	(2) Steel 30 gallon (114 L)
Fuel Tank	15 gallon (57 L)
Lubrication	Pressure
Air Quality	CGA Grade D
Dimensions (L x W x H)	35 x 62 x 76 in (89 x 158 193 cm)
Weight	1400 lbs (635 kg)

Nuvair®
Compressed Gas Solutions

LP NITROX Q-325-EK76

Our Quincy 325 nitrox package is built for the demands of a multi-diver environment. It can be powered by either a diesel engine or three-phase TEFC electric motor in either 50 or 60 Hz. These compressor packages are made of 6061 aluminum with a stainless steel mounting plate and independent vibration mounts. The standard frame includes forklift slots, four point lifting eyes, a belt guard and a drip pan.

NITROX MEMBRANE FEATURES

- Pro O_2 Analyzer with in-line sensor
- Membrane rated up to 20 CFM @ 36% O_2
- Auto thermostatic control heater
- Back pressure air flow regulator and O_2% control
- Air intake filter and static mixing tube
- Synthetic food grade compressor lubricant for nitrox breathing air applications
- Mix accurate to within 0.1%

COMPRESSOR FEATURES

- Rigid 2 in sq aluminum frame and belt guard
- Stainless steel ¼ in compressor mounting plate
- Vibration mounts below compressor plate and frame
- Rotary screw compressor with modulation device
- High temperature shutdown on rotary
- (2) air aftercoolers
- LP air filtration: Hankinson Series 20
  - Auto drain / DP gauges
  - Coalescing 1.0 micron
  - Fine polishing 0.01 micron
  - Oil vapor removal 0.003 ppm
  - Diver LP air filtration
- Supplies CGA Grade D air
- Hour meter
- Low oil shutdown
- LP dual-control head unloaders
- Electric start
- 12 volt battery with box
- 18 amp charging system

OPTIONS

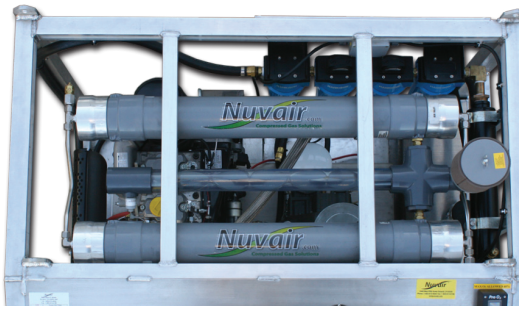
- 60-gallon volume tank
- Low / high O_2% alarm with shutdown capability
- CO, H_2S or CO_2 Alarm Analyzer
- TEFC electric motor

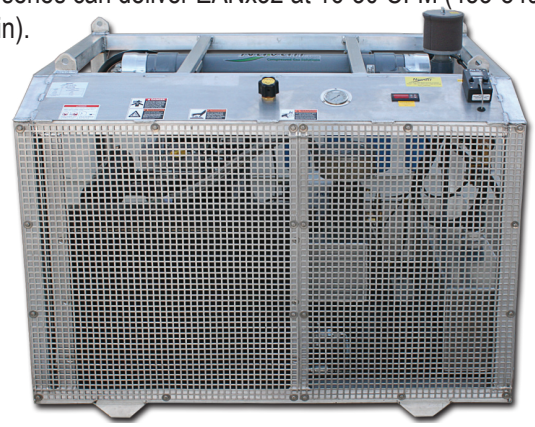
SPECIFICATIONS

	SKU: 7069QE
Motor	WEG
Motor Power	25 hp (18.6 kW)
Max Operating Pressure	200 psi (14 bar)
CompAir EK76	59 CFM @ 175 psi (1671 L/min @ 12 bar)
Quincy Q-325	18.6 CFM @ 175 psi (527 L/min @ 12 bar)
WEG 30 hp Electric Motor	80 amps draw at 208 V
Combined Air Produced	68 CFM @ 175 psi (1940 L/min @ 12 bar)
Nitrox Produced	40% @ 18.6 CFM @ 175 psi (420 L/min @ 12 bar)
Air Tank	30 gallon (114 L)
Lubrication	Pressure
Air Quality	Grade D
Unit Dimensions (L x W x H)	76 x 38 x 66 in (193 x 97 x 168 cm)
Weight	1460 lbs (663 kg)

COMMERCIAL LP NITROX GENERATOR 500 DIESEL

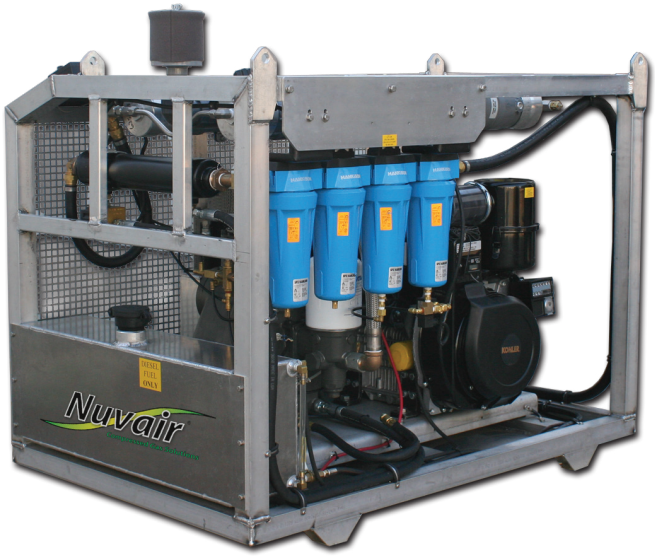
Suitable for offshore operations and other demanding installations, this generator package can normally be used with a compressor you already own. Gas or diesel powered, the Nuvair Commercial LP Nitrox Generator series can deliver EANx32 at 16-30 CFM (453-849 L/min), EANx36 at 12-22 CFM (340-623 L/min) and EANx40 at 10-18 CFM (283-509 L/min).





COMPRESSOR FEATURES

- Rigid 2 in sq aluminum frame and belt guard
- Low pressure rotary screw compressor
- Kohler diesel 28.5 hp (21 kW), air cooled, 2 cyl, 3000 RPM
- On / off flow valve
- Back pressure regulator with modulation control
- LP filtration, Grade D breathing air
- Oil / air heater thermostat control including:
  - Pressure switch
  - Heat exchanger
- Semi-permeable membrane - compatible with HP compressors rated up to 20 CFM (566 L/min)
- Mixing tube and air intake filter
- Nuvair Pro O_2 Remote Panel Mount in-line oxygen analyzer
- Compressor intake hose for nitrox compressor
- Nuvair Pro O_2 Analyzer including:
  - High pressure / low pressure regulator
  - Flow restrictor, 1-5 L/min



OPTIONS

- Seawater heat exchangers for cooling
- Watercooled exhaust
- Powder coated frame
- 110 / 220 V refrigerated air dryer
- Large remote fuel tank
- Nitrogen discharge hose

SPECIFICATIONS

	SKU: 7056.5
Engine	Kohler diesel
Engine Power	28.5 hp (21 kW)
Max Operating Pressure	175 psi (12 bar)
CompAir EK76	58 CFM @ 175 psi (1642 L/min @ 12 bar)
Fuel Tank	10 gallon (38 L)
Lubrication	Pressure
Air Quality	Grade D
Unit Dimensions (L x W x H)	54 x 36 x 46 in (137 x 91 x 117 cm)
Weight	796 lbs (361 kg)

LP ACCESSORIES

Our relationship does not end with the delivery of your compressor. Need supplies or additions to your compressor packages? Nuvair stocks consumables for all the compressors and filtration systems we sell.

Air Purification - We offer three-stage breathing air filtration packages and can supply components and consumables. We stock replacement elements for breathing air filtration by Hankison and Norgren.

Lubricants - Our premium quality synthetic food grade breathing air compressor oil is made to meet FDA guidelines for food grade additives. Unlike most mineral and synthetic lubricants on the market, Nuvair oil will not produce harmful by-products when used in elevated O_2 environments. Nuvair oil is available in quart, gallon and five-gallon containers or larger quantities by custom order. We offer two types of low pressure compressor oils, Nuvair 455 for reciprocating and Nuvair 546 for rotary screw compressors, both food grade synthetics.

Regulators, Valves and Panels - Nuvair can supply simple to complex diver manifolds to meet your needs. Using quality components we can work with you to design a manifold panel or valve outlet for your air / nitrox compressor package. Panels can be mounted on the compressors or into a portable locking case. We stock a wide array of regulator and valve parts as well.

Volume Tanks - Nuvair's stand alone volume tanks are built in accordance with ASME, ABS, USCG, UN, SAE-J10 and others standards. We stock sizes from 15-120 gallons (57-454 L) that are made from steel. Additional sizes and stainless steel tanks can be special ordered. Aluminum, steel or stainless steel frames can be built to accommodate horizontal or vertical applications. Valves and gauges to fit your needs can be installed before the tank leaves Nuvair.

Analyzers - We offer three styles of oxygen analyzers to accommodate most applications and carry helium, trimix, CO, CO_2, N_2, H_2S and moisture analyzers. Replacement parts and sensors are also available for most analyzers.

Lubricants

Tanks

Analyzers

Regulators, Valves and Panels

LOW PRESSURE VOLUME TANKS

Nuvair offers a range of low pressure volume tank (gas receivers) storage solutions. Free standing, caged, compressor mounted, grasshopper and dual tanks offered with or without integrated diver air filtration. Stock tanks are made of steel and have a 200 psi (14 bar) operating pressure. We can custom order stainless steel tanks and tanks with higher pressure ratings.

The use of an air receiver with low pressure compressors has several purposes:

- Removal of moisture
- Decrease the wear and tear of your compressor by reducing cycling
- Provide a short backup supply of air should the compressor be shut off

Nuvair stocks 15, 30, 60, 80 and 120 gallon tanks and can custom order larger tanks.

- Our standard framed tanks are made with 1-1/2 in marine grade aluminum stock and can be built thicker
- Inlet valves, full flow brass ball valve with #10 SAE brass fitting
- Outlet manifolds from one to four standard 1/2 in brass ball valves with #10 SAE brass fittings
- Drain valve 1/4 in brass ball valve standard additional sizes custom
- Pressure gauge 0 to 300 psi (0-21 bar)
- ASME tanks have a pressure relief valve 1/4 in set at 200 psi (14 bar)

A volume tank and filtration are necessary to deliver breathing air with low pressure compressors.

Steel Tank Specifications

(tank no mounting plate or frame)

Gallon / Liters	psi / bar	Weight (Horizontal)	Weight (Vertical)
30 gal (114 L)	200 / 14	77 lbs (35 kg)	83 lbs (38 kg)
60 gal (228 L)	200 / 14	163 lbs (74 kg)	132 lbs (60 kg)
120 gal (456 L)	200 / 14	278 lbs (126 kg)	286 lbs (130 kg)
200 gal (757 L)	200 / 14	545 lbs (247 kg)	517 lbs (235 kg)

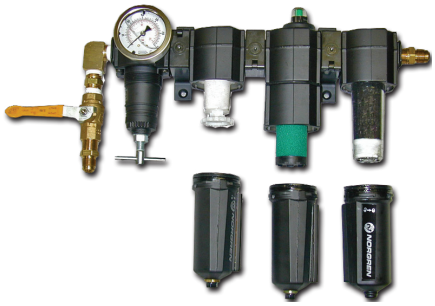
Nuvair®
Compressed Gas Solutions

THREE-STAGE LP FILTRATION

Nuvair offers low pressure breathing air filtration packages (housings and filters) commonly used in commercial diving. Whether you are looking for individual filters or multi-stage filtration packages, Nuvair has your solution in stock. Order individual components online or contact us to put together a package for your specific needs. Systems have a maximum operating pressure of 250 psi (17 bar).

NORGREN FILTER PACKAGE

LP Norgren filter packs includes three-stage filtration for 12-18 CFM compressors with #10 SAE inlet fitting, on / off ball valve and #10 SAE fitting for divers hose. Recommended for ABAC pumps and small industrial type pumps.



HANKISON HF 20 FILTER PACKAGE

The LP Hankison HF 20 series filter package includes three-stage filtration for up to 60 CFM (1699 L/min) compressors with a #10 SAE inlet fitting, on / off ball valve and a #10 SAE fitting for a divers hose. It is recommended for the Quincy 325 and Champion R15 pumps. Various options as well as an aluminum frame are available with this package.

HANKISON HF 24 FILTER PACKAGE

The LP Hankison HF 24 series filter package includes three-stage filtration for up to 100 CFM (2831 L/min) compressors with a #12 SAE inlet fitting, on / off ball valve and a #12 SAE fitting for a divers hose. It is recommended for the Quincy 370 and Quincy 5120 pumps. Variations of this package are available.

OSHA GRADE D AIR STATEMENT

With proper equipment, maintenance, testing and operation, Nuvair supplied filtration products can meet CGA Grade D specifications.

NUVAIR PRO O_2 ALARM ANALYZER

The Pro O_2 Alarm is designed for in-line measurement of oxygen in a mixed gas. The alarms featured in this model include two audible alarms for high and low percentages and an analog output for shutting down your compressor automatically. It is compatible with nitrox, heliox and trimix.

Please Note: Never expose gas sensors to pressure or you may cause damage and/or false readings. Damaged sensors will not provide accurate gas analysis. Inaccurate gas analysis can lead to serious personal injury or death. Most gas analyzers can be used to analyze a regulated gas sample flow, the contents of a gas cylinder or the flow from a regulator. To produce this flow, a flow restrictor and regulator may be required.

Panel Mount

Handheld

SPECIFICATIONS*

Panel Mount SKU: 9612 | Handheld SKU: 9611

Flow Rate	0.5 - 2 L/min
Resolution	±0.1% oxygen
Repeatability	±1% volume O_2 @ 100% O_2, applied for 5 min
Linearity	±1% over full scale if sensor well calibrated and @ constant temperature, pressure and gas flow
Sensor Type	Electrochemical
Expected Sensor Life	Up to 48 months under normal operating conditions in air
Range	0-100% oxygen
Alarms	Two user-programmable audible and visual alarms
Response Time	<15 seconds for 90% response; <25 seconds for 97% response
Operating Temperature	41° to 104°F (5° to 40°C)
Operating Humidity	0 to 95% rh, non-condensing
Storage Temperature	5° to 122° F (-15° to 50° C)
Power	9 V alkaline battery, rechargeable lithium battery, 110/220 V wall plug-in or 12 V DIN rail (panel mount only)
Dimensions (L x W x H)	4 x 2 x 5.5 in (10.2 x 5 x 14 cm) panel mount 2.5 x 1.75 x 4.25 in (6.3 x 4.5 x 10.8 cm) handheld
Weight	9 ox (255 g) panel mount / 7.8 (221 g) handheld
Warranty	0 - 12 months 100% parts and labor 13 - 18 months 50% off sensor only 19 - 24 months 25% off sensor only 25+ months no warranty coverage

*All specifications are at ambient / sea level, 77°F (25°C) and are subject to change without notice.

FEATURES

- On / off switch
- Display range of 0.0-100%
- Low battery warning indicator
- (2) High / low custom audible & visual alarms
- 4-20 mA analog output for external devices
- Capable of shutting down compressor at set alarm
- Replacement sensor: 9507M

ADVANTAGES

- Fast response
- Made to test breathing gases
- Easy to operate, reliable and accurate
- Long-life electrochemical sensor
- Automatic calibration

NUVAIR PRO CO LOW PRESSURE ALARM ANALYZER

The Pro CO Analyzer with low pressure alarm is made for the surface supply working diver that is required to have a carbon monoxide analyzer and low pressure alarm. This analyzer measures carbon monoxide (CO) levels in gases in the range of 0 to 100 parts per million (ppm). It can be used to measure the CO content in gas mixes that may be contaminated due to the introduction of CO from internal combustion engines or other devices where CO is a by-product. The low pressure alarm is connected to the volume tank and supplies a loud alarm if the air pressure drops below the set pressure. The water resistant case includes a digital display and controls that are environmentally sealed. Pressurized gases must be regulated to avoid damage to the analyzer.

FEATURES

- Compressor mounted instrument
- LCD display
- On / off switch
- Rugged weatherproof housing
- Requires very little maintenance
- Low power consumption
- Long life electrochemical sensor
- Battery test function
- Easy to operate, reliable and accurate
- Audible and visual alarms
- Pressure switch factory set @ 90 psi (other settings available)
- Made to test breathing gasses**

SPECIFICATIONS*

SKU: 9621.5-LB

Flow Rate	0.5 - 1 L/min
Resolution	1 ppm
Repeatability	<+5%
Accuracy	±5%
Sensor Type	Electrochemical
Expected Sensor Life	>24 months in normal use from date of manufacture
Range	0-50 ppm CO
Alarms	Two user-programmable audible and visual alarms
Response Time	<50 seconds over complete temperature range
Operating Temperature	14° to 122°F (-10° to 50°C) continuous -4° to 122°F (-22° to 50°C) intermittent
Operating Humidity	Non-condensing: 15-90% continuous, 0-99% intermittent
Storage Temperature	14° to 140°F (-10° to 60°C)
Power	Rechargeable lithium battery
Dimensions	6 x 6 x 5 in (15 x 15 x 13 cm)
Warranty	12 months from date of purchase

Please Note: Never expose gas sensors to pressure or you may cause damage and/or false readings. Damaged sensors will not provide accurate gas analysis. Inaccurate gas analysis can lead to serious personal injury or death. Most gas analyzers can be used to analyze a regulated gas sample flow, the contents of a gas cylinder or the flow from a regulator. To produce this flow, a flow restrictor and regulator may be required.

*All specifications are at ambient / sea level, 77°F (25°C) and are subject to change without notice. **Calibration must be confirmed with calibration CO test gas.

NUVAIR PRO CO LOW PRESSURE & HIGH TEMP ALARM ANALYZER

This Pro CO Alarm Analyzer combines carbon monoxide detection, a low pressure alarm, an external high temperature sensor and a low pressure flow meter / regulator. Components are mounted in a water and impact-resistant case with a clear cover that is compatible with outdoor and marine environments. Available in two power options.

FEATURES

- Tank readings through restrictor or in-line monitoring on compressor
- On / off button
- Temperature compensated sensor
- User replaceable battery options
- Low battery warning indicator
- Electrochemical sensor

ADVANTAGES

- Two programmable audible and visual threshold alarms
- Alarm at set point or 10 ppm CO
- Fast response
- Made to test breathing gases**
- Easy to operate, reliable and accurate
- Optional relays for external alarm or compressor control

SPECIFICATIONS*

SKU: 9621

Flow Rate	0.5 - 1 L/min
Resolution	1 ppm
Repeatability	<+5%
Accuracy	±5%
Sensor Type	Electrochemical
Expected Sensor Life	>24 months in normal use from date of manufacture
Range	0-50 ppm CO
Alarms	Two user-programmable audible and visual alarms
Response Time	<50 seconds over complete temperature range
Operating Temperature	14° to 122°F (-10° to 50°C) continuous -4° to 122°F (-22° to 50°C) intermittent
Operating Humidity	Non-condensing: 15-90% continuous, 0-99% intermittent
Storage Temperature	14° to 140°F (-10° to 60°C)
Power	Rechargeable lithium battery or 110/220 V wall plug-in
Dimensions	6 x 6 x 5 in (15 x 15 x 13 cm)
Warranty	12 months from date of purchase

Please Note: Never expose gas sensors to pressure or you may cause damage and/or false readings. Damaged sensors will not provide accurate gas analysis. Inaccurate gas analysis can lead to serious personal injury or death. Most gas analyzers can be used to analyze a regulated gas sample flow, the contents of a gas cylinder or the flow from a regulator. To produce this flow, a flow restrictor and regulator may be required.

*All specifications are at ambient / sea level, 77°F (25°C) and are subject to change without notice. **Calibration must be confirmed with calibration CO test gas.

NUVAIR PRO 4 WARN ALARM ANALYZER

Looking for a complete solution to monitor your air or nitrox compressor package? Look no further; we have created the Pro 4 Warn, a compact, water resistant enclosure containing all monitors and alarms in a simple to use and easy to read format. The Pro 4 Warn combines our oxygen, carbon monoxide and carbon dioxide analyzers into one enclosure with our electronic moisture monitor and compressor high temp alarm.

FEATURES

- Audible and visual alarms for O_2, H_2O, CO, CO_2 and high temp
- On / off buttons for individual monitors
- Fast response and accurate
- Temperature compensated sensors
- User replaceable batteries and sensors
- Low battery warning indicators
- Factory reset

ADVANTAGES

- Programmable alarm thresholds
- Audible and visual alarms
- Fast response
- High temp switch
- Compact water resistant container
- Made to test breathing gases
- Easy to operate, reliable and accurate
- Optional relays for external alarm or compressor control

SKU: 9604

CO_2 Analyzer:

- 0-2500 is 50 ppm range CO_2
- Better than 50 ppm accuracy

Moisture Monitor:

- Audible visual alarms for high moisture content in filters
- Warning light for filter changes

High Temp Alarm:

- Audible visual alarms for high temperatures at the final stage
- Relays to shut down compressor

Oxygen Analyzer:

- 0.1-100% range O_2 monitor
- 36 month electrochemical sensor
- ± 1% accuracy

CO Analyzer:

- 0-50 ppm range CO monitor
- 18 month electrochemical sensor
- ±1% accuracy

Please Note: Never expose gas sensors to pressure or you may cause damage and/or false readings. Damaged sensors will not provide accurate gas analysis. Inaccurate gas analysis can lead to serious personal injury or death. Most gas analyzers can be used to analyze a regulated gas sample flow, the contents of a gas cylinder or the flow from a regulator. To produce this flow, a flow restrictor and regulator may be required.

NUVAIR PRO CO_2 ANALYZER

The Pro CO_2 Alarm Analyzer measures carbon dioxide levels of breathing gas mixtures and air. We offer three models that can be connected in-line on your high or low pressure compressor for continuous monitoring of any CO_2 contamination in your gas. The CO_2 sensor is auto calibrating and provides a temperature compensated, linear CO_2 measurement over sensing range.

FEATURES

- On / off switch
- Low battery warning indicator
- Two custom audible and visible alarms for low and high set points
- Optional relays for external alarm or compressor control
- Single charge battery life is 20 hours

ADVANTAGES

- Fast response
- Made to test breathing gases
- Easy to operate, reliable and accurate
- Non-dispersive infrared technology
- Modulated infrared light source = no moving parts

Waterproof Box
-Only available with rechargeable lithium battery

Panel Mount

Handheld

SPECIFICATIONS

	SKU: 9624 panel mount / SKU: 9625 handheld / SKU: 9615 waterproof box
Flow Rate	0.5-1 L/min
Resolution	1 ppm
Repeatability	±2% of full scale @ 68°F (20°C)
Linearity	At ambient temp and constant pressure: ± 2% FSD or ± 10% of the reading, whichever is greater
Sensor Type	NDIR non-dispersive infrared
Expected Sensor Life	5 years
Range	0-2000 ppm
Alarms	(2) User-programmable audible and visual alarms
Response Time	< 30 seconds @ 68°F (20°C) ambient
Warm-up Time	1 minute @ 68°F (20°C) ambient to final zero ± 0.2% of range; 10 minutes for maximum accuracy
Operating Temperature	-4° to 122°F (-20° to 50°C)
Operating Humidity	0 to 95% rh, non-condensing
Storage Temperature	-4° to 122°F (-20° to 50°C)
Power	Rechargeable lithium battery, 110/230 V wall plug-in or DIN rail (9617 only)
Dimensions (L x W x H)	4 x 2 x 5.5 in (10.2 x 5 x 14 cm) panel mount 2.5 x 1.75 x 4.25 in (6.3 x 4.5 x 10.8 cm) handheld 3.9 x 8.7 x 7.5 in (9.9 x 22.1 x 19.1 cm) waterproof box
Weight	9 oz (0.3 kg) panel mount / 7.8 oz (0.22 kg) handheld 2 lbs 8 oz (1,270 g) waterproof box
Warranty	12 months

*All specifications are at ambient / sea level, 77°F (25°C) and are subject to change without notice.

Please Note: Never expose gas sensors to pressure or you may cause damage and/or false readings. Damaged sensors will not provide accurate gas analysis. Inaccurate gas analysis can lead to serious personal injury or death. Most gas analyzers can be used to analyze a regulated gas sample flow, the contents of a gas cylinder, or the flow from a regulator. The flow rate of gas must equal 1-5 L/min. To produce this flow, a flow restrictor and regulator may be required.

NUVAIR PRO CO ANALYZER WITH LP ALARM

This Pro CO Alarm Analyzer combines carbon monoxide detection, a low pressure alarm, an external high temperature sensor and a low pressure flow meter / regulator. Components are mounted in a water and impact-resistant case with a clear cover that is compatible with outdoor and marine environments. Available in two power options.

FEATURES

- Tank readings through restrictor or in-line monitoring on compressor
- On / off button
- Temperature compensated sensor
- User replaceable battery options
- Low battery warning indicator
- Electrochemical sensor

ADVANTAGES

- (2) programmable audible and visual threshold alarms
- Alarm at set point or 10 ppm CO
- Fast response
- Made to test breathing gases**
- Easy to operate, reliable and accurate
- Optional relays for external alarm or compressor control

Pro CO Analyzer Only
Compressor mounted with relay capability for shutdown.

SPECIFICATIONS*

	SKU: 9621
Flow Rate	0.5-1 L/min
Resolution	1 ppm
Repeatability	<+5%
Accuracy	±5%
Sensor Type	Electrochemical
Expected Sensor Life	>24 months
Range	0-0 ppm CO
Alarms	(2) User-programmable audible and visual alarms
Response Time	<50 seconds over complete temperature range
Operating Temperature	14° to 122°F (-10° to 50°C) continuous -4° to 122°F (-20° to 50°C) intermittent
Operating Humidity	15-90% continuous, 0-99% intermittent
Storage Temperature	14° to 140°F (-10° to 60°C)
Power	Rechargeable lithium battery or 110/230 V wall plug-in
Warranty	12 Months

Please Note: Never expose gas sensors to pressure or you may cause damage and/or false readings. Damaged sensors will not provide accurate gas analysis. Inaccurate gas analysis can lead to serious personal injury or death. Most gas analyzers can be used to analyze a regulated gas sample flow, the contents of a gas cylinder, or the flow from a regulator. The flow rate of gas must equal 1-5 L/min. To produce this flow, a flow restrictor and regulator may be required.

*All specifications are at ambient / sea level, 77°F (25°C). **Calibration must be done with calibration CO test gas.

NOTES

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