DISTRIBUTOR NETWORK

Supporting you after the sale is a global network of compressor specialists that is unmatched in the industry. Each of our trusted Distributor partners is staffed with BAUER Factory-Trained Technicians and is stocked with a full inventory of products and parts — ensuring you receive unsurpassed 24/7 Customer Support, no matter where you are in the world.

Additionally, BAUER has U.S. Sales & Service operations that include branch offices in California, New York, and Florida.

MISSION STATEMENT

Our mission at BAUER COMPRESSORS INC. is to provide the highest quality products and solutions for high pressure air and gas, geared towards industrial and breathing air applications. We are committed to use the latest technology, best materials, most qualified human resources and the most efficient fabrication techniques. As a result, our equipment solutions offer superior performance along with best value, which are delivered on time, defect free and are supported to achieve their maximum potential throughout their entire lifecycle.

OUR EXPERIENCE. YOUR BENEFIT.

Our 70 years of experience continues to be a benefit to our worldwide customers by providing them with a diverse selection of field-proven high-pressure breathing air solutions. We are world renowned for reliability and durability, and BAUER as a company is recognized as the world’s foremost innovative designer and manufacturer of high pressure compressors of the very highest quality.

BAUER’s new state-of-the-art 150,000 square-foot facility means we can stand behind all of the research and development into our breathing-air systems, which are made right here in the U.S.A.
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3-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS
JUNIOR II and OCEANUS — include an air purification system and fill hose. These safe and reliable 3-stage compressors are designed for serious sport divers. Available in 1-phase 115/230 VAC and 3-phase 230/440 VAC electric motor, gasoline or diesel engine drives.

› PRESSURE: 5000 PSIG (345 BAR)
› CHARGING RATE: 2.9 to 4.9 SCFM (82 to 139 L/MIN)
› POWER: 2 to 6 HP (1.5 to 4.5 kW)

PORTABLES

STANDARD SCOPE OF SUPPLY
› BAUER P0 breathing air purification system
› Belt guard designed to meet OSHA guidelines
› Inlet filter
› Vibration isolators
› High-temperature switch (G drives)
› Five foot fill hose assembly with SCUBA yoke, bleed valve and pressure gauge

AVAILABLE ACCESSORIES (FACTORY INSTALLED)
› Visual CO/Moisture monitor indicator
› Final pressure switch for gasoline engine
› Hourmeter/Tachometer (G drive)

SYSTEM FOOTPRINT
JUNIOR II:
DIMENSIONS L x W x H inches (mm)
› JRII-E1/E3: 27” x 14” x 17” (686mm x 356mm x 432mm)
› JRII-G: 30” x 14” x 17” (762mm x 356mm x 432mm)
› JRII-EY: 32” x 16” x 24” (813mm x 406.4mm x 610mm)
› JRII-D: 46” x 19” x 21” (1168.4mm x 356mm x 533.4mm)
WEIGHT pounds (kg)
› 89 - 165 lb (40 - 75 kg)

OCEANUS:
DIMENSIONS L x W x H inches (mm)
› OCEANUS-E1/E3: 27” x 17” x 17” (686mm x 432mm x 432mm)
› OCEANUS-G: 30” x 14” x 17” (762mm x 356mm x 432mm)
› OCEANUS-EY: 32” x 20” x 17” (813mm x 432mm x 432mm)
WEIGHT pounds (kg)
› 96 - 135 lb (44 - 61 kg)

TECHNICAL DATA

YACHTING PACKAGE (ADD TO ABOVE)
› NEMA - 4 electrical box
› Motor starter
› Automatic condensate drain with muffler/separator and condensate reservoir
› Pressure switch
› Stainless steel fittings

YACHTING PACKAGE

› GAS DRIVE
› ELECTRIC DRIVE
› PORTABLES

STANDARD SCOPE OF SUPPLY
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› Belt guard designed to meet OSHA guidelines
› Inlet filter
› Vibration isolators
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› Hourmeter/Tachometer (G drive)

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YACHTING PACKAGE (ADD TO ABOVE)
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› Motor starter
› Automatic condensate drain with muffler/separator and condensate reservoir
› Pressure switch
› Stainless steel fittings

YACHTING PACKAGE

<table>
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<th>Number of Stages</th>
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<th>RPM</th>
<th>Purification System</th>
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</tbody>
</table>

Note: JRII is designed for filling an individual SCUBA or SCBA. It is neither designed nor intended for filling cascade storage systems of any kind.

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.
2) Compressor capacity referenced to standard inlet conditions. E1/115= Single phase electric, 115 VAC/60 Hz. E1=Single phase electric, 230 VAC/60 Hz. E3=Three phase electric, 230/440 VAC/460 VAC. G=Gasoline engine drive, SUBARU. D=Diesel engine drive, HATZ. Y=Yachting package. Dimensions and weight are approximate and are subject to change.
DIVE MATE

3 AND 4-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS

Our DIVE MATE takes portable breathing air compressors to a new level! Complete with air purification, DIVE MATE is a safe, reliable 3 or 4-stage breathing air compressor designed to give you lightweight portability. Available in your choice of electric motor, gasoline engine or diesel engine drive.

- **PRESSURE:**
  - Up to 6000 PSIG (414 BAR)

- **CHARGING RATE:**
  - 8.4 to 9.7 SCFM (170 to 275 L/MIN)

- **POWER:**
  - 6.4 to 13.5 HP (4.7 to 10 kW)

**DIVE MATE ELITE (ADD TO ABOVE)**
- Interstage gauges
- Automatic condensate drain
- Electric start (DMT 08-G/D, DMT 10-G)

**AVAILABLE ACCESSORIES (FACTORY INSTALLED)**
- B-Timer (P31)
- Purification upgrade P31 to P41 (for 6K DMT10 applications)

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate</th>
<th>Number of Stages</th>
<th>Motor</th>
<th>FAD(^2)</th>
<th>RPM</th>
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<td>1180</td>
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</tbody>
</table>

\(^1\) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.
\(^2\) Compressor capacity referenced to standard inlet conditions.

**STANDARD SCOPE OF SUPPLY**
- Available in two sizes 8 & 10 SCFM
  - Choice of prime mover/drive
  - Electric motor, mass-phase or 3-phase
  - Gasoline engine
  - Diesel engine (DMT 08)
  - Inlet filter
  - Stainless steel intercoolers and aftercooler
  - High temperature switch (except D drive)
  - Vibration isolators
  - P31 Purification
  - Low oil pressure switch (electric and engine drive with electric start)
  - Motor starter with NEMA 4 enclosure (electric drive units)
  - Hourmeter
  - Pressure switch
  - Visual CO/moisture indicator

**AVAILABLE ACCESSORIES (DEALER/CUSTOMER INSTALLED)**
- Lift handles
- Tubular frame
- Wheel kit (lift handles or tubular frame required)
- Riser feet for in-house applications (electric drive only)

**SYSTEM FOOTPRINT**

- **DIMENSIONS L X W X H inches (mm)**
  - 43” x 24” x 27” (1092mm x 609mm x 686mm)*
- **WEIGHT pounds (kg)**
  - 300 - 400 lb (136 - 181 kg)

* Base Model
3, 4 AND 5-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS

Introducing the VERTECON series of high pressure breathing air compressors from the world leader in safe, high pressure breathing air systems. Why buy a dressed up old compressor and cabinetry technology? Buy BAUER and get the latest technological advancements. The VERTECON design is economical, space saving and allows easy access for routine maintenance.

- **PRESSURE:** Up to 6000 PSIG (414 BAR)
- **CHARGING RATE:** 5 to 26.4 SCFM (142 to 748 L/MIN)
- **POWER:** 5 to 20 HP (3.7 to 15 kW)

### STANDARD SCOPE OF SUPPLY

- BAUER breathing air purification system
- Open vertical cabinet made of formed sheet and plate goods provide a firm foundation for all pressure bearing components
- Modern design with unsurpassed maintenance accessibility (no hand tools are required for normal maintenance checks and fluid level confirmation)
- BAUER PLC based controller with four line text display
- Self adjusting drive belt tensioner
- NEMA 4 rated electrical enclosure with UL® listed control panel
- All wiring harnesses incorporated within a corrugated loom with number coding for easy system diagnosis
- Emergency stop push button
- 0.049 wall thickness stainless steel tubing throughout, no cheap plastic tubing
- Rugged powder coat finish
- Automatic condensate drain system
- Interstage pressure gauges (locally mounted)

### PLC CONTROLLER

- Compressor on/off, final pressure, oil pressure and high temperature shutdown
- Motor overload indication
- Final separator counter with shutdown and operator indication

### AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- CO monitoring system
- SECURUS - Electronic moisture monitoring for the purification system

### SYSTEM FOOTPRINT

- **VTC05 - VTC13:**
  - Dimensions L x W x H inches (mm): 44” x 33” x 50” (1118mm x 838mm x 1270mm)
  - Weight pounds (kg): 700 - 720 lb (317.5 - 327 kg)

- **VTC18 - VTC26:**
  - Dimensions L x W x H inches (mm): 44” x 33” x 54” (1118mm x 838mm x 1372mm)
  - Weight pounds (kg): 925 - 1075 lb (420 - 488 kg)

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate 1</th>
<th>Number of Stages</th>
<th>Motor HP</th>
<th>FAD 2</th>
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</tbody>
</table>

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.
2) Compressor capacity referenced to standard inlet conditions.

E1 = Single phase electric, 230 VAC/60 Hz; E3 = Three phase electric, 480/230/460 VAC/60 Hz. Other voltages available on request. Dimensions and weight are approximate and are subject to change.
MINI VERTICUS™ AND MAXI VERTICUS™

3, 4 AND 5-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS

MINI VERTICUS and MAXI VERTICUS combine compressor, air purification, SECURUS electronic moisture monitoring system and motor in a space saving, sound attenuated vertical cabinet designed to diminish operating sound levels. The MINI VERTICUS sound level is approximately 70 dBA and the MAXI VERTICUS is less than approximately 79 dBA (both at 3 ft/1 meter distance).

› PRESSURE:  
Up to 6000 PSIG (414 BAR)

› CHARGING RATE:  
5 to 42 SCFM (142 to 1190 L/MIN)

› POWER:  
5 to 30 HP (3.7 to 22 kW)

STANDARD SCOPE OF SUPPLY

› BAUER breathing air purification system with SECURUS
› BAUER PLC based controller with multicolor touchpad display
› NEMA 4 rated electrical enclosure with UL® listed control panel
› Compressor low oil pressure and high temperature safety shut-downs
› Emergency stop push button and automatic start/stop control
› Automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor and automatic “Full” indication and compressor shutdown
› Intergate pressure gauge (locally mounted)

MAXI VERTICUS MODELS (ADD TO ABOVE)

› Vertically hinged front operations panel and lift-off side maintenance access doors
› Inlet filter maintenance indicator

AVAILABLE ACCESSORIES

(FACTORY INSTALLED)

› CO monitoring system

SYSTEM FOOTPRINT

MINI VERTICUS:

MVT5 - MVT13

DIMENSIONS L X W X H inches (mm)
49” x 29” x 58” (1245mm x 737mm x 1473mm)

WEIGHT pounds (kg)
880 - 950 lb (400 - 432 kg)

MAXI VERTICUS:

MVT18 - MVT26

DIMENSIONS L X W X H inches (mm)
52” x 34” x 66” (1321mm x 864mm x 1676.4mm)

WEIGHT pounds (kg)
1050 - 1530 lb (476 - 694 kg)

MVT35 - MVT42

DIMENSIONS L X W X H inches (mm)
67” x 45” x 75” (1702mm x 1143mm x 1905mm)

WEIGHT pounds (kg)
2450 lb (1111 kg)

TECHNICAL DATA

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<tr>
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¹ Based on recharging an 80 cubic foot tank from 500 to 3000 psig.
² Compressor capacity referenced to standard inlet conditions.
3 30 HP units are in a cabinet other than depicted.
4 E1= Single phase electric, 230 VAC/60 Hz. E3= Three phase electric, 208/230/460 VAC/60 Hz. Other voltages available on request.  
5 MVT= MINI VERTICUS. Dimensions and weight are approximate and are subject to change.
4-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS

The ME320 series of compressors are your solution for Onshore and Offshore applications when an efficient compressor is required for the budget consciousness Oil and Gas market. Corrosion resistant components, which are assembled and tubed with stainless steel fasteners and fittings, make the ME320 an ideal choice when a robust compressor is required for the extremes of the drilling environment.

**ME320-E/D**

- **PRESSURE:** Up to 6000 PSIG (414 BAR)
- **CHARGING RATE:** 13 SCFM (368 L/MIN)
- **POWER:** 10 to 18 HP (7.5 to 13 kW)

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model</th>
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<th>Number of Stages</th>
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¹ Based on recharging an 80 cubic foot tank from 500 to 3000 psig.
² Compressor capacity referenced to standard inlet conditions.

**STANDARD SCOPE OF SUPPLY**

- BAUER breathing air purification system
- TEFC motor
- NEMA 4 rated electrical enclosure with UL® listed control panel
- Compressor low oil pressure and high temperature safety shutdowns
- Emergency stop push button
- Automatic condensate drain system with non-corrosive condensate reservoir and integrated float switch and automatic “Full” indication and compressor shutdown
- Gauge panel
- Lifting eyes integral to unit frame
- Inlet particulate filter and maintenance indicator
- On/off switch and final air pressure switch
- Powder coated aluminum frame and cabinet enclosure
- 316 stainless steel tubing
- Stainless steel fittings, fixtures and fastening devices

**AVAILABLE ACCESSORIES (FACTORY INSTALLED)**

- CO monitoring system
- SECURUS - Electronic moisture monitoring for the purification system
- H₂S monitoring system with audible alarm
- Purification upgrades P5-P10

**SYSTEM FOOTPRINT**

- **DIMENSIONS L X W X H inches (mm):** 61" x 37" x 41" (1549.4mm x 940mm x 1041.4mm)
- **WEIGHT pounds (kg):** 650 - 750 lb (295 - 340 kg)

**DIESEL ENGINE DRIVEN MODELS**

- Air-cooled diesel
- Electric clutch and speed control solenoid
- Spark arrestor muffler
- Anti-vibration mounts for engine

**DIESEL ENGINE DRIVEN MODELS**

- Air-cooled diesel
- Electric clutch and speed control solenoid
- Spark arrestor muffler
- Anti-vibration mounts for engine
4 AND 5-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS

BAUER has been the world’s leading manufacturer of high pressure compressors and integrated compression systems for offshore applications for over 70 years. We’ve worked for many years to evolve our compressors to meet the ever rising costs and increased safety requirements for offshore operations. BAUER understands that reliability and optimal performance are extremely critical for drilling operations.

- **PRESSURE:**
  Up to 6000 PSIG (414 BAR)

- **CHARGING RATE:**
  9.7 to 26.4 SCFM (275 to 748 L/MIN)

- **POWER:**
  7.5 to 27 HP (5.6 to 20 kW)

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate</th>
<th>Number of Stages</th>
<th>Motor</th>
<th>FAD</th>
<th>RPM</th>
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</table>

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.
2) Compressor capacity referenced to standard inlet conditions.

### STANDARDS SCOPE OF SUPPLY

- BAUER breathing air purification system
- TEFC motor
- NEMA 4 rated electrical enclosure with UL® listed control panel
- Compressor low oil pressure and high temperature safety shutdowns
- Emergency stop push button
- Automatic condensate drain system with non-corrosive condensate reservoir and integrated float switch and automatic “Full” indication and compressor shutdown
- Gauge panel
- Lifting lugs integral to unit frame
- Inlet particulate filter and maintenance indicator
- On/off switch and final air pressure switch
- Powder coated aluminum frame and cabinet enclosure
- 316 stainless steel tubing
- Stainless steel fittings, fixtures and fastening devices
- Gauge panel
- Lifting lugs integral to unit frame
- Inlet particulate filter and maintenance indicator
- On/off switch and final air pressure switch
- Powder coated aluminum frame and cabinet enclosure
- 316 stainless steel tubing
- Stainless steel fittings, fixtures and fastening devices

### DIESEL ENGINE DRIVEN MODELS

- Closed loop water-cooled diesel
- Electric clutch and speed control solenoid
- Spark arrestor muffler
- Anti-vibration mounts for engine
- High pressure pipe fittings

### AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- CO monitoring system
- SECURUS - Electronic moisture monitoring for the purification system
- H₂S monitoring system with audible alarm
- Integrated safari rack
- Purification upgrades P5-P10

### SYSTEM FOOTPRINT

- Dimensions L x W x H inches (mm): 62.5” x 57.5” x 48.5” (1588mm x 1461mm x 1232mm)
- Weight pounds (kg): 1100 - 2100 lb (500 - 954 kg)

### DIESEL ENGINE DRIVEN MODELS

- Closed loop water-cooled diesel
- Electric clutch and speed control solenoid
- Spark arrestor muffler
- Anti-vibration mounts for engine
- High pressure pipe fittings

---

**026-D**
4 AND 5-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS

Open packages in horizontal or vertical configurations combine compressor and air purification system in a space saving design. These compressors set the standard for larger capacity requirements.

- **PRESSURE:**
  - Up to 6000 PSIG (414 BAR)

- **CHARGING RATE:**
  - 35.9 to 145 SCFM (1017 to 4106 L/MIN)

- **POWER:**
  - 30 to 100 HP (22 to 75 kW)

**STANDARD SCOPE OF SUPPLY**

- BAUER breathing air purification system
- BAUER PLC base controller with four line text display
- NEMA 4 rated electrical enclosure with UL® listed control panel
- Compressor low oil pressure and high temperature safety shutdowns
- Emergency stop push button
- Automatic condensate drain system with non-corrosive condensate reservoir and automatic “Full” indication and compressor shutdown
- Beltguard designed to meet OSHA guidelines
- Soft start, isolation contactor, and circuit breaker providing instantaneous short circuit protection
- Interstage pressure gauges (locally mounted)

**SYSTEM FOOTPRINT**

**VERTICAL:**
- **DIMENSIONS:**
  - K42V/H35V: 42” x 65” x 75” (1067mm x 1651mm x 1905mm)
  - K60V: 42” x 78” x 74” (1067mm x 1981mm x 1880mm)
- **WEIGHT:**
  - 1200 - 2800 lb (544 - 1270 kg)

**HORIZONTAL:**
- **DIMENSIONS:**
  - K42/H35: 44” x 95” x 61” (1117mm x 2413mm x 1549.4mm)
  - K60: 44” x 92” x 61” (1117mm x 2337mm x 1549.4mm)
- **WEIGHT:**
  - 1200 - 5000 lb (544 - 2268 kg)

**AVAILABLE ACCESSORIES (FACTORY INSTALLED)**

- CO monitoring system
- SECURUS - Electronic moisture monitoring for the purification system (K42V-E3 and K42-E3 only)

**TECHNICAL DATA**

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1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.
2) Compressor duty cycle referenced to standard inlet conditions.
3) SECURUS electronic moisture monitoring is not standard.

**E3=Three phase electric, 208/230/460 VAC/60 Hz. Other voltages available on request.**

K42V/H35V: VERTICAL; K60: HORIZONTAL. Dimensions and weight are approximate and are subject to change.
MINI UNICUS®

3 AND 4-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS

MINI UNICUS is our budget minded integrated breathing air cylinder recharging system. The system design combines a BAUER high pressure compressor, BAUER breathing air purification system, air storage system, air management panel and containment fill station. It might be smaller than our UNICUS III series cylinder recharging systems, but MINI UNICUS is not short on features.

- **PRESSURE:**
  Up to 6000 PSIG (414 BAR)

- **CHARGING RATE:**
  5 to 13 SCFM (142 to 368 L/MIN)

- **POWER:**
  5 to 10 HP (3.7 to 7.5 kW)

---

**STANDARD SCOPE OF SUPPLY**

- BAUER breathing air purification system with SECURUS
- BAUER PLC base controller with multicolor touchpad
- NEMA 4 rated electrical enclosure with UL® listed control panel
- Compressor low oil pressure and high temperature safety shutdowns
- Emergency stop push button
- Hinged fill control panel with Lexan laminate air flow/fill schematic
- Priority refill system with storage bypass valve
- Automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor for automatic “Full” indication and compressor shutdown
- Two (2) UN code stamped air cylinders installed in an integral rack
- Sound attenuating enclosure with slam-action latches and lift-off type hinges
- NFPA 1901 2016 edition compliant 2 position containment fill station accommodates SCBA or SCUBA cylinders up to 31” overall length
- Inter-stage pressure gauges

**AVAILABLE ACCESSORIES (FACTORY INSTALLED)**

- CO monitoring system
- Regulated (adjustable) remote fill hose connection to include high pressure hose reel and 100 ft of 6000 PSIG rated high pressure hose
- ASME air storage cylinders in lieu of standard UN bottles
- Regulated (adjustable) panel mounted remote fill hose connection
- Dual Fill/2 position
- Tri Fill/2 position

**TECHNICAL DATA**

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<tr>
<th>Model</th>
<th>Charging Rate 1</th>
<th>Number of Stages</th>
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1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

3) 414 BAR = 6000 PSIG

- Dimensions and weight are approximate and are subject to change.
UNICUS III®

4 AND 5-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS

UNICUS III cylinder recharging station is the TOTAL SYSTEM for refilling high or low pressure SCBA or SCUBA cylinders. The integrated system design combines a BAUER high pressure compressor, BAUER breathing air purification system, air storage system, cascade fill panel and containment fill station into one user friendly workstation. Independently tested for safety, a UL® listed electrical assembly and the proven reputation for superior performance makes the UNICUS III the most advanced fill station available!

› PRESSURE:
  Up to 6000 PSIG (414 BAR)

› CHARGING RATE:
  13 to 42 SCFM (368 to 1190 L/MIN)

› POWER:
  10 to 30 HP (7.5 to 22 kW)

STANDARD SCOPE OF SUPPLY

› BAUER breathing air purification system with SECURUS
› BAUER PLC base controller with multicolor touchpad display
› NEMA 4 rated electrical enclosure with UL® listed control panel
› Compressor low oil pressure and high temperature safety shutdowns
› Emergency stop push button
› Hinged cascade fill control panel with Lexan laminate air flow/fill schematic
› Audible alarm on safety shutdowns
› Inlet filter maintenance indicator
› Automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor and automatic “Full” indication and compressor shutdown
› Two (2) ASME code stamped air cylinders installed in an integral rack designed to hold four cylinders
› Sound attenuating enclosure with slam-action latches and lift-off type hinges
› NFPA 1901 2016 edition compliant 3 position containment fill station accommodates SCBA or SCUBA cylinders up to 31” overall length

AVAILABLE ACCESSORIES
(FACTORY INSTALLED)

› CO monitoring system
› 100 ft high pressure cabinet enclosed hose reel
› Additional air storage cylinders
› Panel mounted remote fill hose connection
› Dual Fill/3 position
› Tri Fill/3 position

TECHNICAL DATA

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<td>30 22</td>
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</table>

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.
2) Compressor capacity referenced to standard inlet conditions.

E1=Single phase electric, 230 VAC/60 Hz. E3=Three phase electric, 208/230/460 VAC/60 Hz.
Other voltages available on request. Dimensions and weight are approximate and are subject to change.

SYSTEM FOOTPRINT

UN III/13H-E1/E3 - UN III/26-E3:
- DIMENSIONS L X W X H inches (mm):
  90” x 37” x 77” (2286mm x 940mm x 1956mm)
- WEIGHT pounds (kg):
  4150 - 4300 lb (1882.4 - 1950.4 kg)

UN III/42-E3 and UN III/35H-E3:
- DIMENSIONS L X W X H inches (mm):
  102” x 50” x 77” (2591mm x 1270mm x 1956mm)
- WEIGHT pounds (kg):
  5500 lb (2495 kg)

› PRESSURE:
  Up to 6000 PSIG (414 BAR)

› CHARGING RATE:
  13 to 42 SCFM (368 to 1190 L/MIN)

› POWER:
  10 to 30 HP (7.5 to 22 kW)
INNOVATION AT YOUR FINGERTIPS

Lab on Locale 2™ (OPTIONAL)
Analyzes, stores and transmits gas-sample readings via internet to an accredited A2LA lab, to satisfy quarterly air-sample testing & data reporting requirements prescribed by NFPA 1989.

BAUER Gas-Tek™ (OPTIONAL)
State-of-the-Art gas-sensor technology integrated with the HMI display detects trace amounts of harmful gases (CO, O₂, H₂S, CO₂) and automatically shuts off unit, while displaying an alarm.

HMI / Interactive Touch-Screen
Facilitates intuitive control of the entire system, including:
- Automatic air-storage cascading
- SCBA-filling
- Desired regulated fill-pressure

RFID Reader (OPTIONAL)
Data-logging interface, automatically reads & records 6 data-points from the RFID-equipped SCBA cylinders; in accordance with NFPA 1989 data-collection requirements.
This game-changing filling station employs our state-of-the-art control system centered around a 15-inch HMI touch screen interface, which allows the operator to manage the entire system from the single point touch screen. UNICUS 4i has several innovative optional features including BAUER Gas-Tek™ monitoring system, Lab On Locale 2™ and RFID Reader.

Pressures: 5000 to 6000 PSIG (345 to 414 BAR)

Charging Rate: 13 to 26.4 SCFM (368 to 748 L/MIN)

Power: 10 to 20 HP (7.5 to 15 kW)

STANDARD SCOPE OF SUPPLY
- BAUER breathing air purification system with SECURUS
- BAUER 15-inch HMI touch screen interface
- Solid state auto cascade system
- Compressor low oil pressure and high temperature safety shutdowns
- Emergency stop push button
- Ergonomic system-operations panel
- Ergonomically designed stainless steel fill adaptors with integral bleed valve
- Automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor and automatic “Full” indication and compressor shutdown
- Two (2) ASME code stamped air cylinders installed in an integral rack designed to hold four cylinders
- NFPA 1901 2016 edition compliant 3 position containment fill station accommodates SCBA or SCUBA cylinders up to 31” overall length

AVAILABLE ACCESSORIES (FACTORY INSTALLED)
- BAUER Gas-Tek™ gas monitoring system
- Lab on Locale 2™ accredited remote air testing system
- RFID Reader which reads and records data from the RFID equipped cylinders
- Hose reel for 100’ of high pressure breathing air hose
- Reg/RF
- Dual Fill/3 position
- Tri Fill/3 position
- Additional air storage cylinders

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate</th>
<th>Number of Stages</th>
<th>Motor</th>
<th>FAD</th>
<th>Purification System</th>
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1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig
2) Compressor capacity referenced to standard inlet conditions. Temperature +/- 5

WEIGHT: 4350 - 4550 lb (1973 - 2064 kg)

SYSTEM FOOTPRINT
- Dimensions L x W x H inches (mm): 101” x 38” x 78” (2565mm x 965mm x 1981mm)
- Weight: 4350 - 4550 lb (1973 - 2064 kg)
4 AND 5-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS

The ENGINE DRIVEN compressor for recharging SCBA or SCUBA cylinders combines compressor, purification system and engine drive. The frame’s rugged design is specific to the requirements of the engine drive/compressor block assembly.

- **PRESSURE:**
  Up to 6000 PSIG (414 BAR)

- **CHARGING RATE:**
  13 to 60 SCFM (368 to 1700 L/MIN)

- **POWER:**
  18 to 60 HP (13 to 45 kW)

### STANDARD SCOPE OF SUPPLY

- BAUER breathing air purification system with SECURUS
- BAUER PLC base controller with four line text display
- NEMA 4 rated electrical enclosure with hourmeter
- Compressor low oil pressure and high temperature safety shutdowns
- Emergency stop push button
- Automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor and automatic “Full” indication and compressor shutdown
- Interstage pressure gauges
- Electric start package including electric clutch and speed control solenoid
- Closed loop water-cooled diesel

### AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- CO monitoring system

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate1</th>
<th>Number of Stages</th>
<th>Motor</th>
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1 Based on recharging an 80 cubic foot tank from 500 to 3000 psig
2 Compressor capacity referenced to standard inlet conditions.

### SYSTEM FOOTPRINT

<table>
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<th>Model</th>
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<th>Weight Pounds (kg)</th>
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4 AND 5-STAGE HIGH PRESSURE MOBILE BREATHING AIR RECHARGING SYSTEMS

When your needs require a rugged trailer built for the fire service, rather than a cheap lightweight imitation, look to BAUER. Our TCOM TRAILER designs are powered by a unique diesel/electric dual drive system. Each system is equipped with a 2 position containment fill station, an enclosed fill control panel, four ASME storage cylinders and integral SCBA storage for up to twelve SCBA cylinders all incorporated onto a heavy duty frame built by BAUER.

- **PRESSURE:** 6000 PSIG (414 BAR)
- **CHARGING RATE:** 13 to 25.2 SCFM (368 to 714 L/MIN)
- **ELECTRIC MOTOR:** 10 to 20 HP (7.5 to 15 kW)
- **DIESEL ENGINE:** 27 to 37 HP (20 to 27 kW)

### STANDARD SCOPE OF SUPPLY

- BAUER breathing air purification system with SECURUS
- BAUER PLC based controller with four line text display
- NEMA 4 rated electrical enclosure with UL® listed control panel
- Automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor and automatic “Full” indication and compressor shutdown
- Four (4) 6000 PSIG ASME code stamped air cylinders
- Integral SCBA storage for up to twelve (12) SCBA cylinders
- NFPA 1901 2016 edition compliant 2 position containment fill station accommodates SCBA or SCUBA cylinders up to 31” overall length
- Unique diesel/electrical dual drive system incorporating our exclusive automatic belt tensioning system
- High gloss powder coat paint for a hard durable finish
- Hydraulic surge brakes with breakaway actuator
- Four (4) bank dual function cascade controls with air direction valve
- Formed structural steel frame designed and built by BAUER
- Rolled shutter door protection for the operations panel and fill station
- Refill port
- CO monitoring system with calibration kit
- Lunette eye hitch

### AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- **Option Package A** - Telescoping light mast with four (4) 500 watt fixtures, snorkel tube for compressor air inlet integrated with light mast and 7500 watt auxiliary generator
- **Option Package B** - Spare tire and wheel chocks with fender well storage
- **Option Package C** - 100 ft hose reel and interior lights
- **Option Package D** - 2 5/16” ball hitch
- **Option Package E** - 100 ½” L x 5 ½” H sign boards

### TECHNICAL DATA

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<tr>
<th>Model</th>
<th>Charging Rate¹</th>
<th>Number of Stages</th>
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¹ Based on recharging an 80 cubic foot tank from 500 to 3000 psig.  
² Compressor capacity referenced to standard inlet conditions. Image shown with additional accessories. Dimensions and weight are approximate and are subject to change.
4 AND 5-STAGE HIGH PRESSURE MOBILE BREATHING AIR RECHARGING SYSTEMS

If your needs do not require the amenities of the full-sized TCOM® look to the TCOM LITE. Designed and manufactured by BAUER for the budget minded customer, the TCOM LITE utilizes a multi-stage air-cooled compressor coupled to a water-cooled diesel engine. Our aesthetically pleasing enclosure encompasses the compressor system from inclement weather and road debris and the heavy-duty frame provides a firm foundation for up to four air storage cylinders. The single axle design enhances mobility with most smaller vehicles.

› PRESSURE: 6000 PSIG (414 BAR)
› CHARGING RATE: 13 to 25.2 SCFM (368 to 714 L/MIN)
› POWER: 18 to 27 HP (13.4 to 7.5 kW)

STANDARD SCOPE OF SUPPLY
› BAUER breathing air purification system with SECURUS
› BAUER PLC based controller with four line text display
› NEMA 4 rated electrical enclosure
› Automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor and automatic “Full” indication and compressor shutdown
› Two (2) 6000 PSIG UN code stamped air cylinders
› Integral SCBA storage for up to twelve (12) SCBA cylinders
› NFPA 1901 2016 edition compliant 2 position containment fill station accommodates SCBA or SCUBA cylinders up to 31” overall length
› Unique diesel drive system incorporating our exclusive automatic belt tensioning system
› High gloss powder coat paint for a hard durable finish
› Hydraulic surge brakes with breakaway actuator
› Four (4) bank dual function cascade controls with air direction valve
› Formed structural steel frame designed and built by BAUER
› Hypalon® type cover protection for the operations panel and fill station
› Refill port
› CO monitoring system with calibration kit
› 2” ball hitch

AVAILABLE ACCESSORIES (FACTORY INSTALLED)
› Option Package A - Spare tire with cover
› Option Package B - 75 ft hose reel and interior lights
› Option Package C - Lunette eye hitch
› Option Package D - Two (2) additional 6000 PSIG UN code stamped air cylinders

TECHNICAL DATA

<table>
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<tr>
<th>Model</th>
<th>Charging Rate</th>
<th>Number of Stages</th>
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<td>1300 PS SECURUS</td>
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</tbody>
</table>

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig
2) Compressor capacity referenced to standard inlet conditions.

Image shown with additional accessories. Dimensions and weight are approximate and are subject to change.
CONTAINMENT FILL STATIONS FOR AIR AND OXYGEN

Choose from a complete line of containment fill stations suitable for SCBA or SCUBA cylinders. Whether you need a 3-, 2- or single-position fill station, be assured each model was proof tested by an independent lab to safely contain fragments of a ruptured 5500 psi 110 cu. ft. SCBA cylinder at maximum operating pressure in accordance with the 2016 Edition of NFPA 1901. Ask about our custom options to tailor a model to your specific requirements.

**FILL POSITIONS:**
- One, two, or three
- Mobile or Stationary

**CUSTOM DESIGNED SYSTEM:**
- Dual function cascade controls (2 or 3 position)
- Top or side mounted panels
- Remote fill outlets

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**STANDARD SCOPE OF SUPPLY**

- Complete with cylinder scuff guard, SCBA fill connection, fill hose and bleed valve
- Fill control panel with adjustable regulator, relief valve, manual control valve and pressure gauge for each fill position ("S" version only)
- CFS5.5 "M" versions designed for use with remote air CFS5.5 distribution panel
- Mounting base is standard on "S" version and optional on "M" version
- Convenient door handle actuation
- Bottom venting
- Reduced footprint

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**SYSTEM FOOTPRINT**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions L x W x H inches (mm)</th>
<th>Weight pounds (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFS5.5-1S &amp; OXY-1S</td>
<td>18” x 21” x 55” (457mm x 533mm x 1397mm)</td>
<td>433 lb (196 kg)</td>
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<td>CFS5.5-1M &amp; OXY-1M</td>
<td>18” x 21” x 39” (457mm x 533mm x 990mm)</td>
<td>360 lb (163 kg)</td>
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<td>CFS5.5-2S &amp; OXY-2S</td>
<td>30” x 21” x 53” (762mm x 533mm x 1346mm)</td>
<td>670 lb (304 kg)</td>
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<tr>
<td>CFS5.5-2M &amp; OXY-2M</td>
<td>30” x 21” x 39” (762mm x 533mm x 990mm)</td>
<td>550 lb (249 kg)</td>
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<td>CFS5.5-3M</td>
<td>41” x 21” x 39” (1041mm x 533mm x 990mm)</td>
<td>740 lb (336 kg)</td>
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</table>

*All components in Oxygen stream are Oxygen cleaned in compliance with A.S.T.M. Standard G-93.
Dimensions and weight are approximate and are subject to change. Images shown with additional accessories.
UN AND ASME STORAGE SYSTEMS

BAUER high pressure air storage systems meet the code requirements of both the United Nations Model Regulations and the American Society of Mechanical Engineers. Storage cylinders and storage systems are offered for 5000, 6000 and 7000 PSIG applications. Optional mounting racks are available.

› PRESSURE:
5000 PSIG (345 BAR)
6000 PSIG (414 BAR)
7000 PSIG (476 BAR)

› CONFIGURATION:
Vertical
Horizontal

› STORAGE:
Bulk
Bank

REFERENCE ASY-0759 FOR VERTICAL CONFIGURATIONS
AND ASY-0758 FOR HORIZONTAL CONFIGURATIONS

TYPICAL SYSTEMS SHOWN BELOW

› UN STORAGE
› ASME STORAGE
› BULK STORAGE SYSTEM
ASME 4/BANK
› FOUR BANK CASCADE STORAGE SYSTEM
ASME 4/BANK/1-1-1-1

Model | 2-Cylinder Rack
---|---
UN 5000 | 475 | 215
UN 6000 | 525 | 238
ASME 935 | 424
SAFE AND AUTOMATIC CASCADE SCBA FILLING

The world leader in high pressure breathing air is proud to offer the premier method of automatically cascading your air storage system. The system utilizes our patent pending manifold block with integral valve bodies. Couple this with a commercially available PLC controller and you have the simplest cascade system available in the marketplace today.

- **FOUR TO ONE SAFETY FACTOR:**
  All components are manufactured for 6000 PSIG service

- **12 OR 115 VOLT OPERATED:**
  Simply specify at time of order

- **MANIFOLD INTEGRATION:**
  On any manufacturers cascade system

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STANDARD SCOPE OF SUPPLY

- Corrosion resistant high strength aluminum alloy manifold block
- Programmable Logic Controller for simplistic operation and heightened accuracy
- No adjustable shuttle valves
- LED indication as to which cascade cylinder is being utilized
- The system can be utilized on either stationary or mobile cascade systems
- A preset pressure bias of 0 PSIG can be adjusted to allow for quicker switch over time from one bank to another
- Pressure sensing by transducers rather than sequential valves, provides greater accuracy without leaks or pressure drift
- A bypass circuit is incorporated into the system allowing the storage system to be bypassed. This enhancement allows for more effective hose reel operation or possibly filling a mobile cascade system from a stationary system
- Can be installed onto any existing fill station or wall mounting

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SAFETY AND ADDED VALUE

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HIGH PRESSURE BREATHING AIR PURIFICATION FOR BAUER SYSTEMS

BAUER Air Purification Systems purify high pressure air to a quality that meets or exceeds the requirements of CGA Pamphlet G-7, Compressed Air for Human Respiration, ANSI/CGA G-7.1, Commodity Specification for Air, Grade E, and all other recognized standards for breathing air. Our Purification Systems can be retrofitted to most high pressure compressors.

WORLDWIDE LEADER:
- Compressors
- Purification and filtration

ANODIZED ALUMINUM FILTER HOUSING:
- Filter cartridge end caps are machine crimped
- Eliminating glues/friction welding
- Remote fill outlets

ANODIZED ALUMINUM FILTER CHAMBERS:
Each chamber and plug assembly are serialized to assure system traceability

STANDARD SCOPE OF SUPPLY

Images shown may have optional features.
# QUICK REFERENCE GUIDE

## Model Block ACD Gauges Purification Visual CO/Moisture IND Fill Assembly Electrical Start Hourmeter Working Pressure

### DIVE MATE BASE

<table>
<thead>
<tr>
<th>Model Block</th>
<th>Gauges</th>
<th>Purification</th>
<th>Visual CO/Moisture IND</th>
<th>Fill Assembly</th>
<th>Electrical Start</th>
<th>Hourmeter</th>
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## Model Block ACD Gauges Purification Storage Type Storage Quantity Add'lt Storage CO Mon H2S Mon Fill Assembly Electrical Start Working Pressure

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$s$ standard  $o$ optional  $—$ option not available
QUALITY AND RELIABILITY
Our factory-original replacement parts assures you that when maintenance or repair is performed, you are restoring the unit to its original specifications and performance.

GLOBAL SERVICE

FROM THE SOURCE
BAUER Compressors Inc. is certified with ISO 9001:2008 quality processes providing you with confidence that cannot be duplicated by sub-standard after-market parts and service.

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Our compressors are designed with you in mind. Easy to use manuals guide you through clear, mechanically accessible repairs. Our worldwide distribution network was developed to assist in after-sales support, along with product and maintenance parts assistance.

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