

Nuvair

Compressed Gas Solutions



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About Us

Nuvair has been manufacturing low and high pressure breathing air systems for the working diver for over 20 years. In recent years Nuvair has expanded beyond diving into the Fire & Safety, Industrial and Paintball compressor markets as well. We offer standard and custom configurations for a wide variety of stationary and portable installations. Nuvair can create customized compressors to meet your specific needs and guide you through the many configurations that the compressor packages can be purchased in. Our staff understands that needs, 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 configurations of tried and true compressor brands combined with electric, gas or diesel motors of the same caliber.

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

The Company's CEO and founder, Glenn Huebner, is the innovative force behind many of the Company's Nitrox Systems. He has a Bachelor's of Science Degree in Finance from California State University, Northridge and over 25 years experience in commercial and sport diving and the use of gas producing systems.

The Company's Production Manager, Danny Graham, assists in the technical design of the Company's products and is responsible for coordinating the manufacturing process. He is a certified compressor repair technician and has over 15 years experience in the commercial and sport diving industry.



Nitrox Solutions



Analyzers



Compressors



Panels and Fill Stations



Compressor Accessories



Fill Containment Stations

Coltri/Nuvair Portable

The compact dimensions and light weight of this compressor make it very easy to transport and operate. These compressors are ideal for filling cylinders at home, on boats or on dive trips. Fill hose and air filtration system included.



Stainless Steel Option Pictured



Features

- Excellent Portability
- 4500 PSI Max Pressure
- Grade E Breathing Air Filtration
- Hour Meter Standard on Gas Unit

Options

- Pressure Switch
- Automatic Condensate Drains
- Hour Meter
- Stainless Steel Frame
- Visual CO/Moisture Indicator
- Inverter Drive for use with Smaller Generators

Model	MCH6 / 3 E	MCH6 / 3.5 E	MCH6 / 3.5 G
Filling Time*	Approx. 23 Minutes	Approx. 19 Minutes	Approx. 19 Minutes
Cubic Feet/Minute	2.8 FAD 3.4 SCFM*	3.5 FAD 4.2 SCFM*	3.5 FAD 4.2 SCFM*
Liters/Minute	80 FAD	100 FAD	100 FAD
Motor Options	Single Phase Electric	Three Phase Electric	Honda Gas (Part# 8013)
115 V - E1 - 50 or 60 Hz	28 Amp (Part# 8015)**	N/A	
230 V - E1 - 50 or 60 Hz	14 Amp (Part# 8014.1)**	N/A	N/A
230 V - E3 - 50 or 60 Hz	N/A	11 Amp (Part# 8016.4)**	N/A
Driven by	3 hp (2.2 kW)	4 hp (3 kW)	5.5 hp (4 kw)
Max Operating Pressure	4500 PSI (310 Bar)	4500 PSI (310 Bar)	4500 PSI (310 Bar)
RPM	2240	2800	2800
Number of Stages	4	4	4
Number of Fill Hoses	1	1	1
Condensate Drain	Manual	Manual	Manual
Sound Level @ 3 Meters	82 dB	83 dB	87 dB
Dimensions: (H x W x D)	15.5 in x 26.5 in x 15 in (39 x 67 x 38 cm)	15 in x 26 in x 15 in (38 x 65 x 38 cm)	15 in x 31 in x 14 in (38 x 79 x 36 cm)
Weight	90 lbs (41 kg)	88 lbs (40 kg)	84 lbs (38 kg)
Lubrication	Splash Lubrication, capacity 11 oz.		
Air Quality	DIN 3188 - CGA Grade E - NFPA 1500 - EN12021		

* Single 80 Cu.. Ft. cylinder from 500 to 3000 PSI

** Part number reflects 60Hz Model. Inquire about 50 Hz Model

Coltri/Nuvair Compact Portable

The sturdy enclosure and easily accessible lifting handles on this series of compressors makes it ideal for portable applications. It is available in a full range of electric and gas power for filling cylinders at home, at the dive shop or on boats. Fill hose and air filtration system included.

Features

- Excellent Portability
- 4500 PSI Max Pressure
- Grade E Breathing Air Filtration
- Hour Meter Standard on Gas Unit
- Protective Frame

Options

- Pressure Switch
- Automatic Condensate Drains
- Hour Meter
- Stainless Steel Frame
- Visual CO/Moisture Indicator
- Inverter Drive for use with Small Generators



Model	MCH6 / 3 E	MCH6 / 3.5 E	MCH6 / 3.5 G
Filling Time*	Approx. 23 Minutes	Approx. 19 Minutes	Approx. 19 Minutes
Cubic Feet/Minute	2.8 FAD 3.4 SCFM*	3.5 FAD 4.2 SCFM*	3.5 FAD 4.2 SCFM*
Liters/Minute	80 FAD	100 FAD	100 FAD
Motor Options	Single Phase Electric	Three Phase Electric	Honda Gas (Part# 8013-C)
115 V - E1 - 50 or 60 Hz	28 Amp (Part# 8015-C)**	N/A	
230 V - E1 - 50 or 60 Hz	14 Amp (Part# 8014.1-C)**	N/A	N/A
230 V - E3 - 50 or 60 Hz	N/A	11 Amp (Part# 8016.2-C)**	N/A
Driven by	3 hp (2.2 kW)	4 hp (3 kW)	5.5 hp (4 kw)
Max Operating Pressure	4500 PSI (310 Bar)	4500 PSI (310 Bar)	4500 PSI (310 Bar)
RPM	2240	2800	2800
Number of Stages	4	4	4
Number of Fill Hoses	1	1	1
Condensate Drain	Manual	Manual	Manual
Sound Level @ 3 Meters	82 dB	83 dB	87 dB
Dimensions: (H x W x D)	19 in x 29 in x 14.5 in (48 x 74 x 37 cm)	19 in x 29 in x 14.5 in (48 x 74 x 37 cm)	19 in x 29 in x 14.5 in (48 x 74 x 37 cm)
Weight	126 lbs (57 kg)	126 lbs (57 kg)	121 lbs (55 kg)
Lubrication	Splash Lubrication, capacity 11 oz.		
Air Quality	DIN 3188 - CGA Grade E - NFPA 1500 - EN12021		

* Single 80 Cu.. Ft. cylinder from 500 to 3000 PSI

** Part number reflects 60Hz Model. Inquire about 50 Hz Model

Coltri/Nuvair Standard Electric

The Nuvair Standard Electric uses a pumping unit that is made from top quality materials; connecting rods from aluminum alloy, stainless steel intercoolers and aftercoolers that are more than four meters in length, and cylinders of special cast iron. The electric motor uses an aluminum housing to keep weight to a minimum, making the station very compact.

Features

- 5000 PSI Max Pressure
- Grade E Filtration
- 2 Fill Whips
- Electric
- Stainless Steel Intercoolers

Options

- Motor Starter
- Automatic Condensate Drains
- Pressure Switch
- Hour Meter
- High Temp Shut Down
- Low Oil Shut Down
- Interstage Pressure Gauges
- Stainless Frame
- Visual CO/Moisture Indicator



Model	MCH13 / 5	MCH13 / 7	MCH16 / 9
Filling Time*	Approx. 11 Minutes	Approx. 9 Minutes	Approx. 7.4 Minutes
Cubic Feet/Minute	4.7 FAD 6.6 SCFM*	7.6 FAD 8.9 SCFM*	9.4 FAD 10.8 SCFM*
Liters/Minute	135 FAD	215 FAD	265 FAD
Motor Options	Single or Three Phase	Single or Three Phase	Single or Three Phase
230 V - E1 - 50 or 60 Hz	19 Amp	25 Amp (Part# 8020.1)**	34 Amp (Part# 8022.1)**
230 V - E3 - 50 or 60 Hz	11 Amp	14 Amp (Part# 8019.2)**	20 Amp (Part# 8022.2)**
440 V - E3 - 50 or 60 Hz	N/A	7 Amp (Part# 8019.3)**	10 Amp (Part# 8022.3)**
Driven by	4 hp (3 kW)	5.5 hp (4 kW)	7.5 hp (5.5 kw)
Max Operating Pressure	5000 PSI (345 Bar)	5000 PSI (345 Bar)	5000 PSI (345 Bar)
RPM	890	1350	1550
Number of Stages	3	3	3
Number of Fill Hoses	2	2	2
Condensate Drain	Manual	Manual	Manual
Sound Level @ 3 Meters	75 dB	81 dB	82 dB
Dimensions: (H x W x D)	25 in x 34 in x 18 in (64 x 86 x 45 cm)	25 in x 34 in x 18 in (64 x 86 x 45 cm)	25 in x 34 in x 18 in (64 x 86 x 45 cm)
Weight	218 lbs (99 kg)	218 lbs (99 kg)	240 lbs (109 kg)
Lubrication	Splash Lubrication, capacity 1.6 qts.		
Air Quality	DIN 3188 - CGA Grade E - NFPA 1500 - EN12021		

* Single 80 Cu.. Ft. cylinder from 500 to 3000 PSI

** Part number reflects 60Hz Model. Inquire about 50 Hz Model

Coltri/Nuvair Mini Tech

The Mini Tech is our go to Compressor set up for a wide variety of applications in both breathing air and industrial air use. Compact design and fold away handles make for easy lifting and portability of the compressor. On board Grade E air purification insures breathing air quality standards. A wide variety of customized options to meet individual needs are noted on the options list below. If portability and dependability are top on your list, this is the compressor for you.

Features

- 5000 PSI Max Pressure
- Grade E Filtration
- 2 Fill Whips
- Electric or Honda Gas or Diesel Motor
- Stainless Steel Intercoolers
- 4 Lifting Handles
- All important parts are protected inside frame
- Superior Vibration Isolation

Options

- Motor Starter/Electric Start
- Automatic Condensate Drains
- Pressure Switch
- Hour Meter
- High Temp Shut Down
- Low Oil Shut Down
- Interstage Pressure Gauges
- Stainless Frame
- Visual CO/Moisture Indicator
- Lifting Eyes



Model	MCH13 / 7	MCH16 / 9
Filling Time*	Approx. 9 Minutes	Approx. 7.4 Minutes
Cubic Feet/Minute	7.6 FAD 8.9 SCFM*	9.4 FAD 10.8 SCFM*
Liters/Minute	215 FAD	265 FAD
Motor Options	Single or Three Phase	Single or Three Phase
230 V - E1 - 50 or 60 Hz	25 Amp 5.5 hp (4 kW) (Part# 8040.1)**	34 Amp 7.5 hp (5.5 kw) (Part# 8037.1)**
230 V - E3 - 50 or 60 Hz	14 Amp 5.5 hp (4 kW) (Part# 8040.2)**	20 Amp 7.5 hp (5.5 kw) (Part# 8037.2)**
440 V - E3 - 50 or 60 Hz	7 Amp 5.5 hp (4 kW) (Part# 8040.3)**	10 Amp 7.5 hp (5.5 kw) (Part# 8037.3)**
Honda Gas	6.5 hp (4.1 kW)	9 hp (6.6 kW) (Part# 8038)
Yanmar Diesel	N/A	10 hp (7.5kW) (Part# 8038-DY)
Kohler Diesel	N/A	10 hp (7.5kW) (Part# 8038-DL)
Max Operating Pressure	5000 PSI (345 Bar)	5000 PSI (345 Bar)
RPM	1350	1550
Number of Stages	3	3
Number of Fill Hoses	2	2
Condensate Drain	Manual	Manual
Sound Level @ 3 Meters	81 dB	80-96 dB
Dimensions: (H x W x D)	24 in x 45 in x 22 in (61 x 114 x 56 cm)	
Weight	320-421 lbs (145-191 kg)	
Lubrication	Splash Lubrication, capacity 1.6 qts.	
Air Quality	DIN 3188 - CGA Grade E - NFPA 1500 - EN12021	

* Single 80 Cu.. Ft. cylinder from 500 to 3000 PSI

** Part number reflects 60Hz Model. Inquire about 50 Hz Model

Coltri/Nuvair 250

The Tech 250 has the features of the Mini Tech plus a panel for gauges, fill whips or anything else that you would like mounted on it. There is also extra room for upgraded filtration.

Features

- 5000 PSI Max Pressure
- Grade E Filtration
- 2 Fill Whips
- Electric or Honda Gas Motor
- Stainless Steel Intercoolers
- 4 Lifting Handles
- All Important Parts are Protected Inside Frame
- Superior Vibration Isolation
- Gauge Panel
- Removable Air Intake Snorkel

Options

- Motor Starter/Electric Start
- Automatic Condensate Drains
- Pressure Switch
- Hour Meter
- High Temp Shut Down
- Low Oil Shut Down
- Interstage Pressure Gauges
- Stainless Frame
- Visual CO/Moisture Indicator
- Upgrade Filtration



Model	MCH16 / 250
Filling Time*	Approx. 7.4 Minutes
Cubic Feet/Minute	9.4 FAD 10.8 SCFM*
Liters/Minute	265 FAD
Motor Options	Single or Three Phase
230 V - E1 - 50 or 60 Hz	34 Amp 7.5 hp (5.5 kw) (Part# 8030.1)
230 V - E3 - 50 or 60 Hz	20 Amp 7.5 hp (5.5 kw) (Part# 8031.2)
440 V - E3 - 50 or 60 Hz	10 Amp 7.5 hp (5.5 kw) (Part# 8031.3)
Honda Gas (Electric Start)	9 hp (6.6 kW) (Part# 8027-EL)
Yanmar Diesel (Electric Start)	10 hp (7.5kW) (Part# 8028-DY-EL)
Kohler Diesel (Electric Start)	10 hp (7.5kW) (Part# 8029-DL-EL)
Max Operating Pressure	5000 PSI (345 Bar)
RPM	1550
Number of Stages	3
Number of Fill Hoses	2
Condensate Drain	Manual
Sound Level @ 3 Meters	80-96 dB
Dimensions: (H x W x D)	31 in x 44 in x 23 in (79 x 112 x 58 cm)
Weight	320-421 lbs (145-191 kg)
Lubrication	Splash Lubrication, capacity 1.6 qts.
Air Quality	DIN 3188 - CGA Grade E - NFPA 1500 - EN12021

* Single 80 Cu.. Ft. cylinder from 500 to 3000 PSI

** Part number reflects 60Hz Model. Inquire about 50 Hz Model

Coltri/Nuvair Compact & EVO (Models 7 and 9)

The Compact Series includes a semi-sound proofed filling station. The compressor switches off automatically when the pressure level set by the operator is reached. Condensate is discharged automatically. External access simplifies oil level monitoring and changes. The Compact is also offered as an EVO model with Interstage Pressure Gauges, High Temp, and Low Oil Shutdown included.

Features

- Motor Starter
- Automatic Condensate Drains
- Dial-A-Pressure Switch
- Hour Meter
- Semi-Sound Proofed Cabinet
- External Oil Sight Gauge
- Grade E Filtration
- Automatic Stop

Options (included on EVO models)

- Interstage Pressure Gauges
- High Temp Shut Down
- Low Oil Shut Down
- Visual CO/Moisture Indicator



EVO Cabinet

Model	MCH13 / 7	MCH16 / 9
Filling Time*	Approx. 9 Minutes	Approx. 7.4 Minutes
Cubic Feet/Minute	7.6 FAD 8.9 SCFM*	9.4 FAD 10.8 SCFM*
Liters/Minute	215 FAD	265 FAD
Motor Options	Single or Three Phase	Single or Three Phase
230 V - E1 - 50 or 60 Hz	25 Amp	34 Amp (Part# 8033.1)**
230 V - E3 - 50 or 60 Hz	14 Amp	20 Amp (Part# 8032.2)**
440 V - E3 - 50 or 60 Hz	7 Amp	10 Amp (Part# 8032.3)**
Motor Power	5.5 hp (4 kW)	7.5 hp (5.5 kW)
Max Operating Pressure	5000 PSI (345 Bar)	5000 PSI (345 Bar)
RPM	1350	1550
Number of Stages	3	3
Number of Fill Hoses	2	2
Condensate Drain	Automatic	Automatic
Fill Pressure Stop	Automatic	Automatic
Sound Level @ 3 Meters	79 dB	81 dB
Dimensions***: (H x W x D)	33 in x 35 in x 24 in (84 x 89 x 60 cm)	33 in x 35 in x 24 in (84 x 89 x 60 cm)
Weight	310-400 lbs (141-181 kg)	332-430 lbs (151-195 kg)
Lubrication	Splash Lubrication, capacity 1.6 qts.	
Air Quality	DIN 3188 - CGA Grade E - NFPA 1500 - EN12021	

***Single phase enclosure 33 in x 42 in x 28 in (84 x 105 x 70 cm)

*Single 80 Cu. Ft. cylinder from 500 to 3000 PSI

** Part number reflects 60Hz Model. Inquire about 50 Hz Model

Coltri/Nuvair Compact (Models 14 and 18)

The filling station utilizes two completely independent compressors for reliability and versatility. Operation is fully automatic and up to four cylinders can be filled simultaneously as well as storage banks. The container is lined with a sound reduction material which limits noise. The Compact can be used with our LP280 to produce Nitrox you can pump 18 CFM at 32% using both compressors, or up to 40% at 9 CFM using one compressor.

Features

- Motor Starter
- Automatic Condensate Drains
- Dial-A-Pressure Switch
- Hour Meter
- Semi-Sound Proofed Cabinet
- External Oil Sight Gauge
- Grade E Filtration
- Automatic Stop

Options:

- Visual CO/Moisture Indicator
- Additional Filtration



Model	MCH26 / 14	MCH32 / 18
Filling Time*	Approx. 4.5 Minutes	Approx. 3.7 Minutes
Cubic Feet/Minute	14.8 FAD 17.8 SCFM*	18.4 FAD 21.6 SCFM*
Liters/Minute	420 FAD	520 FAD
Motor Options	Single or Three Phase	Three Phase
230 V - E1 - 50 or 60 Hz	2 x 25 Amp	N/A
230 V - E3 - 50 or 60 Hz	2 x 14 Amp	2 x 20 Amp (Part# 8036.2)**
440 V - E3 - 50 or 60 Hz	2 x 7 Amp	2 x 10 Amp (Part# 8036.3)**
Motor Power	2 x 5.5 hp (4 kW)	2 x 7.5 hp (5.5 kw)
Max Operating Pressure	5000 PSI (345 Bar)	5000 PSI (345 Bar)
RPM	1350	1550
Number of Stages	3	3
Number of Fill Hoses	4	4
Condensate Drain	Automatic	Automatic
Fill Pressure Stop	Automatic	Automatic
Sound Level @ 3 Meters	72 dB	75 dB
Dimensions: (H x W x D)	53 in x 35 in x 34 in (133 x 89 x 85 cm)	53 in x 35 in x 34 in (133 x 89 x 85 cm)
Weight	629 lbs (286 kg)	673 lbs (306 kg)
Lubrication	Splash Lubrication, capacity 2 x 1.6 qts.	
Air Quality	DIN 3188 - CGA Grade E - NFPA 1500 - EN12021	

* Single 80 Cu.. Ft. cylinder from 500 to 3000 PSI

** Part number reflects 60Hz Model. Inquire about 50 Hz Model

Coltri/Nuvair Mini Silent

The Mini Silent Series uses a very compact, sound proofed container. Completely automatic operation ensures that the compressor switches off when the maximum pressure set on the dial a pressure switch is reached. The condensate periodically drains through automatic pneumatic valves into a collection tank. Due to it's small footprint this compressor is great for use in boats and shops.

Features:

- Motor Starter
- Automatic Condensate Drains
- Dial-A-Pressure Switch
- Hour Meter
- Sound Proof Cabinet
- External Oil Sight Gauge
- Grade E Filtration
- Automatic Stop

Options:

- Interstage Pressure Gauges
- High Temp Shut Down
- Low Oil Shut Down
- Visual CO/Moisture Indicator
- Additional Filtration



Model	MCH13 / 7	MCH16 / 9
Filling Time*	Approx. 9 Minutes	Approx. 7.4 Minutes
Cubic Feet/Minute	7.6 FAD 8.9 SCFM*	9.4 FAD 10.8 SCFM*
Liters/Minute	215 FAD	265 FAD
Motor Options	Single or Three Phase	Three Phase
230 V - E1 - 50 or 60 Hz	25 Amp	N/A
230 V - E3 - 50 or 60 Hz	14 Amp	20 Amp (Part# 8034.2)**
440 V - E3 - 50 or 60 Hz	7 Amp	10 Amp (Part# 8034.3)**
Motor Power	5.5 hp (4 kW)	7.5 hp (5.5 kw)
Max Operating Pressure	5000 PSI (345 Bar)	5000 PSI (345 Bar)
RPM	1350	1550
Number of Stages	3	3
Number of Fill Hoses	2	2
Condensate Drain	Automatic	Automatic
Fill Pressure Stop	Automatic	Automatic
Sound Level @ 3 Meters	72 dB	75 dB
Dimensions: (H x W x D)	42 in x 28 in x 25 in (105 x 70 x 62 cm)	42 in x 28 in x 25 in (105 x 70 x 62 cm)
Weight	390 lbs (177 kg)	410 lbs (187 kg)
Lubrication	Splash Lubrication, capacity 1.6 qts.	
Air Quality	DIN 3188 - CGA Grade E - NFPA 1500 - EN12021	

*Single 80 Cu. Ft. cylinder from 500 to 3000 PSI

** Part number reflects 60Hz Model. Inquire about 50 Hz Model

Coltri/Nuvair Super Silent EVO

The Super Silent EVO has been sound-proofed so well that only a sound level under 70 dB can be heard from just a few feet away. It is a fully automatic station with a complete range of instrumentation for ease of operation. The pump is a three-stage unit with cylinders made of special heavy duty cast iron. The compressed air is cooled with a stainless steel aftercooler that ensures the air entering the filter system is only 25° F hotter than the intake air. There are safety relief valves for each stage of compression. It has two condensate separators and one filter chamber with a replaceable cartridge. This ensures the air compressed into the cylinders is clean and free of contaminants.

Features:

- Motor Starter
- Automatic Condensate Drains
- Dial-A-Pressure Switch
- Hour Meter
- Interstage Pressure Gauges
- High Temp Shut Down
- Low Oil Shut Down with External Sight Gauge
- Sound-Proofed Cabinet
- Grade E Filtration
- Automatic Stop

Options:

- Visual CO/Moisture Indicator
- Additional Filtration



Model	MCH13 / 7	MCH 16 / 9
Filling Time*	Approx. 9 Minutes	Approx. 7.4 Minutes
Cubic Feet/Minute	7.6 FAD 8.9 SCFM*	9.4 FAD 10.8 SCFM*
Liters/Minute	215 FAD	265 FAD
Motor Options	Single or Three Phase	Three Phase
230 V - E1 - 50 or 60 Hz	25 Amp	N/A
230 V - E3 - 50 or 60 Hz	14 Amp	20 Amp (Part# 8035.2)**
440 V - E3 - 50 or 60 Hz	7 Amp	10 Amp (Part# 8035.3)**
Motor Power	5.5 hp (4 kW)	7.5 hp (5.5 kw)
Max Operating Pressure	5000 PSI (345 Bar)	5000 PSI (345 Bar)
RPM	1350	1550
Number of Stages	3	3
Number of Fill Hoses	2	2
Condensate Drain	Automatic	Automatic
Fill Pressure Stop	Automatic	Automatic
Sound Level @ 3 Meters	66 dB	69 dB
Dimensions: (H x W x D)	54 in x 36 in x 35 in (137 x 90 x 87 cm)	
Weight	466 lbs (177 kg)	488 lbs (187 kg)
Lubrication	Splash Lubrication, capacity 1.6 qts.	
Air Quality	DIN 3188 - CGA Grade E - NFPA 1500 - EN12021	

*Single 80 Cu. Ft. cylinder from 500 to 3000 PSI

** Part number reflects 60Hz Model. Inquire about 50 Hz Model

Coltri/Nuvair 26 Open

The 26 Open package is designed for high use in hot humid conditions and is rated for continuous duty use up to 6000psi. It has the MCH36 four stage compressor block with a 26.4SCFM charging rate. Purchase, maintenance and operation costs are significantly lower than similar sized compressors in the market place.

Features

- Open configuration for easy access and cool running
- Operation Panel with start/stop, “dial a pressure” automatic shut down, condensate test button, high temperature display, automatic shut down for high temperature and low oil, phase control (proper rotation) recognition, wrong voltage recognition, hour meter, stage and oil pressure gauges
- Low pressure oil pump, filter and oil level sight gauge
- Large Stainless Steel Interstage cooling tubes with large condensate separators
- Dual Filter Filtration 60,000 Cu.. Ft.

Options

- Visual CO/Moisture Indicator
- CO Analyzer
- Additional Filtration



Model	MCH30 / 21	MCH 36 / 26
Filling Time*	Approx. 4 Minutes	Approx. 3.3 Minutes
Cubic Feet/Minute	17.5 FAD 21 SCFM*	22 FAD 26.4 SCFM*
Liters/Minute	500 FAD	623 FAD
Motor	Three Phase	Three Phase
230 V - E3 - 60 Hz	31 Amp 15 hp (11 kw) (Part # 8042.2)	35.5 Amp 20 hp (15 kw) (Part # 8044.2)
400 V - E3 - 50 Hz	18 Amp 15 hp (11 kw) (Part # 8042.6)	20 Amp 20 hp (15 kw) (Part # 8044.6)
460 V - E3 - 60 Hz	16 Amp 15 hp (11 kw) (Part #8042.3)	22 Amp 20 hp (15 kw) (Part # 8044.3)
Max Operating Pressure	6000 PSI (414 Bar)	6000 PSI (414 Bar)
RPM	1100	1300
Number of Stages	4	4
Number of Fill Hoses	4	4
Condensate Drain	Automatic	Automatic
Fill Pressure Stop	Automatic	Automatic
Sound Level @ 3 Meters	75 dB	77 dB
Dimensions: (H x W x D)	60 in x 40 in x 30 in (153 x 102 x 76 cm)	
Weight	800 lbs (363 kg)	
Lubrication	Pressure Lubrication, capacity 4.5 qts.	
Air Quality	DIN 3188 - CGA Grade E - NFPA 1500 - EN12021	

*Single 80 Cu. Ft. cylinder from 500 to 3000 PSI

Coltri/Nuvair 26 Enclosed Silenced

High volume facilities where sound may be an issue should look at our Enclosed Silent 26.4 SCFM* charging rate compressor, rated for continuous duty at up to 6000psi. Unsurpassed in quality, reliability and price. The Enclosed Silenced package is designed for high use in work areas where noise can not be tolerated.

Features

- Substantial reductions in purchase, maintenance and operation costs as compared to our competition.
- Operation Panel with start/stop, "dial a pressure" automatic shut down, condensate test button, high temperature display, automatic shut down for high temperature & low oil, phase control (proper rotation) recognition, wrong voltage recognition, hour meter, stage & oil pressure gauges
- Automatic Condensate Drains and pressure free start/stop
- Low pressure oil pump, filter & oil level sight gauge
- Large Stainless Steel Interstage cooling tubes with large condensate separators
- Dual Filter Filtration 60,000 Cu.. Ft.
- 20hp or 15hp Electric 3 phase 60 or 50Hz



Options

- Visual CO/Moisture Indicator
- CO Analyzer
- Additional Filtration

Model	MCH30 / 21	MCH36 / 26
Filling Time*	Approx. 4 Minutes	Approx. 3.3 Minutes
Cubic Feet/Minute	17.5 FAD 21 SCFM*	22 FAD 26.4 SCFM*
Liters/Minute	500 FAD	623 FAD
Motor	Three Phase	Three Phase
230 V - E3 - 60 Hz	31 Amp 15 hp (11 kw) (Part # 8043.2)	35.5 Amp 20 hp (15 kw) (Part # 8045.2)
400 V - E3 - 50 Hz	18 Amp 15 hp (11 kw) (Part # 8043.6)	20 Amp 20 hp (15 kw) (Part # 8045.6)
460 V - E3 - 60 Hz	16 Amp 15 hp (11 kw) (Part # 8043.3)	22 Amp 20 hp (15 kw) (Part # 8045.3)
Max Operating Pressure	6000 PSI (414 Bar)	6000 PSI (414 Bar)
RPM	1100	1300
Number of Stages	4	4
Number of Fill Hoses	4	4
Condensate Drain	Automatic	Automatic
Fill Pressure Stop	Automatic	Automatic
Sound Level @ 3 Meters	68 dB	70 dB
Dimensions: (H x W x D)	65.5 in x 37 in x 52 in	(169 x 94 x 132 cm)
Weight	925 lbs (420 kg)	
Lubrication	Pressure Lubrication, capacity 4.5 qts.	
Air Quality	DIN 3188 - CGA Grade E - NFPA 1500 - EN12021	

*Single 80 Cu. Ft. cylinder from 500 to 3000 PSI

Nuvair Fill Containment Station

Features

- All Steel Construction
- Grade 8 Steel Construction
- 3rd Party Tested to Meet NFPA 1901 Standard
- Ergonomic Design for Easy Operation
- Vertical Blast Tubes Direct Air Blast and Debris Away from the Operator Should a Failure Occur
- Use with Existing Fill Controls
- Designed to Fit Scuba and SCBA Tanks
- Liners to Reduce Wear on Cylinders



Model	Cylinders	Pneumatic/ Manual	Dual/Single Pressure
NCC-2	2	Manual	Single
NSS-2P	2	Pneumatic	Single or Dual
NSS-3P	3	Pneumatic	Single or Dual
NSS-4P	3	Pneumatic	Single or Dual

Options

- Storage Bank Controls
- Nitrox compatible
- Panel for NCC-2
- HP Regulator
- Additional Gauges
- Whips - Scuba Yoke, Scuba DIN, SCBA
- Booster Pump
- O2 Cleaning



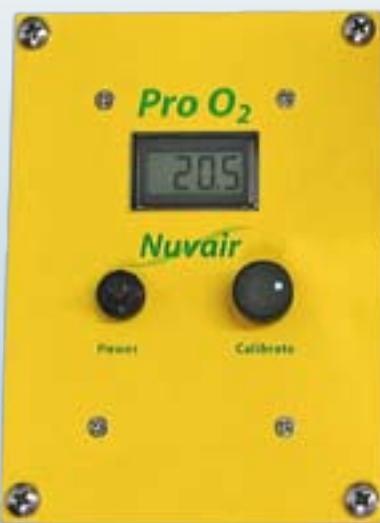
Model	Weight	Dimensions (H x W x D)
NCC-2	488 lbs (221 kg)	41 in x 26 in x 29 in (104x66x74 cm)
NSS-2	555 lbs (252 kg)	59 in x 26 in x 29 in (150x66x74 cm)
NSS-3	754 lbs (342 kg)	59 in x 41 in x 24 in (150x104x61 cm)
NSS-4	978 lbs (444 kg)	59 in x 49 in x 27 in (150x125x69 cm)

Options will change weight of cabinets



Pro O₂™ Oxygen Analyzer Series

Three Styles of Oxygen Analyzers to Accommodate Most Applications:
The Standard for Monitoring Nitrox



Pro O₂™ Advantages

(Part#9450)

- Internal Sensor
- Sample Low Pressure Gas Flow
- Direct High Pressure Gas Cylinder Analysis

Pro O₂ Remote™ Panel Mount Advantages

(Part#9460)

- External Sensor
- Ambient Pressure Gas
- Inline Monitoring
- Panel Mounted Version

Pro O₂ Remote™ Advantages

(Part#9452)

- External Sensor
- Ambient Pressure Gas
- Inline Monitoring
- Portable Version

Features

- Ideal for Nitrox Production Use
- On/Off Switch
- Easy Calibration
- User Replaceable Battery and Sensor
- Fast Response, Thermally Compensated Sensor
- Highly Accurate and Stable Output
- Completely Sealed, Water Resistant Housing

Specifications Pro O₂*

Range	0.1-100.0% Oxygen (0-1 ATA PPO2)
Display Accuracy	+/- 0.1%
Sensor Type	Electrochemical
Expected Sensor Life, Room Air	36 Months
Power	9V Alkaline Battery
Response Time	Less Than 6 Seconds to 90% of Final Value
Operating Temperature	32-104°F (0-40°C)
Storage Temperature	32-122°F (0-50°C)
Pressure	Sensitive to Partial Pressure
Humidity	0-99% RH (Non-Condensing)
Warranty	36 Months Pro-Rated

*All specifications are at ambient / sea level, 77°F (25°C)

Nuvair™ Pro He

Features

- Portable Instrument
- LCD Display
- On/Off Switch
- Rugged High Impact Plastic
- Watertight Enclosure
- Thermal Conductivity Sensor
- Accurate to +/-1%
- Requires Very Little Maintenance
- Low Power Consumption
- Battery Test Function
- AC Power Adapter



Specifications Pro He* (Part#HE)

Range	0.1-100.0% Helium in Oxygen and/or Nitrogen
Display Accuracy	+/- 1% at Constant Temperature and Pressure
Sensor Type	Solid State Thermal Conductivity (Helium)
Battery Power	4 C-Cell Alkaline Batteries ANSI-14A, IEC-LR14
Response Time	90% in Less than 5 Seconds
Operating Temperature	32-104°F (0-40°C)
Storage Temperature	32-122°F (0-50°C)
Display	3 1/2 in LCD
Battery Life	Approximately 150 Hours Continuous Use

*All specifications are at ambient / sea level, 77°F (25°C)

Nuvair™ Pro Trimix Helium/Oxygen Analyzer

Featured as a Portable Unit
Also Available as a Wall Mount

Features

- Oxygen Analysis with Long Life Sensor (35 Month)
- Thermal Conductivity Sensor
- On/Off Switch
- Operate for 150 Hours on Four (4) C Batteries or Operate Continuously with AC Power Adapter
- Power Adapter is 110-240 Volt, 50-60 Hz, and comes with many plug styles
- Easy to Read 3.5 in Digital LCD Display
- Battery Test Function

Portable

- Rugged High Impact Plastic
- Watertight Enclosure

Wall Mount

- Rugged Dust Tight Housing



Specifications Pro Trimix* (Part#HE-O2)

Range	0.1-100.0% Helium in Oxygen and/or Nitrogen 0-100% Oxygen in Nitrogen and/or Helium
Display Accuracy	Helium / Oxygen +/- 2% of FS at Constant Temperature; +/- 5% Over Operating Temperature Range
Sensor Type	Solid State Thermal Conductivity (Helium)
Power	4 C-Cell Alkaline Batteries ANSI-14A, IEC-LR14
Response Time	90% of Final Value in Less than 7 Seconds
Operating Temperature	32-104°F (0-40°C)
Storage Temperature	32-122°F (0-50°C)
Display	3 1/2 in LCD
Battery Life	Approximately 150 Hours Continuous Use

*All specifications are at ambient / sea level, 77°F (25°C)

Nuvair™ Pro CO

The Carbon Monoxide Analyzer For the Safe Diver

Advantages

- 2 Programable Alarm Thresholds
- Audible Alarm at set point or 10 ppm CO
- Fast Response
- Accuracy of +/- 1%
- Compact Water Resistant Container
- Made to Test Breathing Gases**
- Easy To Operate, Reliable and Accurate
- Optional Relays for External Alarm or Compressor Control

Features

- B.C. Flow Restrictor or Ambient Readings
- On/Off Button
- Accuracy of +/- 1%
- Response Time of 90% in less than 15 seconds
- Temperature Compensated Sensor
- User Replaceable Batteries
- Low Battery Warning Indicator
- 4-20 mA Output
- Factory Reset



Specifications Pro CO* (Part #9625)

Range	0-100 ppm CO
Display Accuracy	+/- 1%
Sensor Type	Electrochemical
Expected Cell Life, Room Air	18 Months
Power	9Volt battery
Response Time	less than 50 Seconds
Operating Temperature	41-104°F (5-40°C)
Storage Temperature	41-104°F (5 to 40°C)
Operating Humidity	15 to 90% r.h.
Warranty	12 Months

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

Nuvair™ 455

Premium Synthetic Food Grade Breathing Air Compressor Oil

HP and LP Reciprocating Compressors

Application

Nuvair™455 is an ISO 100 USDA H1 premium quality oil designed for use in high pressure and low pressure breathing air systems for the diving industry. The unique additive system, never before used in this application, is best possible for preventing wear and carbon residue buildup.

Nuvair™455 is suitable for use in reciprocating compressors operating on up to 40% oxygen enriched air. However, as the oxygen content increases, the oil life will decrease.

Characteristics

- Available in quart, gallon, and five-gallon containers
- Meets USDA H1 incidental contact requirements (FDA 21 CFR178.3570)
- Excellent oxidation resistance
- High Flash and Auto-ignition points provide safety
- Great material compatibility
- Rust and corrosion control
- Reduced varnish and carbon
- High film strength

<u>Typical Properties</u>	<u>ASTM Test Method</u>	<u>Nuvair™ 455</u>
SAE Grade		30
ISO Viscosity Grade	D2422	100
Viscosity, cSt @ 40°C cSt @ 104°F	D445	100 cSt
	D445	14.0
Viscosity Index	D2270	144
Pour Point °C °F	D97 D97	-35 -31
Flash Point °C °F	D92 D92	240 464
Demulsibility	D1401	Excellent
Specific Gravity	D1298	0.85
USDA Authorization	H1 or H2	H1

Nuvair™ 546

Food Grade Rotary Screw Compressor Oil

Application

Nuvair™ 546 is designed for 2,000 hours of use in rotary screw compressors where a food grade lubricant is needed. USDA H-1 rated Nuvair™ 546 meets all requirements under FDA Regulation 21 CFR 172.878 and 178.3570.

Characteristics:

- Available in quart, gallon, and five-gallon containers
- Improved thermal and oxidative stability over mineral oil
- Compatible with most seals, plastics, rubbers
- Wide operating temperature range
- Non-detergent
- Extended oil life reduces oil disposal, thus increasing cost effectiveness



<u>Typical Properties</u>	<u>ASTM Test Method</u>	<u>Nuvair™ 546</u>
SAE Grade		20
ISO Viscosity Grade	D-2422	46
Viscosity, cSt @ 104°F cSt @ 40°C	D-445	46 cSt
Viscosity Index	D-2270	145
Pour Point °C °F	D-97 D-97	-54 -65
Flash Point °C °F	D-92 D-92	260 500
Evaporation	D-972	1.0%
Foaming Sequence I, II, III	D-892	Nil
Copper Corrosion	D-130	1A
Specific Gravity	D-1298	0.84
USDA Authorization	H1 or H2	H-1
Demulsibility	D-1401	Excellent

Nuvair™ 751

Premium Synthetic Diester Based HP

Reciprocating Breathing Air Compressor Oil

Application

Nuvair™ 751 is a Diester/Organic compound blend, which is compatible with most currently used compressor components including seals, paints and plastics. However, some materials are not recommended for use with diester oils. Please contact Nuvair for further information. Certain conditions require accelerated oil changes, as there are many factors, including heat and oxidation that cause oil degradation. Call for our recommendation.

Characteristics:

- Available in quart, gallon, and five-gallon containers
- Outstanding thermal and oxidative stability
- Will not varnish or form carbon deposits
- Wide operating temperature range
- Built in detergency action
- Extended oil life reduces oil disposal, thus increasing cost effectiveness



<u>Typical Properties</u>	<u>ASTM Test Method</u>	<u>Nuvair™ 751</u>
SAE Grade		40
ISO Viscosity Grade	D-2422	150
Viscosity, cSt @ 104°F cSt @ 40°C	D-445	164cSt
Viscosity Index	D-2270	80
Pour Point °C °F	D-97 D-97	-34 -30
Flash Point °C °F	D-92 D-92	271 520
Carbon Residue	D-189	<0.02%
Evaporation	D-972	0.90%
Foaming Sequence I, II, III	D-892	Nil
Copper Corrosion	D-130	1A
Specific Gravity	D-1298	0.94
USDA Authorization	H1 or H2	H-2
Demulsibility	D-1401	Excellent

Nuvair™ 800

Application

Nuvair™ 800 is a high viscosity synthetic oil based on the latest technology. Using a highly stable triester base fluid, the product is designed for use in reciprocating compressors under adverse conditions of high temperature and high pressure.

Characteristics:

- Thermally stable
- No deposits
- Excellent heat transfer characteristics
- Low volatility
- Low toxicity

<u>Typical Properties</u>	<u>ASTM Test Method</u>	<u>Nuvair™ 800</u>
ISO Viscosity Grade	D2422	150
Viscosity cSt. @ 100° C cSt. @ 40° C cSt. @ 210° F cSt. @ 100° F	D445 D445 D445 D445	14.1 145.9 13.6 175.1
Pour Point °C °F	D97 D97	-29 -20
Flash Point °C °F	D92 D92	287 550
Auto Ignition Temp °C °F	D1255 D1255	390 735
Water Solubility 0.01 g/l @20° C	D1255	Insoluble
Specific Gravity	D1298	0.970
Lbs/Gallon		8.08
Evaporation	D972	<1.0%

Nuvair™ Compressor Accessories

Hoses - Fittings - Valves - Switches

Nuvair™ offers a range of accessories and components for all the compressors and containment systems we build. Visit www.nuvair.com to look for accessories for your specific Nuvair system.



High Pressure Hoses
Stock and Custom



Bleed Valves



Pressure Switch



On / Off Valve



Fittings in steel
and stainless steel



DIN fill



SCBA fill



Scuba fill

Nuvair

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