



Fire and Industrial Air Catalog

High pressure compressors and analyzers for every situation



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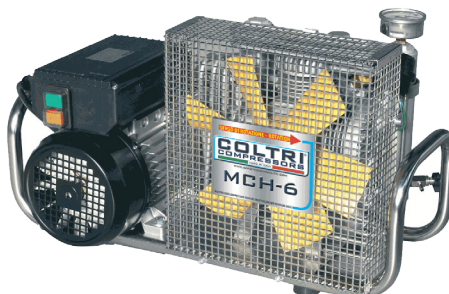
COLTRI / NUVAIR MCH6 PORTABLE HP COMPRESSORS

FEATURES

- Excellent portability
- 4500 psi (310 bar) max pressure
- Grade E breathing air filtration
- Tach 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



The MCH6 is designed for filling paintball, scuba or SCBA tanks, one at a time. The compressors are not engineered or manufactured for continuous duty filling of storage tanks or cascade systems of any kind.

SPECIFICATIONS

	MCH6/3	MCH6/3.5E	MCH6/3.5G
Fill Time*	Approx 23 min	Approx 19 min	Approx 19 min
Charging Rate*	3.4 SCFM (80 L/min)	4.2 SCFM (100 L/min)	4.2 SCFM (100 L/min)
CFM FAD	2.8 CFM (80 L/min)	3.5 CFM (100 L/min)	3.5 CFM (100 L/min)
Motor	Single-phase electric	Three-phase electric	Honda gas SKU: 8013
115 V / E1 / 60 Hz**	29 amps SKU: 8015	N/A	N/A
208-230 V / E1 / 60 Hz**	17 amps SKU: 8014.1	N/A	N/A
208-230 V / E3 / 60 Hz**	N/A	12 amps SKU: 8016.2	N/A
380-415 V / E3 / 50 Hz	N/A	6.7 amps SKU: 8016.3	N/A
440-480 V / E3 / 60 Hz	N/A	6.4 amps SKU: 8016.3	N/A
Driven by	3 hp (2.2 kW)	4 hp (3 kW)	5.5 hp (4.1 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 (L x W x H)	27 x 15 x 16 in (69 x 38 x 41 cm)	26 x 15 x 15 in (66 x 38 x 38 cm)	31 x 27 x 15 in (79 x 69 x 38 cm)
Weight	90 lbs (41 kg)	88 lbs (40 kg)	84 lbs (38 kg)
Lubrication	Splash lubrication, capacity 12 oz		
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021		

*Based on 80 cu ft cylinder from 500 to 3000 psi. **For information on 50 Hz models, contact your sales representative.

COLTRI / NUVAIR COMPACT PORTABLE HP COMPRESSORS

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 (310 bar) 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



The MCH6 is designed for filling paintball, scuba or SCBA tanks one at a time. The compressors are not engineered or manufactured for continuous duty filling of storage tanks or cascade systems of any kind.

SPECIFICATIONS

	MCH6/3E	MCH6/3.5E	MCH6/3.5G
Fill Time*	Approx 23 min	Approx 19 min	Approx 19 min
Charging Rate*	3.4 SCFM (96 L/min)	4.2 SCFM (119 L/min)	4.2 SCFM (119 L/min)
CFM FAD	2.8 CFM (96 L/min)	3.5 CFM (100 L/min)	3.5 CFM (100 L/min)
Motor	Single phase electric	Three-phase electric	Honda gas engine SKU: 8013-C
115 V / E1 / 60 Hz	29 amps SKU: 8015-C	N/A	N/A
208-230 V / E1 / 60 Hz	17 amps SKU: 8014.1-C	N/A	N/A
208-230 V / E3 / 60 Hz**	N/A	12 amps SKU: 8016.2-C	N/A
380-415 V / E3 / 50 Hz	N/A	7 amps SKU: 8016.6-C	N/A
440-480 V / E3 / 60 Hz	N/A	7 amps SKU: 8016.3-C	N/A
Driven By	3 hp (2.2 kW)	4 hp (3 kW)	6.5 hp (4.85 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 (L x W x H)	14.5 x 29 x 19 in (37 x 74 x 48 cm)	14.5 x 29 x 19 in (37 x 74 x 48 cm)	14.5 x 29 x 19 in (37 x 74 x 48 cm)
Weight	126 lbs (57 kg)	126 lbs (57 kg)	121 lbs (55 kg)
Lubrication	Splash lubrication, capacity 12 oz		
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021		

*Based on 80 cu ft cylinder from 500 to 3000 psi. **For information on 50 Hz models, contact your sales representative.

COLTRI / NUVAIR STANDARD ELECTRIC COMPRESSORS

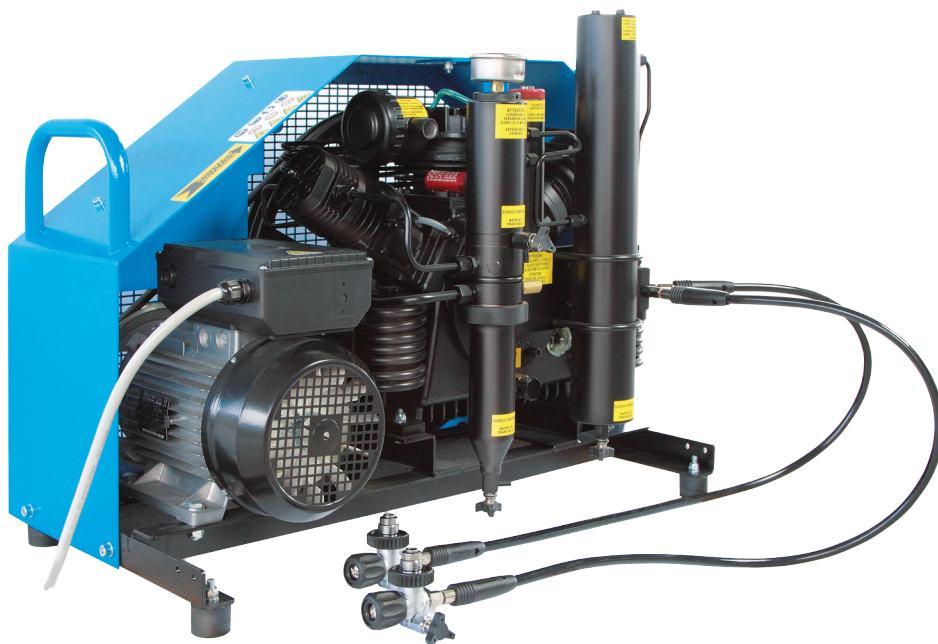
The Nuair Standard Electric uses a pumping unit that is made from top quality materials; connecting rods from aluminum alloy, stainless steel intercoolers and aftercoolers that are more than four meters in length, and cylinders of special cast iron. The electric motor uses an aluminum housing to keep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

FEATURES

- 5000 psi (345 bar) max pressure
- Grade E filtration
- 2 fill whips
- Electric
- Stainless steel intercoolers

OPTIONS

- Motor starter
- Automatic condensate drains
- Pressure switch
- Hour meter
- High temp shutdown
- Low oil shutdown
- Interstage pressure gauges
- Stainless frame
- Visual CO / moisture indicator



SPECIFICATIONS

	MCH13	MCH16
Fill Time*	Approx 11 min	Approx 9 min
Charging Rate*	8.4 SCFM (238 L/min)	11.3 SCFM (320 L/min)
CFM FAD	7 CFM (200 L/min)	9.4 CFM (266 L/min)
Motor	Single or three-phase electric	Three-phase
208-230 V / E1 / 60 Hz	26 amps SKU: 8020.1	N/A
208-230 V / E3 / 60 Hz**	17 amps SKU: 8019.2	22 amps SKU: 8022.2
380-415 V / E3 / 50 Hz	10 amps SKU: 8019.6	15 amps SKU: 8022.6
440-480 V / E3 / 60 Hz	7 amps SKU: 8019.3	13 amps SKU: 8022.6
Driven By	5.5 hp (4 kW)	7.5 hp (5.5 kW)
Max Operating Pressure	5000 psi (345 bar)	5000 psi (345 bar)
RPM	1200	1450
Number of Stages	3	3
Number of Fill Hoses	2	2
Condensate Drain	Manual	Manual
Sound Level @ 3 Meters	81 dB	82 dB
Dimensions (L x W x H)	18 x 34 x 25 in (45 x 86 x 64 cm)	18 x 34 x 25 in (45 x 86 x 64 cm)
Weight	218 lbs (99 kg)	218 lbs (99 kg)
Lubrication	Splash lubrication, capacity 1.8 L	
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021	

*Based on 80 cu ft cylinder from 500 to 3000 psi. **For information on 50 Hz models, contact your sales representative.

NUVAIR MINI TECH COMPRESSOR

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. Onboard 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.

FEATURED

- 5000 psi (345 psi) max pressure
- Grade E filtration
- (2) fill whips
- Electric motor, Honda gas or diesel engine
- Stainless steel intercoolers
- 4 lifting handles
- All important parts are protected inside frame
- Superior vibration isolation
- Powder coated marine grade aluminum frame



OPTIONS

- Motor starter / electric start
- Automatic condensate drains
- Pressure switch
- Hour meter
- High temp shutdown
- Upgraded filtration
- Stainless frame
- Lifting eyes
- Low oil shutdown
- Tropical block w/ oil pump
- Visual CO / moisture indicator
- Interstage pressure gauges

SPECIFICATIONS

	MCH13	MCH16
Fill Time*	Approx 11 min	Approx 9 min
Charging Rate*	8.4 SCFM (238 L/min)	11.3 SCFM (320 L/min)
CFM FAD	7 CFM (200 L/min)	9.4 CFM (266 L/min)
208-230 V / E1 / 60 Hz**	23 amps SKU: 8040.1	30.3 amps SKU: 8037.1
208-230 V / E3 / 60 Hz**	13.1 amps SKU: 8040.2	19.4 amps SKU: 8037.2
380-415 V / E3 / 50 Hz	8 amps SKU: 8040.6	11 amps SKU: 8037.6
440-480 V / E3 / 60 Hz	6 amps SKU: 8040.3	9 amps SKU: 8037.3
Electric Motor Size	5.5 hp (4 kW)	7.5 hp (5.5 kW)
Honda Gas	8.5 hp (6.3 kW) SKU: 8039	11.7 hp (8.7 kW) SKU: 8038
Yanmar Diesel	N/A	9.3 hp (6.8 kW) SKU: 8038-DY
Max Operating Pressure	5000 psi (345 bar)	5000 psi (345 bar)
RPM	1200	1450
Number of Stages	3	3
Number of Fill Hoses	2	2
Condensate Drain	Manual	Manual
Sound Level @ 3 Meters	81-96 dB	82-96 dB
Dimensions (L x W x H)	45.5 x 22.25 x 25.75 in (116 x 57 x 65 cm)	45.5 x 22.25 x 25.75 in (116 x 57 x 65 cm)
Weight	320-421 lbs (145-191 kg)	320-421 lbs (145-191 kg)
Lubrication	Splash lubrication, capacity 1.8 L	
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021	

*Based on 80 cu ft cylinder from 500 to 3000 psi. **For information on 50 Hz models, contact your sales representative.

COLTRI / NUVAIR TECH 250 HP COMPRESSOR

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 (345 bar) max pressure
- Grade E filtration
- (2) fill whips
- Electric motor or Honda gas engine
- Stainless steel intercoolers
- 4 lifting handles
- All important parts are protected inside frame
- Superior vibration isolation
- Gauge panel
- Removable air intake snorkel



OPTIONS

- Automatic condensate drains
- Motor starter / electric start
- Pressure switch
- Hour meter
- High temp shutdown
- Low oil shutdown
- Interstage pressure gauges
- Stainless frame
- Visual CO / moisture indicator
- Upgrade filtration

SPECIFICATIONS

MCH16 / 250	
Fill Time*	Approx 9 min
Charging Rate*	11.3 SCFM (320 L/min)
CFM FAD	9.4 CFM (266 L/min)
Motor	Single and Three-phase
208-230 V / E1 / 60 Hz	30.3 amps SKU: 8027.1
208-230 V / E3 / 60 Hz	19.4 amps SKU: 8027.2
380-415 V / E3 / 50 Hz	10.5 amps SKU: 8027.6
Driven By	7.5 hp (5.5 kW)
Honda	11.7 hp (8.7 kW) SKU: 8027-H-EL
Yanmar Diesel (Electric Start)	10 hp (7.5 kW) SKU: 8027-DY-EL
Kohler Diesel (Electric Start)	10 hp (7.5 kW) SKU: 8027-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 (L x W x H)	23 x 44 x 31 in (58 x 112 x 58 cm)
Weight	320-421 lbs (145-195 kg)
Lubrication	Splash lubrication, capacity 1.8 L
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021

*Based on 80 cu ft cylinder from 500 to 3000 psi.

COLTRI / NUVAIR COMPACT EVO HP COMPRESSOR

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 offered as an EVO model with interstage pressure gauges, high temperature and low oil shutdown included.

FEATURES

- Motor starter
- Automatic condensate drains
- Dial-a-pressure switch
- Hour meter
- Semi-soundproofed cabinet
- External oil sight gauge
- Grade E filtration
- Automatic stop
- Emergency stop
- Interstage pressure gauges
- High temp shutdown
- Low oil shutdown



OPTIONS

- Visual CO / moisture indicator
- CO Analyzer
- Moisture Analyzer
- Filtration upgrade
- 6000 psi upgrade
- Pressure lubricated block for tropical locations available

SPECIFICATIONS

	MCH13	MCH16
Fill Time*	Approx 11 min	Approx 9 min
Charging Rate*	8.4 SCFM (238 L/min)	11.3 SCFM (320 L/min)
CFM FAD	7 CFM (200 L/min)	9.4 CFM (266 L/min)
Motor	Single or three-phase electric	Single or three-phase electric
208-230 V / E1 / 60 Hz**	25.2 amps 5.5 hp (4 kW) SKU: 8031.1	28.5 amps 7.5 hp (5.5 kW) SKU: 8032.1 / 8033.1
208-230 V / E3 / 60 Hz**	12.89 amps 5.5 hp (4 kW) SKU: 8031.2	21.8 amps 7.5 hp (5.5 kW) SKU: 8032.2 / 8033.2
380-415 V / E3 / 50 Hz	7.61 amps 5.5 hp (4 kW) SKU: 8031.6	12.6 amps 7.5 hp (5.5 kW) SKU: 8032.6 / 8033.6
440-480 V / E3 / 60 Hz	7.61 amps 5.5 hp (4 kW) SKU: 8031.3	12.6 amps 7.5 hp (5.5 kW) SKU: 8032.3 / 8033.3
Max Operating Pressure	5000 psi (345 bar)	5000 psi (345 bar)
RPM	1300	1450
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 (L x W x H)***	41.5 x 27.75 x 31.75 in (105 x 71 x 80.1 cm)	41.5 x 27.75 x 31.75 in (105 x 71 x 80.1 cm)
Weight	450 lbs (204 kg)	450 lbs (204 kg)
Lubrication	Splash lubrication, capacity 1.8 L	
Air Quality	DIN 3188 – CGA Grade A – NFPA 1500 – EN12021	

*Based on 80 cu ft cylinder from 500 to 3000 psi. **For information on 50 Hz models, contact your sales representative. ***Single phase enclosure 33 in x 42 in x 28 in (84 x 105 x 70 cm).

COLTRI / NUVAIR COMPACT MCH26 / 32 HP COMPRESSOR

This 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. The Compact can be used with our LP300 to produce 32% nitrox @ 18 CFM (510 L/min) using both compressors, or up to 40% nitrox at 9 CFM (255 L/min) using one compressor.

FEATURES

- Motor starter
- Automatic condensate drains
- Dial-a-pressure switch
- Hour meter
- Semi-soundproofed cabinet
- External oil sight gauge
- Grade E filtration
- Automatic stop

OPTIONS

- Visual CO / moisture indicator
- Additional filtration



SPECIFICATIONS

	MCH26	MCH32
Fill Time*	Approx 5.5 min	Approx 4.5 min
Charging Rate*	16.8 SCFM (476 L/min)	22.6 SCFM (640 L/min)
CFM FAD	14 CFM (400 L/min)	18.8 CFM (532 L/min)
Motor	Single or three-phase electric	Three-phase electric
208-230 V / E1 / 60 Hz	25 amps SKU: 8036.1-13	N/A
208-230 V / E3 / 60 Hz**	14 amps SKU: 8036.2-13	20 amps SKU: 8036.2
380-415 V / E3 / 50 Hz	17 amps SKU: 8036.6-13	27 amps SKU: 8036.6
440-480 V / E3 / 60 Hz	7 amps SKU: 8036.3-13	10 amps SKU: 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 (L x W x H)	34 x 35 x 53 in (85 x 89 x 133 cm)	34 x 35 x 53 in (85 x 89 x 133 cm)
Weight	629 lbs (286 kg)	673 lbs (306 kg)
Lubrication	Splash lubrication, capacity (2) 1.8 L	
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021	

*Based on 80 cu ft cylinder from 500 to 3000 psi. **For information on 50 Hz models, contact your sales representative.

COLTRI / NUVAIR MINI SILENT HP COMPRESSOR



The Mini Silent series uses a very compact, soundproofed 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 its small footprint, this compressor is great for use in boats and shops.

FEATURES

- Motor starter
- Automatic condensate drains
- Dial-a-pressure switch
- Hour meter
- Soundproofed cabinet
- External oil sight gauge
- Grade E filtration
- Automatic stop

OPTIONS

- Interstage pressure gauges
- High temp shutdown
- Low oil shutdown
- Visual CO / moisture indicator
- Additional filtration

SPECIFICATIONS

	MCH13	MCH16
Fill Time*	Approx 11 min	Approx 9 min
Charging Rate*	8.4 SCFM (238 L/min)	11.3 SCFM (320 L/min)
CFM FAD	7 CFM (200 L/min)	9.4 CFM (266 L/min)
Motor	Three-phase electric	Three-phase electric
208-230 V / E3 / 50 Hz	14 amps 5.5 hp (4 kW) SKU: 8034.5-13	22 amps 7.5 hp (5.5 kW) SKU: 8034.5
208-230 V / E3 / 60 Hz	14 amps 5.5 hp (4 kW) SKU: 8034.2-13	22 amps 7.5 hp (5.5 kW) SKU: 8034.2
380-415 V / E3 / 50 Hz	8 amps 5.5 hp (4 kW) SKU: 8034.6-13	12.6 amps 7.5 hp (5.5 kW) SKU: 8034.6
440-480 V / E3 / 60 Hz	8 amps 5.5 hp (4 kW) SKU: 8034.3-13	12.6 amps 7.5 hp (5.5 kW) SKU: 8034.3
Max Operating Pressure	5000 psi (345 bar)	5000 psi (345 bar)
RPM	1370	1450
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 (L x W x H)	29.5 x 28.3 x 41.7 in (75 x 72 x 106 cm)	29.5 x 28.3 x 41.7 in (75 x 72 x 106 cm)
Weight	356 lbs (161 kg)	356 lbs (161 kg)
Lubrication	Splash lubrication, capacity 1.8 L	
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021	

*Based on 80 cu ft cylinder from 500 to 3000 psi.

COLTRI / NUVAIR SUPER SILENT EVO HP COMPRESSOR



The Super Silent EVO is built in a resiliently soundproofed cabinet. From just a few feet away, only a sound level below 70 dB can be heard. 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 shutdown
- Low oil shutdown with external sight gauge
- Soundproofed cabinet
- External oil sight gauge
- Grade E filtration
- Automatic stop

OPTIONS

- Visual CO / moisture indicator
- Additional filtration

SPECIFICATIONS

	MCH13	MCH16
Fill Time*	Approx 11 min	Approx 9 min
Charging Rate*	8.4 SCFM (238 L/min)	11.3 SCFM (320 L/min)
CFM FAD	7 CFM (200 L/min)	9.4 CFM (266 L/min)
Motor	Single or three-phase electric	Three-phase electric
208-230 V / E1 / 60 Hz	25 amps SKU: 8035.1-13	N/A
208-230 V / E3 / 60 Hz**	17 amps SKU: 8035.2-13	22 amps SKU: 8035.2
380-415 V / E3 / 50 Hz	9 amps SKU: 8035.6-13	13 amps SKU: 8035.6
440-480 V / E3 / 60 Hz	8 amps SKU: 8035.3-13	13 amps SKU: 8035.3
Driven By	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 (L x W x H)	35 x 33.5 x 52.5 in (90 x 85 x 133 cm)	35 x 33.5 x 52.5 in (90 x 85 x 133 cm)
Weight	466 lbs (211 kg)	488 lbs (221 kg)
Lubrication	Pressure lubrication, capacity 1.8 L	
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021	

*Based on 80 cu ft cylinder from 500 to 3000 psi. **For information on 50 Hz models, contact your sales representative.

NUVAIR MCH22 / 30 / 36

ELECTRIC OPEN HORIZONTAL

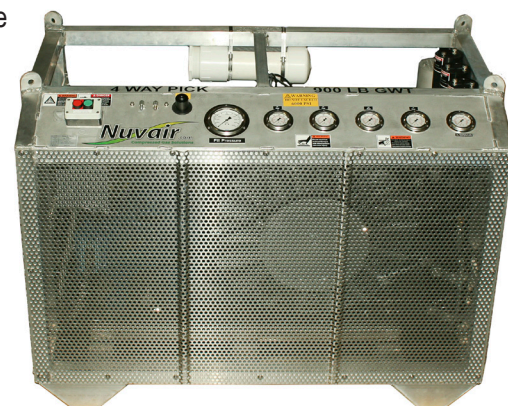
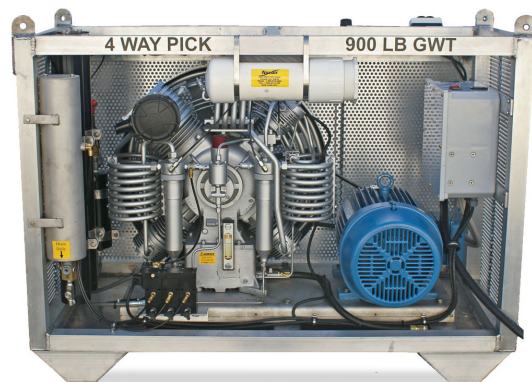
Nuvair set out to develop a flagship continuous duty commercial high pressure compressor when we came up with open horizontal models. The open horizontal packages are built around the Coltri four-stage compressor block and can pump up to 27 SCFM* at 6000 psi when charging cylinders. The Coltri compressor block and a WEG TEFC motor are mounted on to a stainless steel plate that is placed into a marine grade aluminum frame with belt guard. All packages come with two filters (combined for 60,000 cu ft of Grade E filtration), auto condensate drains, loadless start, independent vibration isolators, NEMA 4 motor starter box, enclosed drip pan and four-point lifting eyes.

FEATURES

- Visual CO & moisture indicator
- 6061 marine grade aluminum frame
- Start / stop button, phase control recognition (proper rotation), wrong voltage recognition, hour meter, stage and oil pressure gauges, auto drains
- Automatic shutdown for pressure, high temperature and low oil
- Low pressure oil pump, filter and oil level sight gauge
- Open configuration for easy access and cool running

OPTIONS

- Stainless steel or steel frame
- Additional filtration
- Electronic moisture monitor
- Powder coating
- Remote fill panel
- Dial-a-pressure shutdown
- CO, CO₂ or O₂ analyzer
- Certified lifting eyes
- Document storage tube



SPECIFICATIONS

	MCH22	MCH30	MCH36
Fill Time**	Approx 5 min	Approx 4 min	Approx 3 min
Charging Rate**	15.8 SCFM (447 L/min)	20.4 SCFM (577 L/min)	27 SCFM (764 L/min)
CFM FAD	13.2 CFM (374 L/min)	17 CFM (481 L/min)	225. CFM (637 L/min)
Motor	Single and three-phase	Three-phase	Three-phase
208-230 V / E1 / 60 Hz	46 amps 10 hp (7.5 kW) SKU: 8046.1-HZ*	N/A	N/A
208-230 V / E3 / 60 Hz	28 amps 10 hp (7.5 kW) SKU: 8046.2-HZ*	31 amps 15 hp (11 kW) SKU: 8050.2*	48 amps 20 hp (15 kW) SKU: 8049.2*
380-415 V / E3 / 50 Hz	17 amps 10 hp (7.5 kW) SKU: 8046.6-HZ	18 amps 15 hp (11 kW) SKU: 8050.6	29 amps 20 hp (15 kW) SKU: 8049.6
440-480 V / E3 / 60 Hz	17 amps 10 hp (7.5 kW) SKU: 8046.3-HZ	16 amps 15 hp (11 kW) SKU: 8050.3	25 amps 20 hp (15 kW) SKU: 8049.3
Max Operating Pressure	6000 psi (414 bar)	6000 psi (414 bar)	6000 psi (414 bar)
RPM	880	1100	1300
Number of Stages	4	4	4
Number of Fill Hoses	4	4	4
Condensate Drain	Automatic	Automatic	Automatic
Fill Pressure Stop	Automatic	Automatic	Automatic
Sound Level @ 3 Meters	75 dB	76 dB	77 dB
Dimensions (L x W x H)	56.75 x 30 X 41 in (145 x 76 X 104 cm)	56.75 x 30 X 41 in (145 x 76 X 104 cm)	56.75 x 30 X 41 in (145 x 76 X 104 cm)
Weight	900 lbs (408 kg)	900 lbs (408 kg)	900 lbs (408 kg)
Lubrication	Pressure lubrication, capacity 4 L		
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021		

*Contact a salesperson for information on 50 Hz compressors not listed. **Based on 80 cu ft cylinder from 500 to 3000 psi.

COLTRI / NUVAIR MCH22 / 30 / 36 OPEN HP COMPRESSOR

The Open Vertical MCH22, MCH30 and MCH36 compressors are designed for high use in hot, humid conditions and are rated for continuous duty use up to 6000 psi (414 bar). Equipped with the MCH22, MCH30 or MCH36 four-stage compressor block with a charging rate up to 27 SCFM* (764 L/min). Purchase, maintenance and operation costs are significantly lower than similar sized compressors in the marketplace.

FEATURES

- Open configuration for easy access and cool running
- Dial-a-pressure auto shutdown
- Soft start (Star / Delta) electric switchboard with hour meter and emergency stop button
- Automatic condensate drains and auto stop
- Phase controller that prohibits reverse rotation
- Oil level switch / auto shutoff
- Cabinet temperature thermostat / auto shutoff
- Stage and lubricant oil pressure gauges
- 60,000 cu ft dual filtration (Grade E)

OPTIONS

- Visual CO / moisture indicator
- CO, CO₂ or H₂S Alarm Analyzer
- Additional filtration
- Moisture Analyzer
- Refrigerated air dryer



SPECIFICATIONS

	MCH22	MCH30	MCH36
Fill Time*	Approx 5 min	Approx 4 min	Approx 3 min
Charging Rate*	15.8 SCFM (447 L/min)	20.4 SCFM (577 L/min)	27 SCFM (764 L/min)
CFM FAD	13.2 CFM (374 L/min)	17 CFM (481 L/min)	22.5 CFM (637 L/min)
Motor	Single and three-phase	Three-phase	Three-phase
208-230 V / E1 / 60 Hz	46 amps 10 hp (7.5 kW) SKU: 8051.1	N/A	N/A
208-230 V / E3 / 60 Hz**	28 amps 10 hp (7.5 kW) SKU: 8051.2	31 amps 15 hp (11 kW) SKU: 8042.2	48 amps 20 hp (15 kW) SKU: 8044.2
380-415 V / E3 / 50 Hz	17 amps 10 hp (7.5 kW) SKU: 8051.6	18 amps 15 hp (11 kW) SKU: 8042.6	29 amps 20 hp (15 kW) SKU: 8044.6
440-480 V / E3 / 60 Hz	17 amps 10 hp (7.5 kW) SKU: 8051.3	16 amps 15 hp (11 kW) SKU: 8042.3	25 amps 20 hp (15 kW) SKU: 8044.3
Working Pressure	6000 psi (414 bar)	6000 psi (414 bar)	6000 psi (414 bar)
RPM	880	1100	1300
Number of Stages	4	4	4
Number of Fill Hoses	4	4	4
Condensate Drain	Automatic	Automatic	Automatic
Fill Pressure Stop	Automatic	Automatic	Automatic
Sound Level @ 3 Meters	76 dB	76 dB	76 dB
Dimensions (L x W x H)	31 x 39 x 61 in (78 x 99 x 155 cm)	31 x 39 x 61 in (78 x 99 x 155 cm)	31 x 39 x 61 in (78 x 99 x 155 cm)
Weight	913 lbs (414 kg)	915 lbs (415 kg)	950 lbs (431 kg)
Lubrication	Pressure Lubrication, capacity 4 L		
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021		

*Based on 80 cu ft cylinder from 500 to 3000 psi. **For information on 50 Hz models, contact your sales representative.

COLTRI / NUVAIR MCH22 / 30 / 36

ENCLOSED AND SILENCED HP COMPRESSOR

High volume facilities where sound may be an issue should look at our Enclosed & Silenced 27 SCFM* (764 L/min) charging rate compressor, rated for continuous duty at up to 6000 psi (414 bar). Unsurpassed in quality, reliability and price, the Enclosed and Silenced package is designed for high use in work areas where noise can not be tolerated.

FEATURES

- Enclosed configuration for reduced sound levels
- Dial-a-pressure auto shutdown
- Soft start (Star / Delta) electric switchboard with hour meter and emergency stop button
- Automatic condensate drains and auto stop
- Phase controller that prohibits reverse rotation
- Oil level switch / auto shutoff
- Cabinet temperature thermostat / auto shutoff
- Stage and lubricant oil pressure gauges
- 60,000 cu ft dual filtration (Grade E)



OPTIONS

- Visual CO / moisture indicator
- CO, CO₂ or H₂S Alarm Analyzer
- Additional filtration
- Moisture Analyzer
- Refrigerated air dryer

SPECIFICATIONS

	MCH22	MCH30	MCH36
Fill Time*	Approx 5 min	Approx 4 min	Approx 3 min
Charging Rate*	15.8 SCFM (447 L/min)	20.4 SCFM (577 L/min)	27 SCFM (764 L/min)
CFM FAD	13.2 CFM (374 L/min)	17 CFM (481 L/min)	22.5 CFM (637 L/min)
Motor	Single and Three-phase	Three-phase	Three-phase
208-230 V / E1 / 60 Hz	46 amps 10 hp (7.5 kW) SKU: 8052.1	N/A	N/A
208-230 V / E3 / 60 Hz**	28 amps 10 hp (7.5 kW) SKU: 8052.2	31 amps 15 hp (11 kW) SKU: 8043.2	48 amps 20 hp (15 kW) SKU: 8045.2
380-415 V / E3 / 50 Hz	17 amps 10 hp (7.5 kW) SKU: 8052.6	18 amps 15 hp (11 kW) SKU: 8043.6	29 amps 20 hp (15 kW) SKU: 8045.6
440-480 V / E3 / 60 Hz	17 amps 10 hp (7.5 kW) SKU: 8052.3	16 amps 15 hp (11 kW) SKU: 8043.3	25 amps 20 hp (15 kW) SKU: 8045.3
Working Pressure	6000 psi (414 bar)	6000 psi (414 bar)	6000 psi (414 bar)
RPM	880	1100	1300
Number of Stages	4	4	4
Number of Fill Hoses	4	4	4
Condensate Drain	Automatic	Automatic	Automatic
Fill Pressure Stop	Automatic	Automatic	Automatic
Sound Level @ 3 Meters	70 dB	70 dB	70 dB
Dimensions (L x W x H)	49 x 31.9 x 69 in (125 x 81 x 175 cm)	49 x 31.9 x 69 in (125 x 81 x 175 cm)	49 x 31.9 x 69 in (125 x 81 x 175 cm)
Weight	1108 lbs (503 kg)	1126 lbs (511 kg)	1160 lbs (526 kg)
Lubrication	Pressure lubrication, capacity 4 L		
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021		

*Based on 80 cu ft cylinder from 500 to 3000 psi. **For information on 50 Hz models, contact your sales representative.

COLTRI / NUVAIR MCH22 / 30 / 36 ELECTRIC HP COMPRESSOR

After considerable research, development and testing, Nuvair is proud to release a 15.8-27 SCFM* (447-764 L/min) charging rate compressor, rated for continuous duty. The Nuvair MCH22 / 30 / 36 is unsurpassed in quality, reliability and price. The frame is powder coated aluminum and designed to be compact in size. All equipment is inset.

FEATURES

- 6000 psi (414 bar)
- 4 cylinder, 4 stage, air cooled
- Hour meter
- Interstage pressure gauges
- (3) large condensate separators
- Large stainless steel interstage cooling tubes
- Pressure lubricated oil pump with filter, oil sight gauge and oil pressure gauge
- Automatic condensate drains
- NEMA 4X enclosed electric box
- Triple auto drain MCH22-36 vertical open 110 V control
- Low oil shutdown switch
- High temp switch set at 350°F
- Pressure shutdown switch

OPTIONS

- Stainless steel package
- Dial-a-pressure shutdown
- Electronic moisture monitor
- Upgraded filtration
- Remote fill panel
- Frame mounted with storage tanks below for paintball use
- Digital CO monitor
- Visual CO / moisture indicator



SPECIFICATIONS

	MCH22	MCH30	MCH36
Fill Time*	Approx 5 min	Approx 4 min	Approx 3 min
Charging Rate*	15.8 SCFM (447 L/min)	20.4 SCFM (577 L/min)	27 SCFM (764 L/min)
CFM FAD	13.2 CFM (375 L/min)	17 CFM (481 L/min)	22.5 CFM (637 L/min)
Motor	Single or three-phase electric	Three-phase electric	Three-phase
208-230 V / E1 / 60 Hz	46 amps 10 hp (7.5 kW) SKU: 8046.1	N/A	N/A
208-230 V / E3 / 60 Hz**	28 amps 10 hp (7.5 kW) SKU: 8046.2	31 amps 15 hp (11 kW) SKU: 8053.2	48 amps 20 hp (15 kW) SKU: 8054.2
380-415 V / E3 / 50 Hz	17 amps 10 hp (7.5 kW) SKU: 8046.6	18 amps 15 hp (11 kW) SKU: 8053.6	29 amps 20 hp (15 kW) SKU: 8054.6
440-480 V / E3 / 60 Hz	17 amps 10 hp (7.5 kW) SKU: 8046.3	16 amps 15 hp (11 kW) SKU: 8053.3	25 amps 20 hp (15 kW) SKU: 8054.3
Working Pressure	6000 psi (414 bar)	6000 psi (414 bar)	6000 psi (414 bar)
RPM	880	1100	1300
Number of Stages	4	4	4
Filtration	26,000 cu ft @ 80°F	65,000 cu ft @ 80°F	65,000 cu ft @ 80°F
Condensate Drain	Automatic	Automatic	Automatic
Fill Pressure Stop	Automatic	Automatic	Automatic
Sound Level @ 3 Meters	76 dB	76 dB	76 dB
Dimensions (L x W x H)	36 x 36 x 52 in (91 x 91 x 132 cm)	36 x 36 x 52 in (91 x 91 x 132 cm)	36 x 36 x 52 in (91 x 91 x 132 cm)
Weight	575 lbs (261 kg)	576 lbs (261 kg) 550 lbs	635 lbs (288 kg)
Lubrication	Pressure lubrication, capacity 4 L		
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021		

*Based on 80 cu ft cylinder from 500 to 3000 psi. **For information on 50 Hz models, contact your sales representative.

NUVAIR MCH36 KUBOTA HP COMPRESSOR

Nuvair's flagship open horizontal & continuous-duty commercial high pressure compressor line utilizes the Coltri MCH36 pumping unit. The compressor can pump up to 27 SCFM (764 L/min) at 6000 psi (414 bar) when charging cylinders. The Coltri compressor block and Kubota diesel are mounted onto a steel base frame with vibration isolators, which is then placed into a powder-coated steel crash frame with belt guard.

FEATURES

Compressor

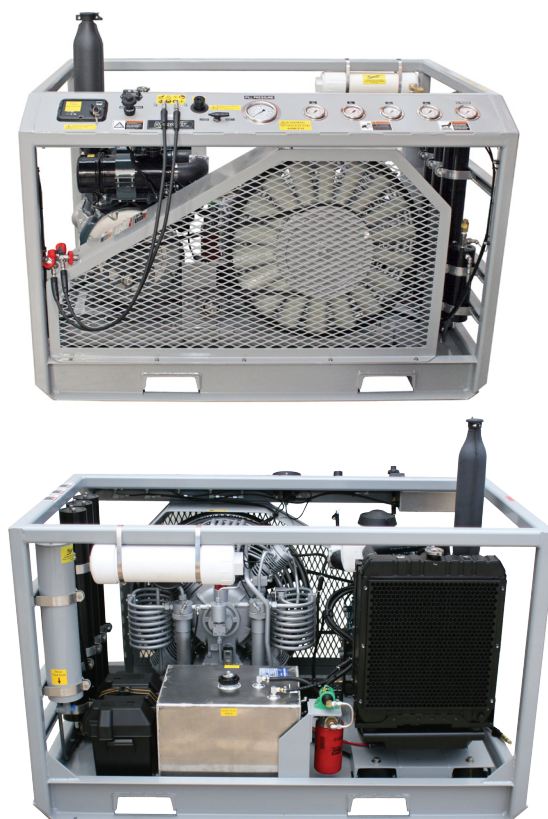
- 4 cylinder, 4 stage, air cooled
- Interstate pressure gauges
- 2 large interstage condensate separators
- Large stainless steel interstage cooling tubes
- Low pressure oil pump with filter
- Oil level sight gauge and oil pressure gauge
- Automatic condensate drains
- Low oil shutdown switch
- High temp switch
- SEP-15 high pressure moisture separator
- Dual filter filtration (60,000 cu ft)
- Visual CO / moisture indicator
- Powder coated steel frame and belt guard
- Vibration isolation frame mounts
- No load start/idle control
- 13-gallon certified fuel tank

Engine

- Kubota D1803 diesel
- Hayes bearing support block
- Hour meter
- Loadless start
- Deep sea control: indicates coil preheater, fault warning, oil pressure, high water temp, battery voltage, nominal speed

OPTIONS

- Certified lifting eyes
- Pro CO with audible alarm
- Diester based lubricant
- Moisture analyzer
- Filtration (90,000-120,000 cu ft)



SPECIFICATIONS

	SKU: 8048DK
Fill Time*	Approx 3 min
Charging Rate*	27 SCFM (764 L/min)
CFM FAD	22.5 CFM (637 L/min)
Max Operating Pressure	6000 psi (414 bar)
RPM	1300
Number of Stages	4
Oil Pressure	5.8 to 58 psi (0.4 to 4 bar)
Air Quality	Grade E
Engine	Kubota D1803 Diesel, 37 hp (28 kW), 2400 RPM
Dimensions (L x W x H)	42 x 44 x 64 in (107 x 112 x 163 cm)
Weight	1600 lbs (726 kg)
Lubrication	Capacity 4 L

*Based on 80 cu ft cylinder from 500 to 3000 psi.

NUVAIR MCH22 / 30 / 36 FIRE TRUCK COMPRESSOR PACKAGE

FEATURES

- 6000 psi max pressure
- Grade E filtration
- Stainless steel intercoolers
- Soft start motor starter
- Automatic condensate drains
- Pressure switch
- Hour meter
- High temp shutdown
- Low oil shutdown
- Interstage pressure gauges
- CO monitor
- Moisture monitor
- Filter Change Indicator
- Wrong rotation indicator

OPTIONS

- Upgraded Filtration
- Remote On/Off



SPECIFICATIONS

	MCH22	MCH30	MCH36
Fill Time*	Approx 5 min	Approx 4 min	Approx 3 min
Charging Rate*	15.8 SCFM (447 L/min)	20.4 SCFM (577 L/min)	27 SCFM (764 L/min)
CFM FAD	13.2 CFM (375 L/min)	17 CFM (481 L/min)	22.5 CFM (637 L/min)
Motor	Single or three-phase electric	Three-phase electric	Three-phase
208-230 V / E1 / 60 Hz	46 amps 10 hp (7.5 kW)	N/A	N/A
208-230 V / E3 / 60 Hz**	28 amps 10 hp (7.5 kW)	31 amps 15 hp (11 kW)	48 amps 20 hp (15 kW)
440-480 V / E3 / 60 Hz	17 amps 10 hp (7.5 kW)	16 amps 15 hp (11 kW)	25 amps 20 hp (15 kW)
Working Pressure	6000 psi (414 bar)	6000 psi (414 bar)	6000 psi (414 bar)
RPM	880	1100	1300
Number of Stages	4	4	4
Number of Fill Hoses	4	4	4
Condensate Drain	Automatic	Automatic	Automatic
Fill Pressure Stop	Automatic	Automatic	Automatic
Sound Level @ 3 Meters	75 dB	76 dB	76 dB
Dimensions (L x W x H)	49.6 x 38.8 x 31.1 in (126 x 96.6 x 79 cm)		
Weight	750 lbs (340 kg)		
Lubrication	Pressure lubrication		
Air Quality	DIN 3188 – CGA Grade E – NFPA 1500 – EN12021		

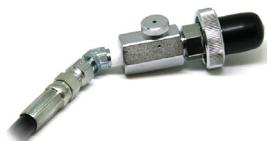
NUVAIR FILL CONTAINMENT STATIONS

FEATURES

- All steel construction
- Grade 8 steel construction
- Third 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 cylinder



DIN Whip
SKU: NS-WHIP-DIN



SCUBA Whip
SKU: NS-WHIP-INT



SCBA Whip
SKU: NS-WHIP-SCBA

OPTIONS

- Storage bank controls (SKU: NS-Bank)
- Nitrox compatible (SKU: NS-Nitrox)
- Panel for NCC-2 (SKU: NS-Panel)
- HP regulator (SKU: NS-Reg)
- Additional gauge and valve (SKU: NS-Valve)
- Whips: Scuba Yoke or DIN, SCBA (SKU: NS-Whip)
- Booster pump
- O₂ cleaning



SKU: NSS-4P air / nitrox
All options are included.



SKU: NCC-2



SKU: NSS-2P



SKU: NSS-4P
Includes 2 fills and 4 charging banks.

Model	Cylinders	Pneumatic / Manual	Dual / Single Pressure	Weight	Dimensions (L x W x H)
NCC-2	2	Manual	Single	488 lbs (221 kg)	25 x 26 x 49 in (64 x 66 x 124 cm)
NSS-2P	2	Pneumatic	Single or Dual	555 lbs (252 kg)	25 x 26 x 59 in (64 x 66 x 150 cm)
NSS-3P	3	Pneumatic	Single or Dual	754 lbs (342 kg)	24 x 41 x 59 in (61 x 104 x 150 cm)
NSS-4P	4	Pneumatic	Single or Dual	1045 lbs (474 kg)	25 x 53 x 59 in (64 x 135 x 150 cm)

NUVAIR PRO H₂O ALARM ANALYZER

The Pro H₂O Moisture Analyzer measures moisture (H₂O) levels in gases in the range of 0 to 500 parts per million (ppm). It can be used to measure the moisture content in gas mixes that will increase with humidity and moisture saturation of filters. The analyzer is designed to verify H₂O concentration in stored gas cylinders as well as to monitor continuous gas flow from a compressor.



FEATURES

- Audible and visual alarms for high moisture content
- Universal power options
- Working pressures of 100-6000 psi
- No limit on flow rates
- Programmable alarm thresholds
- Audible alarm capable
- Fast response
- Easy to operate, reliable and accurate

OPTIONS

- Made to be installed in multiple systems
- Optional relays for external alarm or compressor shutdown before filter elements saturate
- Rechargeable lithium battery, 110/210 V wall plug-in or DIN rail power option

PART NUMBERS

Panel wall mount SKU: 9607-E
Panel with lithium battery SKU: 9607-LB
Panel with DIN rail SKU: 9607-DP

SPECIFICATIONS*

Range	0 - 500 ppm
Display Accuracy	5 ppm + 9% from measured value
Sensor Type	Capacitive
Expected Sensor Life	3 years
Power	Rechargeable lithium battery, 110/ 220 V wall plug-in or DIN rail
Response Time	<5 min -4° to -76°F (-20° to -60°C) <15 sec -76° to -4°F (-60° to -20°C)
Operating Temperature/Humidity	-40° to 158°F (-40° to 70°C) 0 to 100% RH
Storage Temperature	-40° to 140°F (-40° to 60°C)
Pressure	0 to 80 bar
Warranty	12 months
Panel Mount Dimensions (L x W x H)	2 x 5.5 x 4 in (5.1 x 14 x 10.2 cm)

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) and are subject to change without notice.

NUVAIR PRO CO ALARM ANALYZER

Nuvair CO analyzers detect levels of carbon monoxide that could be harmful to a diver before the gas reaches the diver. Our CO analyzers connect in-line with high pressure compressors to monitor tank fills or on low pressure compressors used by surface-supplied divers. Visual and audible alarms warn of potential CO hazards. Depending on your requirements, we have three styles of CO analyzers that can be portable or mounted directly to the compressor.

FEATURES

- Tank readings through restrictor or in-line monitoring on compressor
- Temperature compensated sensor
- User replaceable battery options
- Low battery warning indicator
- Made to test breathing gases**
- Optional relays for external alarm or compressor control

Handheld



Panel Mount



SPECIFICATIONS*

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 (-20° 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	9 V battery, rechargeable lithium battery, 110/220 V wall plug-in or 12 V DIN rail (panel mount only)
Dimensions	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 (1.27 kg) waterproof box
Warranty	12 months from date of purchase, covers parts and labor

Waterproof Box



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) and are subject to change without notice.

**Calibration must be confirmed with calibration CO test gas.

NUVAIR PRO CO₂ ALARM ANALYZER

The Pro CO₂ 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 CO₂ contamination in your gas. The CO₂ sensor is auto-calibrating and provides a temperature compensated, linear CO₂ 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
- Non-dispersive infrared
- Fast response
- Made to test breathing gases**
- Easy to operate, reliable and accurate

SPECIFICATIONS*

Flow Rate	0.5-1 L/min
Resolution	1 ppm
Repeatability	±2% of full scale @ 68°F (20°C) ambient
Linearity	At ambient temperature 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	Two 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	110/230 V plug-in, rechargeable lithium battery 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 (SKU: 9617) 2.5 x 1.75 x 4.25 in (6.3 x 4.5 x 10.8 cm) handheld (SKU: 9616) 3.9 x 8.7 x 7.5 in (9.9 x 22.1 x 19.1 cm) waterproof box (SKU: 9615-LB)
Weight	9 oz (0.3 kg) panel mount / 7.8 oz (0.22 kg) handheld / 2 lbs 8 oz (1.27 kg) waterproof box
Warranty	12 Months

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

**Calibration must be confirmed with calibration CO₂ test gas.

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.



APPLICATION

Nuvair 455 is a fully synthetic, premium quality food grade oil designed for use in high and low pressure breathing air systems. It is suitable for use in reciprocating compressors operating on up to 40% oxygen enriched air.

CHARACTERISTICS

- Available in quart, one-gallon and five-gallon containers
- Outstanding wear and lubricity properties
- Low pour point and high flash point
- Excellent compatibility with elastomers, seals, plastics and paints
- Good corrosion protection
- Less varnish formation
- Rated by the manufacturer for use with nitrox up to 40% oxygen content*



NUVAIR 455

FOOD GRADE SYNTHETIC RECIPROCATING OIL

SPECIFICATIONS

Typical Properties	ASTM Test Method	Nuvair 455
SAE Grade	SAE J-300	30
ISO Grade	D2422	100
Viscosity		
@ 104°F, cSt	D445	98.7
Viscosity Index	D2270	145
Flash Point		
°F	D92	500°F
°C	D92	260°C
Pour Point		
°F	D97	-40°F
°C	D97	-40°C
Evaporation %	D972	<0.50
Foaming Sequence I, II, III	D892	<20/0
Specific Gravity	D4052	0.85

NUVAIR 546

FOOD GRADE SYNTHETIC ROTARY SCREW OIL

APPLICATION

Nuvair 546 is designed for 2,000 hours of use in rotary screw compressors generating up to 40% oxygen enriched air. When used in EANx compressors, oil life decreases with the production of higher oxygen concentrations.

CHARACTERISTICS

- Available in one and five-gallon containers
- Outstanding thermal oxidative stability
- Compatible with most seals, plastics and rubbers
- Very low pour point
- Wide operating temperature range
- Non-detergent
- Extended oil life reduces oil disposal, thus increasing cost-effectiveness
- Rated by the manufacturer for use with nitrox up to 40% oxygen content*
- Complies with FDA 21 CFR 178.3570 H-1

SPECIFICATIONS

Typical Properties	ASTM Test Method	Nuvair 546
SAE Grade	SAE J-300	20
ISO Grade	D2422	46
Viscosity		
@ 104°F, cSt	D445	45
Viscosity Index	D2770	143
Flash Point		
°F	D92	523°F
°C	D92	273°C
Pour Point		
°F	D97	-40°F
°C	D97	-40°C
Evaporation %	D972	<1.0
Foaming Sequence I, II, III	D829	<10/0
Copper Corrosion	D130	1b
Specific Gravity	D4052	0.84
Demulsibility	D1401	Excellent

*Must be used properly and meet all conditions of use listed by Nuvair and Coltri.

SPECIFICATIONS

Typical Properties	ASTM Test Method	Nuvair 751
SAE Grade	SAE J-300	40
ISO Grade	D2422	150
Viscosity		
@ 104°F, cSt	D445	146.5
Viscosity Index	D2770	90
Flash Point		
°F	D92	522°F
°C	D92	272°C
Pour Point		
°F	D97	-13°F
°C	D97	-25°C
Evaporation %	D972	1.0
Foaming Sequence I, II, III	D829	<10/0
Copper Corrosion	D130	1a
Specific Gravity	D4052	0.93
Demulsibility	D1401	Excellent
Carbon Residue %	D189	<0.01

APPLICATION

Nuvair 800 is a high-viscosity synthetic oil using a highly stable triester base fluid. It is designed for use in reciprocating compressors under adverse conditions of high temperature and high pressure.

CHARACTERISTICS

- Available in quart, one-gallon and five-gallon containers
- Wide operating temperature range of 5°F to 445°F (-15°C to 230°C)
- Outstanding thermal and oxidative stability
- Will not varnish or form carbon deposits
- Excellent heat transfer characteristics
- Low volatility and low toxicity
- Rated by the manufacturer for use with nitrox up to 40% oxygen content*

Caution: May affect some paint finishes, plastics and seals.



*Must be used properly and meet all conditions of use listed by Nuvair and Coltri.

APPLICATION

Nuvair 751 is a diester/organic compound blend and was designed to be used at higher temperatures in reciprocating compressors where they will not varnish like many other petroleum and synthetic oils.

CHARACTERISTICS

- Available in quart, one-gallon and five-gallon containers
- Outstanding thermal and oxidative stability
- Will not varnish or form carbon deposits
- Wide operating temperature range of 5°F to 445°F (-15°C to 230°C)
- Built in detergency action
- Extended oil life reduces oil disposal, thus increasing cost-effectiveness
- Not recommended for use in LP breathing air applications
- Rated by the manufacturer for use with nitrox up to 40% oxygen content*

Caution: May affect some paint finishes, plastics and seals

NUVAIR 800

SYNTHETIC TRIESTER-BASED OIL

SPECIFICATIONS

Typical Properties	ASTM Test Method	Nuvair 800
SAE Grade	SAE J-300	40
ISO Grade	D2422	150
Viscosity		
@ 104°F, cSt	D445	141.5
@ 212°F, cSt	D445	12.8
Viscosity Index	D2770	79
Flash Point		
°F	D92	535°F
°C	D92	279°C
Pour Point		
°F	D97	-20°F
°C	D97	-29°C
Auto Ignition		
°F	D1255	735°F
°C	D1255	391°C
Evaporation %	D972	<1.0
Water Solubility		
<0.01 g/l @ 20°C		Insoluble
Specific Gravity		0.97

NUVAIR HP PURIFICATION SYSTEMS

Purifying High Pressure Gases Including Air and Nitrox

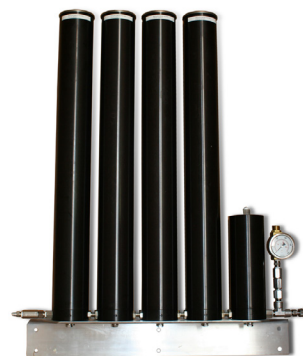
Proper filtration requires consideration based on many conditions: Compressor output, ambient temperature, humidity, compressor type, amount of oil and condensate needed to be removed, filter life and desired purity of the gas. Nuvair can size your filtration system to meet any quality standard using our 15, 25 or 35 inch towers alone or in-line. Larger systems can offer longer filter life, better gas quality and provide cost savings for the filters. This is done by using less expensive filter media for drying in front of more expensive final filters with activated carbon and CO catalyst.

FEATURES

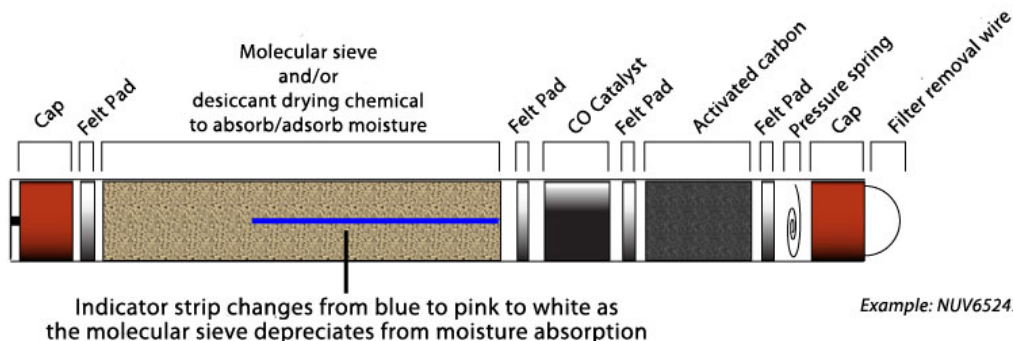
- Hard anodized 6061 aluminum filter towers
- Designed and tested with a 4/1 safety factor
- Flow rates to 65 CFM (1850 L/min)
- Working pressure to 5000 psi (345 bar)
- Uni Strut with 3 in aluminum clamps
- Stainless steel plumbing
- Disposable filter elements with clear housing that allows visual inspection of chemicals inside
- Mechanical moisture separator
- Over pressure relief
- Inlet check valve
- Manual bleed to relieve pressure for filter changes
- Pressure maintaining valve for proper filtration

OPTIONS AND UPGRADES

- Stainless steel mounting panel or 4 x 4 in anodized aluminum angle base
- Valves and/or pressure gauges
- 6000 psi (414 bar) filter towers
- Visual CO / moisture monitor
- Electronic H₂S, CO, and / or CO₂ alarm analyzer with shutdown capability
- Isolation valve
- Flow fuse
- Flow restrictor
- OCA (oxygen compatible air)



TRI-CHEM BREATHING FILTER



10 Year Hydro Test HP Cylinders

We are taking advantage of the latest cylinder technology available. Our new storage tanks are lightweight 4500, 5000 and 6000 psi tanks that can be filled and transported across most of the world's borders. All tanks have a 10 year hydro test interval and 25E valve inlet threads. All cylinders are designed under specification ISO 9809 - 2:200 - parts 1 & 2 and are DOT qualified.

Nuvair also offers stock and custom designed storage racks for your high pressure tanks. Vertical or horizontal racks made from heavy duty steel cradle and manifold systems are included. We also offer plumbing for storage systems in standard 6000 psi flexible hose or custom stainless steel tube. Our standard racks accommodate 6, 12, 16 or 18 tanks and custom racks can be built specifically to meet your needs.

FEATURES

- DOT-E10869-4500/ TC-SU4369-310
- Can be used horizontal or in vertical position
- 4500 psi (310 bar) 437 cu ft
- 5000 psi (345 bar) 472 cu ft
- 6000 psi (414 bar) 510 cu ft



CGA Tank Valve

Storage Regulator

NUVAIR AIR COMPRESSOR ACCESSORIES

Hoses | Fittings | Valves | Switches | Gauges | Auto Drains

Nuvair offers a wide range of accessories and components for compressors and containment systems.



Stock and Custom Gas Panels

Nuvair stocks two bank and four bank gas management panels ready to ship in our standard configurations. If you are configuring a customized gas fill station, you may require a special panel and filling station. The possibilities are endless, depending on the size of your space and equipment. The panels below have all been custom made to suit the exact specifications of the operator. All panels are available with Tescom regulators upon request.



Nuvair is an authorized distributor and service center for Haskel boosters. A booster takes gases from a low-pressure source, increases the pressure, and delivers it to a high pressure destination. No need for motors or engines; the booster is powered by a secondary supply of compressed air.

Haskel is a recognized leader in high pressure technology, manufacturing high pressure air driven liquid pumps, gas boosters, air amplifiers, systems and accessory equipment. Haskel International Inc. is the world's leading manufacturer of hydraulic and pneumatic driven, high pressure systems and accessories. For nearly 60 years, Haskel has manufactured a wide range of high pressure air driven liquid pumps, gas boosters, air amplifiers, systems and accessory equipment.

Haskel gas boosters consist of a large area reciprocating air drive piston directly coupled by a connecting rod to a small area gas piston. The gas piston operates in a high pressure gas barrel section. Each gas barrel end cap contains high pressure inlet and outlet check valves. The air drive section includes a cycling spool and pilot valves that provide continuous reciprocating action when air is supplied to the air drive inlet. Depending on the application, the Haskel basic booster is supplied as a single-stage / double-acting or two-stage design for integration by the customer. Both designs feature the HG series gas booster.

Single Acting Single Stage boosters provide economical means of boosting pressure for testing or small components and similar applications where volume is small and efficiency is not important. Control of maximum outlet pressure is accomplished with the use of an air drive pressure regulator. Maximum outlet pressure is drive area ratio multiplied by air pressure.

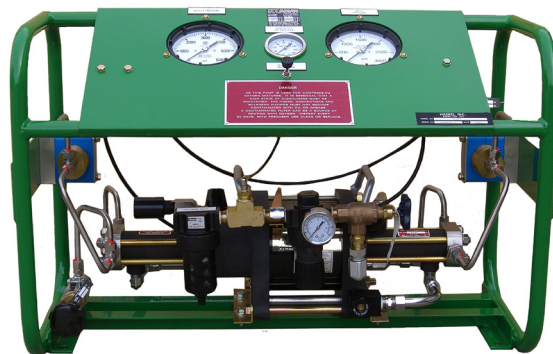
Double Acting Single Stage boosters not only pump twice the volume of a Single Acting, Single Stage booster per cycle, but also require less air drive since the inlet gas pressure is assisting the air drive in each direction, providing a substantial portion of the required driving force. These models provide efficient means of boosting large volumes of gas at low to medium compression ratios. Maximum outlet pressure is drive area ratio times air drive pressure plus gas supply pressure.

Two-Stage Gas boosters provide efficient means of boosting to a high gas compression ratio since the ratio per stage is low. Maximum outlet pressure with these models is drive area ratio multiplied by air drive pressure plus supply pressure multiplied by the area ratio of the two gas pistons.

SELECTING A BOOSTER

When purchasing a booster, there are seven important parameters that will affect your decision.

1. What is the maximum pressure it will be used for?
2. What flow rate is required or if filling a tank how long can it take?
3. Will the supply gas come from a large or small tank?
 - a. Will the supply tank pressure be dropping fast or slow?
 - b. Will it start at a high pressure or low pressure compared to your fill pressure in the tank being filled?
 - c. What pressure do you want to drain your supply tank down to?
4. Will you have drive air available?
5. How much and at what pressure?
6. What gas will you be pumping?
7. What is the application?



ADVANTAGES

- Air driven-no electricity required
- No airline lubricator required
- Hydrocarbon free-separation between air and gas sections
- Pressures to 39,000 psi (2690 bar)
- Built-in-cooling on most models
- Standard and custom systems available
- Single, double acting and two-stage models

ORDERING

NUVAIR TERMS AND CONDITIONS

Open Terms

A 50% deposit at time of order is required; the balance is due prior to shipping. Open billing is at the sole discretion of Nuvair and requires pre-approval by Nuvair. Standard open account terms are net 30 days from the date of invoice. Should a buyer neglect to pay Nuvair on time or create doubt of the buyer's financial responsibility, Nuvair has the right to revoke any terms granted.

New Accounts and Internet Orders Payment Terms

Orders made over the Internet or from new customers require pre-payment before shipping in the form of a credit card, company check, Pay Pal, wire transfer or cash.

If you are interested in net 30 terms, please contact Nuvair for a credit application. Nuvair uses several outside service bureaus to determine company or personal credit worthiness and does not guarantee credit terms will be made available to new or returning customers.

Nuvair does business in US dollars. Any orders from outside the US may require the purchaser to cover additional bank charges from wiring fees to notary services. Payment using personal checks are accepted by Nuvair; however, we will not ship until the funds have been received in our bank account. Returned checks will be assessed a \$35.00 handling charge on all non-sufficient funds. Additionally, Nuvair may require pre-payment for any further transactions before shipping future shipments.

Custom and Special-Order Items

Custom built products and products requiring non-inventory parts require payment in advance from customers who do not have credit terms with Nuvair. These products are sold as-is to everyone and are not cancelable or returnable for any reason.

Freight

FOB Oxnard, California. We use multiple shipping companies to ensure the quality service and good rates for our customers.

Orders

You may purchase through Nuvair by using our online store, email, phone, walk-in or fax. When in doubt, or if you need special attention for your order, contact a Nuvair sales associate. Order confirmations are sent out via email or fax. *Information within this catalog is subject to change without notice.*



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