BREATHING AIR CATALOG
High-Pressure Systems for Safety & Sports Applications
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 — insuring 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 and New York.

MISSION STATEMENT

Our mission at BAUER COMPRESSORS INC. is to provide the highest quality products and solutions for high-pressure air and gas. We are committed to using 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, and are delivered on time, defect-free and are supported to achieve their maximum potential throughout their entire lifecycle.

OUR EXPERIENCE. YOUR BENEFIT.

Our 75 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 state-of-the-art 250,000 square-foot facility in Norfolk, Virginia means we can stand behind all of the research and development in our breathing-air systems, which are made right here in the U.S.A.
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3-, 4-, AND 5-STAGE OPEN HIGH-PRESSURE BREATHING AIR COMPRESSORS

BAUER’s VERTECON® series of high-pressure breathing air compressor systems have been an industry leader for many years. We combined the simplistic platform with an economical design, featuring the latest BAUER technological enhancements. The series now features an integral base that eliminates the guesswork of product placement, ensuring the system has been installed correctly for system ventilation and maintenance accessibility. A refreshed HMI operations panel and electrical control system allow you to tailor the system to your specific requirements. When simple is what you want, look to BAUER.

**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 7” color HMI touchscreen display
- Belt adjustment tool
- 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
- Zero loss automatic condensate drain system
- Interstage pressure gauges (locally mounted)
- Compressor on/off, final pressure, oil pressure and high-temperature shutdown
- Motor overload indication
- Final separator counter with shutdown and operator indication
- Unique integrated positioning base which ensures correct installation every time

**AVAILABLE ACCESSORIES (FACTORY INSTALLED)**
- BAUER Gas-Tek™ CO monitoring system
- B-SECUrus - Electronic moisture monitoring for the purification system
- B-Kool (floor mount only)
- H₂S monitoring system with audible alarm

**SYSTEM FOOTPRINT**

**VEC05 - VEC13:**
- DIMENSIONS L X W X H inches (mm)
  - 54” x 34” x 56” (1372.6mm x 863.6mm x 1422.4mm)
- WEIGHT pounds (kg)
  - 800 - 900 lb (363 - 408.2 kg)

**VEC18 - VEC26:**
- DIMENSIONS L X W X H inches (mm)
  - 54” x 34” x 63” (1372.6mm x 863.6mm x 1600.2mm)
- WEIGHT pounds (kg)
  - 1200 - 1300 lb (544.3 - 589.7 kg)

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate¹</th>
<th>Number of Stages</th>
<th>Motor HP</th>
<th>FAD²</th>
<th>RPM</th>
<th>Purification System</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEC08-E1/E3</td>
<td>8.4 238</td>
<td>3</td>
<td>7.5</td>
<td>5.6</td>
<td>7</td>
<td>1250 P31</td>
</tr>
<tr>
<td>VEC20-E3</td>
<td>21 595</td>
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<td>15</td>
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<td>17.5</td>
<td>1300 P5</td>
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<tr>
<td>VEC26-E3</td>
<td>26.4 748</td>
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<td>1350 P5</td>
</tr>
<tr>
<td>VEC05-E1/E3</td>
<td>5 142</td>
<td>3</td>
<td>5</td>
<td>3.7</td>
<td>4</td>
<td>1050 P2</td>
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<tr>
<td>VEC10-E1/E3</td>
<td>9.7 275</td>
<td>4</td>
<td>7.5</td>
<td>5.6</td>
<td>8.1</td>
<td>1180 P2</td>
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<tr>
<td>VEC13-E1/E3</td>
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<td>7.5</td>
<td>10.8</td>
<td>1420 P2</td>
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<td>VEC18-E3</td>
<td>18 510</td>
<td>4</td>
<td>15</td>
<td>11</td>
<td>15</td>
<td>1325 P5</td>
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<tr>
<td>VEC25-E3</td>
<td>25.2 714</td>
<td>5</td>
<td>20</td>
<td>15</td>
<td>21</td>
<td>1300 P5</td>
</tr>
</tbody>
</table>

¹ Based on recharging an 80 cubic foot tank from 500 to 3000 psig.
² 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.
### STANDARD SCOPE OF SUPPLY
- BAUER breathing air purification system with B-SECURUS
- BAUER PLC based controller with 7" color HMI touchscreen display
- NEMA 4 rated electrical enclosure with UL® listed control panel
- Compressor low oil pressure and high-temperature safety shutdowns
- Emergency stop push button and automatic start/stop control
- Zero loss automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor and automatic "Full" indication and compressor shutdown
- Interstage pressure gauges (locally mounted)
- Vertically hinged front operations panel and lift-off side maintenance access doors
- Inlet filter maintenance indicator
- Unique hinged front operations panel

### AVAILABLE ACCESSORIES (FACTORY INSTALLED)
- BAUER Gas-Tek™ CO monitoring system
- B-Kool
- H₂S monitoring system with audible alarm

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate1</th>
<th>Number of Stages</th>
<th>Motor</th>
<th>FAD2</th>
<th>RPM</th>
<th>Purification System</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAC5-E1/E3</td>
<td>5 142</td>
<td>3 5 3.7</td>
<td>4 1050</td>
<td>P2 B-SECURUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAC5-E1/E3</td>
<td>8 227</td>
<td>3 7.5 5.6</td>
<td>4 1450</td>
<td>P2 B-SECURUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAC10-E1/E3</td>
<td>9.7 275</td>
<td>4 7.5 5.6</td>
<td>6.1 1180</td>
<td>P2 B-SECURUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAC13-E1/E3</td>
<td>13 388</td>
<td>4 10 7.5</td>
<td>10.8 1420</td>
<td>P2 B-SECURUS</td>
<td></td>
<td></td>
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<tr>
<td>VAC16-E3</td>
<td>18 510</td>
<td>4 15 11</td>
<td>15 1325</td>
<td>P2 B-SECURUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAC25-E3</td>
<td>25.2 714</td>
<td>5 20 15</td>
<td>21 1300</td>
<td>P2 B-SECURUS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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. Dimensions and weight are approximate and are subject to change.

### VERTICUS®

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

The days of "Breadbox" designed compressor packages are over! Step up to the BAUER VERTICUS®. The updated, sound-attenuated cabinet is equipped with an aesthetically pleasing operations panel, ensuring easy access to the drive belts. Vertically hinged and lift-off side access doors incorporate fast pin technology for fast removal of the doors for maintenance – no hand tools required! The rear panel incorporates integral handles and a tabbed lift-off design. The front access door includes a hex-keyed latch to eliminate any accidental door openings while the system is operating. Sound attenuation has been incorporated on every possible panel to provide a nice and quiet operating level of approximately 72 dB (within one meter). One package size accommodates BAUER high-pressure air-cooled compressors from 5 to 20 Hp motors. Our new, larger, 7" HMI enhances the monitoring of system functions.

### 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)
7000 PSIG Breathing Air Systems

As SCBA working pressures increase, so must the fire department’s high-pressure breathing air compressor system. If left unchecked, the department runs the risk of not supporting their breathing air demand for grade “E” breathing air. BAUER Compressors is the first company in the industry to offer a wide and varied product portfolio to meet your specific needs. We start with a performance-proven BAUER air-cooled high-pressure compressor designed, built, and rated for continuous duty operations at 7000 PSIG. The compressor has been in existence long before others. It has proven itself since 1992 in the high-pressure, non-breathing air market where up-time demands are far more stringent than the breathing air market. We couple the compressor to one of our BAUER high-pressure breathing air purification systems, designed for continuous operations at 7000 PSIG while meeting the Compressed Gas Association’s rigorous breathing air quality standards for grade “E” air and/or the National Fire Protection Association (1989 standard for high-pressure breathing air) along with many other recognized global standards.

BAUER Compressors offers two (2) models of 7000 PSIG compressor packages, each outfitted to meet your specific requirements. A simplistic component system utilizing one of our VERTECON® compressor packages. Along with an independently tested and verified CF55.5®-3S or CF55.5®-2S SCBA containment fill station and an ASME coded air storage system; Or step up to either a UNICUS® 4S or UNICUS® 4i All-In-One compressor package, each outfitted to meet your specific needs. No matter which compressor system you select, rest assured all of the components were chosen in strict adherence to NFPA 1901-2016 edition, calling for a 4:1 structural safety factor.

VERTECON®

STANDARD SCOPE OF SUPPLY

› BAUER breathing air purification system
› Open vertical cabinet made of formed sheet steel providing 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 7” color HMI touchscreen 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
› Stainless steel tubing throughout, no cheap plastic tubing
› Rugged powder coat finish
› Automatic condensate drain system with integral reservoir level sensor to provide system shutdown when the reservoir is full
› Interstage pressure gauges (locally mounted)
› SECURUS Moisture Monitor

SYSTEM FOOTPRINT

DIMENSIONS L X W X H inches (mm)
› 54” x 34” x 63” (1372mm x 864mm x 1600mm)

WEIGHT pounds (kg)
› 1075 lb (488 kg)

PLC CONTROLLER

› Compressor on/off, final pressure, oil pressure, high temperature shutdown
› Supports automatic condensate drain system
› Motor overload indication
› Final separator counter with shutdown and operator indication

AVAILABLE ACCESSORIES (FACTORY INSTALLED)

› BAUER Gas-Tek™ CO monitoring system
› H2S monitoring system

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Block</th>
<th>Charging Rate1 (SCFM)</th>
<th>Number of Stages</th>
<th>Motor</th>
<th>FAO2</th>
<th>RPM</th>
<th>Purification System</th>
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<tbody>
<tr>
<td>VTC-7K/20</td>
<td>K18.11</td>
<td>20</td>
<td>20</td>
<td>15</td>
<td>17</td>
<td>1300</td>
<td>PS B-SECURUS</td>
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<tr>
<td>VTC-7K/15</td>
<td>K15.11</td>
<td>13</td>
<td>13</td>
<td>11</td>
<td>11</td>
<td>960</td>
<td>PS B-SECURUS</td>
</tr>
</tbody>
</table>

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

On Three-phase electric, 208/230/460 VAC/60 Hz. Other voltages available on request.
**CFS5.5°**

**STANDARD SCOPE OF SUPPLY**
- Complete with SCBA fill connection, fill hose and bleed valve
- Fill control panel with an adjustable regulator, relief valve, manual control valve and pressure gauge for each fill position
- Convenient door handle actuation, bottom venting and reduced footprint
- Hands-free door interlock
- Compliant with NFPA 1901 2016 Edition
- Four bank dual function cascade controls
- Air direction valve

**SYSTEM FOOTPRINT**
- **CFS5.5°-3S**
  - Dimensions L x W x H inches (mm): 41" x 21" x 57" (1041mm x 533mm x 1448mm)
  - Weight pounds (kg): 1000 lb (454 kg)
- **CFS5.5°-2S**
  - Dimensions L x W x H inches (mm): 30" x 21" x 57" (762mm x 533mm x 1448mm)
  - Weight pounds (kg): 750 lb (390.2 kg)

**TECHNICAL DATA**

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<tr>
<th>Model</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>CFS5.5°-2S</td>
<td>Two position CFS equipped with inlet pressure gauge adjustable regulator, regulated pressure gauge, fill control valve and fill pressure gauges. Unit will consist of Dual functions, top mount, four bank cascade panel. The dual function feature offers the ability to refill a storage bank, even with the bank valve closed, while filling SCBA’s from another bank. It also includes an air direction valve allowing the operator to select “fill from storage” or “fill from compressor”, additionally the system includes a regulated remote fill outlet.</td>
</tr>
<tr>
<td>CFS5.5°-3S</td>
<td>Three position CFS equipped with inlet pressure gauge adjustable regulator, regulated pressure gauge, fill control valve and fill pressure gauges. Unit will consist of Dual functions, top mount, four bank cascade panel. The dual function feature offers the ability to refill a storage bank, even with the bank valve closed, while filling SCBA’s from another bank. It also includes an air direction valve allowing the operator to select “fill from storage” or “fill from compressor”, additionally the system includes a regulated remote fill outlet.</td>
</tr>
</tbody>
</table>

**AIR STORAGE STANDARD SCOPE OF SUPPLY**
- The scope of supply for the ASME cylinder assembly includes four ASME coded cylinders, an ASME safety relief valve, cylinder valve and drain valve for each cylinder
- Assemblies are designed to be used with a BAUER four-bank cascade panel. Gauges are not included on the individual cylinders as they are on the cascade pane.
- ASME-7K-3:1 is a heavy-duty, welded steel rack designed for vertical cylinder configuration for stationary or mobile applications. Each cylinder is independently affixed to the rack with unistrut type clamps
- ASME-7K-4:1 is a heavy-duty, welded steel rack designed for horizontal cylinder configuration for stationary applications. Each cylinder is independently affixed to the rack with clamps

**SYSTEM FOOTPRINT**
- **ASME-7K-3**
  - Dimensions L x W x H inches (mm): 52" x 17.5" x 69.5" (1320.8mm x 444.5mm x 1765.3mm)
  - Weight pounds (kg): 2000 lb (3220 kg)
- **ASME-7K-4**
  - Dimensions L x W x H inches (mm): 95" x 34" x 44" (2413mm x 864mm x 1118mm)
  - Weight pounds (kg): 7100 lb (3220 kg)

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ASME-7K-3:1</td>
<td>4 Cylinder System with maximum operating pressure of 7000 PSIG installed in a vertical rack. System shall provide a 3:1 structural safety factor</td>
</tr>
<tr>
<td>ASME-7K-4:1</td>
<td>4 Cylinder System with maximum operating pressure of 7000 PSIG installed in a horizontal rack. System shall provide a 4:1 structural safety factor</td>
</tr>
</tbody>
</table>
7000 PSIG ALL IN ONE SYSTEM: UNICUS® 4S & 4i

BAUER COMPRESSORS, INC. is the first company to offer a fully unitized compressor system built for 7000 PSIG service. Let’s start with continuous duty BAUER 7000 PSIG compressors, which were in existence well before others put pen to paper. We couple the compressor to a BAUER high pressure breathing air purification system that meets the rigorous CGA, NFPA, and many other global standards for high pressure breathing air. A sound attenuated cabinet enclosure incorporates a four (4) cylinder 7000 PSI ASME air storage system along with an NFPA compliant 3-position containment SCBA fill station. Operations and systems functions are simplified with everything located on a centrally located and illuminated operations panel, including an ergonomic and intuitive HMI touchscreen.

Additionally, we are offering you two (2) modes of operation, analog or automatic. The UNICUS® 4S is your choice for all things manually controlled. Should your department wish the automated path, select the UNICUS® 4i. If you want to dress your unit in concert with the Fire Departments theme, ask about our Fire Edition package. Look to BAUER COMPRESSORS when your department needs the best all-in-one compressor system on the market today, backed by our global network of service partners.

PRESSURE:
Up to 7000 PSIG (483 BAR)

CHARGING RATE:
13 to 20 SCFM (368 to 566 L/MIN)

POWER:
15 to 20 HP (11 to 15 kW)

STANDARD SCOPE OF SUPPLY

- BAUER breathing air purification system with B-SECURUS
- BAUER PLC based controller with 7” color HMI touchscreen display on 4S, 15” HMI on 4i
- 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 lamine 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
- Four (4) ASME 7000 PSI code stamped air cylinders; Cylinders are rated at a 3:1 SF
- Sound attenuating enclosure with clam-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
- Manually controlled dual-function 4 bank cascade controls with air direction valve are standard on the 4S models; Automatic cascade controlled logic is standard on the 4i models
- BAUER high pressure breathing air purification system that meets the rigorous CGA, NFPA, and many other global standards for high pressure breathing air
- A sound attenuated cabinet enclosure incorporates a four (4) cylinder 7000 PSI ASME air storage system along with an NFPA compliant 3-position containment SCBA fill station. Operations and systems functions are simplified with everything located on a centrally located and illuminated operations panel, including an ergonomic and intuitive HMI touchscreen.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate¹</th>
<th>Number of Stages</th>
<th>Motor</th>
<th>FAD²</th>
<th>RPM</th>
<th>Purification System</th>
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<tr>
<td>7000 PSIG (483 BAR)</td>
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<tr>
<td>UN 4S-15/7K</td>
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<td>15 11 10.8 960</td>
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<td>UN 4S-20/7K</td>
<td>20 566 5</td>
<td>20 15 17 1300</td>
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<tr>
<td>UN 4i-15/7K</td>
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<td>15 11 10.8 960</td>
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<tr>
<td>UN 4i-20/7K</td>
<td>20 566 5</td>
<td>20 15 17 1300</td>
<td>PS B-SECURUS</td>
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</tr>
</tbody>
</table>

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

SYSTEM FOOTPRINT

- 100” x 38” x 80” (2565mm x 965mm x 2032mm)
- 4350 - 4550 lb (1973 - 2064 kg)

OPTIONAL ACCESSORIES - 7000 SERIES UNICUS 4S & 4i 4i

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
<td>BAUER Gas-Tek™ Electronic carbon monoxide monitor complete with calibration lot wired for alarm and shutdown. (calibration gas included)</td>
</tr>
<tr>
<td>0002</td>
<td>Panel mounted remote fill hose connection. Includes bulkhead fitting, adjustable regulator for up to 6000 PSIG service, gauge, isolation valve and quick connect/disconnect fitting (hose not included)</td>
</tr>
<tr>
<td>0003</td>
<td>UN4 remote fill hose connection including adjustable regulator for up to 6000 PSIG service, and isolation valve connected to a cabinet enclosed hose reel with 100 feet of hose rated for 6000 PSIG service</td>
</tr>
<tr>
<td>0004</td>
<td>DUAL-FILL, high/low, quick connect fill system (specify fill pressures)</td>
</tr>
<tr>
<td>0005</td>
<td>TRI-FILL, high/low/SCUBA, quick connect fill system (specify fill pressures)</td>
</tr>
<tr>
<td>0006</td>
<td>Fire Edition paint scheme</td>
</tr>
<tr>
<td>0007</td>
<td>RFID SCBA Data Logging</td>
</tr>
<tr>
<td>0008</td>
<td>RFID DATA TAGS Each Kit inclues 25-each tags</td>
</tr>
</tbody>
</table>

AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- BAUER Gas-Tek™ CO monitoring system
- BAUER RFID/Pro™ SCBA data logging (UNICUS 4S)
- RFID data tags (UNICUS 4I & 4S)
- RFID SCBA data logging integrated into fill station (UNICUS 4I)
- 100 ft high-pressure cabinet enclosed hose reel
- Panel mounted remote fill hose connection
- Dual Fill-all SCBA positions
- Tri Fill-all SCBA positions
PLUS MODULE

3- AND 4-STAGE MULTI-FUNCTIONAL HIGH-PRESSURE BREATHING AIR COMPRESSORS VERTICUS PLUS®

The same package amenities found in the VERTICUS® high-pressure breathing air compressor system, plus a free-standing aesthetically pleasing multi-functional fill station module, are combined to create the BAUER VERTICUS PLUS®. BAUER’s performance-proven CFS5.5®-2S NFPA compliant containment fill station; two (2) bank dual function cascade controls; integral air storage rack with two (2) UN/ISO code air storage cylinders; 3-way selector valve to select either air from the compressor or onboard air storage system all come together creating the ultimate fill station. Install the two (2) modules side by side as an all-in-one configuration or apart based on the installation site specifics. Flexibility is the key, look to BAUER to unlock the possibilities.

NOW AVAILABLE IN TWO NEW EXCITING OFFERINGS!

VERTECON® PLUS

BAUER’s series of high-pressure breathing air compressor systems have been an industry leader for many years. An economical design featuring the latest BAUER technological enhancements and unsurpassed maintenance accessibility is incorporated within the simplistic platform. The series now features an integral base that eliminates the guesswork of product placement, ensuring the system has been installed correctly for system ventilation and maintenance accessibility.

Matched with the VERTECON® Compressor is the CFS5.5®-2/PLUS: A two-position Fully NFPA Compliant (1901 & 1989) SCBA/SCUBA Fill Station. The CFS5.5®-2/PLUS includes an attractive, ergonomically designed, two-bank Cascade Fill Control Panel and an integral air storage system consisting of two 6000 PSIG UN/ISO air storage cylinders. The VERTECON® PLUS System can be further enhanced by the substitution of ASME air storage cylinders in lieu of UN and the addition of the optional Regulated Remote Fill Outlet, including a high-pressure hose reel and 100 ft. of 6000 PSIG High-Pressure Hose!

BAUER LEGACY® PLUS

The BAUER LEGACY™ Series built in the rugged and proven VERTECON® Frame offers “Back To Basics Simplicity” while still incorporating PLC Control! Replacing the HMI/Touchscreen will be a simple, illuminated On/OFF Switch and a set of flashing indicator lamps; the lamps will flash a code representing fault warnings and shutdowns.

Matched with the BAUER LEGACY™ Compressor is the CFS5.5®-2/PLUS: A two-position Fully NFPA Compliant (1901 & 1989) SCBA/SCUBA Fill Station. The CFS5.5®-2/PLUS includes an attractive, ergonomically designed, two-bank Cascade Fill Control Panel and an integral air storage system consisting of two 6000 PSIG UN/ISO air storage cylinders. The BAUER LEGACY™ System can be further enhanced by the substitution of ASME air storage cylinders in lieu of UN/ISO and the addition of the optional Regulated Remote Fill Outlet including a high-pressure hose reel and 100 ft. of 6000 PSIG High-Pressure Hose!
0320-E/D

4-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS

The 0320-E/D 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 0320-E/D an ideal choice when a robust compressor is required for the extremes of the drilling environment. Enhanced purification and diesel engine upgrades allow us to have third party certification for operations at temperatures up to 55°C (131°F).

- 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>
<th>Charging Rate¹</th>
<th>Number of Stages</th>
<th>Motor</th>
<th>FAD²</th>
<th>RPM</th>
<th>Purification System</th>
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<tbody>
<tr>
<td>0320-D</td>
<td>13 368</td>
<td>4</td>
<td>18 13</td>
<td>10.8</td>
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<tr>
<td>0320-E</td>
<td>13 368</td>
<td>4</td>
<td>10 7.5</td>
<td>10.8</td>
<td>1420</td>
<td>P2</td>
</tr>
</tbody>
</table>

¹) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.
²) Compressor nameplate 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
- 3rd party certified for operations at 55°C

AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- CO monitoring system
- SECURUS - Electronic moisture monitoring for the purification system
- H₂S monitoring system with audible alarm

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

- Name plated for operations at 55°C
- Air-cooled diesel
- Electric clutch and speed control solenoid
- Spark arrestor muffler
- Anti-vibration mounts for engine

DIESEL ENGINE DRIVEN MODELS

- Name plated for operations at 55°C
- 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

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 B-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**

- BAUER Gas-Tek™ CO monitoring system
- H2S monitoring system

**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>
<th>Purification System</th>
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<tbody>
<tr>
<td></td>
<td>SCFM L/MIN</td>
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<td>6000 PSIG (414 BAR)</td>
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<td>368</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

---

**SYSTEM FOOTPRINT**

- **H13-K26:**
  Dimensions L x W x H inches (mm): 63” x 49” x 46” (1600mm x 1245mm x 1168mm)
  Weight pounds (kg): 1300 - 3750 (590 - 1700)

- **H35-K42:**
  Dimensions L x W x H inches (mm): 95” x 52” x 49” (2413mm x 1320mm x 1245mm)
  Weight pounds (kg): 1300 - 3750 (590 - 1700)

- **K60:**
  Dimensions L x W x H inches (mm): 112” x 52” x 53” (2845mm x 1320mm x 1346mm)
  Weight pounds (kg): 1300 - 3750 (590 - 1700)
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 (EPA Tier 4 Compliant): 27 to 37 HP (20 to 27 kW)

STANDARD SCOPE OF SUPPLY

› BAUER breathing air purification system with B-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
› Rollered shutter door protection for the operations panel and fill station
› Refill port
› BAUER Gas-Tek™ 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

SYSTEM FOOTPRINT

<table>
<thead>
<tr>
<th>DIMENSIONS L x W x H* inches (mm)</th>
<th>WEIGHT pounds (kg)</th>
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</thead>
<tbody>
<tr>
<td>200” x 90” x 105” (5080mm x 2286mm x 2267mm)</td>
<td>8400 lb (3810 kg)</td>
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† with optional light mast

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate¹</th>
<th>Number of Stages</th>
<th>Motor/Engine</th>
<th>FAD²</th>
<th>RPM</th>
<th>Purification System</th>
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<td>TCOM-13H</td>
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<td>TCOM-25H</td>
<td>25.2</td>
<td>714</td>
<td>5</td>
<td>20 - 37</td>
<td>15 - 27</td>
<td>21</td>
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</tbody>
</table>

¹ Based on recharging an 80 cubic foot tank from 500 to 3000 psig
² compressor speeds referenced to standard inlet conditions

Image shown with additional accessories. Dimensions and weight are approximate and are subject to change.
TCOM LITE®

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 (EPA Tier 4 compliant). 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 20 kW)

**STANDARD SCOPE OF SUPPLY**

- BAUER breathing air purification system with B-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
- 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
- BAUER Gas-Tek™ CO monitoring system with calibration kit
- 2” ball hitch

**SYSTEM FOOTPRINT**

**DIMENSIONS L x W x H inches (mm)**
- 144” x 77” x 72” (3658mm x 1956mm x 1830mm)

**WEIGHT pounds (kg)**
- 5400 lb (2450 kg)

**AVAILABLE ACCESSORIES (FACTORY INSTALLED)**

- **Option Package A** - Spare tire with cover
- **Option Package B** - 100 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
- **Option Package E** - Two (2) ASME cylinders in lieu of standard Two (2) UN cylinders

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate¹</th>
<th>Number of Stages</th>
<th>Motor</th>
<th>FAD²</th>
<th>RPM</th>
<th>Purification System</th>
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<tr>
<td>TCL-13H</td>
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<tr>
<td>TCL-25H</td>
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<td>5</td>
<td>27</td>
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<td>21</td>
<td>1300</td>
</tr>
</tbody>
</table>

¹ Based on recharging air 80 cubic feet tank from 500 to 3000 psig
² Compressor values referenced to standard inlet conditions

Image shown with additional accessories. Dimensions and weight are approximate and are subject to change.
When your department requires the need for a mobile breathing air truck, look no further than BAUER. For 75 years, BAUER has been the industry leader in high pressure breathing air compressor systems. We start with critical components designed, engineered, and manufactured in our factories. Our sales & engineering staff work closely with your truck manufacturer of choice to ensure the entire system meets your department’s critical needs. Your closest factory authorized BAUER Partner is brought into the equation to maximize customer satisfaction and support with the product after the truck has been delivered to you.

### MOBILE PACKAGE

**CUSTOM DESIGNED SYSTEM:**
- Up to 7,000 PSIG
- 13 to 35 SCFM (368 to 1017 l/min) Charging Rate
- 10 to 30HP (7.5 to 22kw)
- Electric and diesel driven
- UN and ASME air storage cylinders
- Custom air flow control panels
- NFPA 1901 Approved, 3rd Party Tested Containment Fill Stations
- Proven performance with over 35 years of experience

**AIR STORAGE OPTIONS:**
- UN DOT cylinders are rate to 6000 PSIG working pressure
- 10 Year retest requirement for UN/ISO Cylinders.
- ASME coded cylinders rated to 7000 PSIG working pressure (3:1 structural safety factor)
- Safety Relief Valve installed on each ASME Cylinder along with moisture drain valve
- All Cylinders are pre-piped with stainless steel tubing within compressor skid package
- Cylinders can be shipped loose for custom installation within truck body

### STANDARD SCOPE OF SUPPLY
- Skid mounted BAUER multi-stage air-cooled compressor.
- BAUER breathing air purification system with B-SECURUS electronic moisture monitoring system.
- BAUER B-drain automatic condensate drain system with integral skid mounted collection reservoir.
- BAUER Gas-Tek™ CO monitoring system with calibration kit.
- BAUER PLD based controller with 7" color HMI touchscreen display.
- NEMA 4 rated electrical enclosure with UL® listed control panel.
- Single Phase & Three Phase Electrical Motor Voltage options.
- Soft start electronics to reduce initial start-up load on the truck mounted generator system.
- Compressor low oil pressure and high temperature safety shutdowns.
- Emergency stop push button.
- Stainless steel interconnecting piping.
- Air Storage Refill Port.

### BAUER CFS5.5® FILL STATIONS:
- Designed & Tested to meet NFPA 1901 2016 Edition Standards.
- BAUER CFS5.5® fill stations were tested & passed a 5500 PSIG SCBA rupture with 110 cu ft cylinder.
- Our standard fill stations can be supplied in a single, two, or three position configurations.
- Dual two & three position fill stations are popular with larger fire departments.
- Can accommodate many sized steel & Aluminum Dive Tanks.
- Remote Mounted HMI Compressor Controls are integrated into our fill station control panels.
- Top or Side Mounted DUAL Function Cascade Control Panels.
- Air selector valve to select filling “From Compressor / Fill From Storage”.
- ABS Risers located in each fill position to ensure proper height of SCBA cylinder within Fill Station.
- Custom Fill Control Panels to include High Pressure & Low-Pressure Hose Reel Controls.
UNICUS® 4S

4- AND 5-STAGE ALL-IN-ONE HIGH-PRESSURE BREATHING AIR COMPRESSORS

A modern upgrade with the simplicity of analog controls; aesthetically pleasing yet robust design found only in the UNICUS® 4S All-In-One platform. The system is available in either 5000 or 6000 PSIG with discharge capacities ranging from 13 SCFM charge rate to 26 SCFM charge rate. Unsurpassed maintenance accessibility abounds as we have provided all access doors with snap pin technology — pull the pin and lift the door; no hand tools are required. Should you require access to the back of the operations panel, no problem; we have your back, the panel tilts forward. All requisite panels are equipped with sound attenuated material. An integral rack built to accommodate four (4) storage cylinders is standard, along with the piping. Additionally, we provide two (2) ASME-coded air storage cylinders as a part of the standard scope of supply. If you want to dress your unit up in concert with the integral rack built to accommodate four (4) storage cylinders is standard, along with the piping. Additionally, we provide 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.

- PRESSURE: Up to 6000 PSIG (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 B-SECURUS
- BAUER PLC based controller with 3” color HMI touchscreen 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

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate 1</th>
<th>Number of Stages</th>
<th>Motor</th>
<th>FAD 2</th>
<th>RPM</th>
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<tbody>
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<td>20</td>
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<td>1300</td>
</tr>
</tbody>
</table>

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

SYSTEM FOOTPRINT

- Dimensions L x W x H inches (mm)
- 101” x 38” x 80” (2565 mm x 965 mm x 2032 mm)
- Weight pounds (kg) 4350-4550 (1973 - 2064 kg)

AVAILABLE ACCESSORIES

- BAUER Gas-Tek™CO monitoring system
- 100 ft high pressure cabinet enclosed hose reel
- Panel mounted remote fill hose connection
- Dual Fill/3 position
- Tri Fill/3 position

OPTIONAL ACCESSORIES

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Part Number</th>
</tr>
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<tbody>
<tr>
<td>0001</td>
<td>BAUER Gas-Tek™ Electronic carbon monoxide monitor complete with calibration kit wired for alarm and shutdown. (calibration gas included)</td>
<td>GT/CO/II</td>
</tr>
<tr>
<td>0002</td>
<td>Each additional ASME 5000 PSIG cylinder with relief valve and mounting clamps</td>
<td>/CYL-9/5K</td>
</tr>
<tr>
<td>0003</td>
<td>Each additional ASME 6000 PSIG cylinder with relief valve and mounting clamps</td>
<td>/CYL-9/6K</td>
</tr>
<tr>
<td>0004</td>
<td>Panel mounted remote fill hose connection: includes bulkhead fitting, adjustable regulator for up to 6000 PSIG service, gauge, isolation valve and quick connect/disconnect fitting [hose no included]</td>
<td>/RF/REG</td>
</tr>
<tr>
<td>0005</td>
<td>UN4 remote fill hose connection including adjustable regulator for up to 6000 PSIG service, gauge and isolation valve connected to a cabinet enclosed hose reel with 100 feet of hose rated for 6000 PSIG service</td>
<td>UN4/RF/BEL-12</td>
</tr>
<tr>
<td>0006</td>
<td>DUAL-FILL, high/low, quick connect fill system (specify fill pressures)</td>
<td>DUAL-FILL/3 position</td>
</tr>
<tr>
<td>0007</td>
<td>TRIFILL, high/low/SCUBA, quick connect fill system (specify fill pressures)</td>
<td>TRIFILL/3 position</td>
</tr>
<tr>
<td>0008</td>
<td>Fire Edition paint scheme</td>
<td>Fire Edition paint scheme</td>
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</tbody>
</table>
INNOVATION AT YOUR FINGERTIPS

INCREASED UPTIME
QUICKER AND SECURE ACCESS

Our auto cascade system has replaced all operations panel-mounted valves and pressure gauges which help reduce human error when filling SCBA and SCUBA cylinders.

All system controls are within the panel-mounted HMI and include:
- Airstorage controls
- Independent SCBA fill pressures
- Independent SCBA fill speed
- Automatic cascade control system rated for 7000 psi service
- Secure and quicker way to log into the unit with a BAUER key fob
- RFID Reader interface, automatically read & records the SCBA fill event in accordance with NFPA 1989 data collection requirements

Manual cascade bypass control comes standard to fill cylinders in case of a system power loss.

Optional Features:
- Gas-Tek monitoring systems allow you to tailor the system to your departments specific requirements

NEWLY REDESIGNED

Motor ratings from 10 to 20 hp
Discharge capacity from 13 to 26.4 scfm charge rate
Industrial grade 15”-HMI/Interactive Touchscreen
Operational pressures from 5000 to 7000 psig
4- AND 5-STAGE HIGH-PRESSURE BREATHING AIR COMPRESSORS

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, and RFID Reader.

**PRESSURE:**
Up to 6000 PSIG (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 B-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
- NIPA 1901 2016 edition compliant 3 position containment fill station accommodates SCBA or SCUBA cylinders up to 31" overall length

**SYSTEM FOOTPRINT**
- DIMENSIONS L x W x H inches (mm):
  - 101" x 38" x 80" (2565mm x 965mm x 2032mm)
- WEIGHT pounds (kg):
  - 4350 - 4550 lb (1973 - 2064 kg)

**AVAILABLE ACCESSORIES (FACTORY INSTALLED)**
- BAUER Gas-Tek™ CO monitoring 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

**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>
</tr>
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<tbody>
<tr>
<td>5000 PSIG (345 BAR)</td>
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<tr>
<td>UNICUS 4I - 26 - E3</td>
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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. Tolerance +/- 5%

**OPTIONAL ACCESSORIES**

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<th>Description</th>
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<tbody>
<tr>
<td>0001</td>
<td>BAUER Gas-Tek™ electronic carbon monoxide monitor complete with calibration kit wired for alarm and shutdown, (calibration gas included)</td>
<td>GT/CO/18</td>
</tr>
<tr>
<td>0002</td>
<td>Each additional ASME 5000 PSIG cylinder with relief valve and mounting clamps</td>
<td>CYL-9/5K</td>
</tr>
<tr>
<td>0003</td>
<td>Each additional ASME 6000 PSIG cylinder with relief valve and mounting clamps</td>
<td>CYL-9/6K</td>
</tr>
<tr>
<td>0004</td>
<td>Panel mounted remote fill hose connection. Includes bulkhead fitting, adjustable regulator for up to 6000 PSIG service, gauge, isolation valve and quick connect/disconnect fitting (hose no included)</td>
<td>/RF/REG</td>
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<tr>
<td>0005</td>
<td>UN4 remote fill hose connection including adjustable regulator for up to 6000 PSIG service, gauge and isolation valve connected to a cabinet enclosed hose reel with 100 feet of hose rated for 6000 PSIG service</td>
<td>UN4/RF/REL-12</td>
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<td>DUAL-FILL, high/low, quick connect fill system (specify fill pressures)</td>
<td>DUAL-FILL/3 position</td>
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<td>0007</td>
<td>TRI-FILL, high/low/SCUBA, quick connect fill system (specify fill pressures)</td>
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<td>0008</td>
<td>Fire Edition paint scheme</td>
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<tr>
<td>0009</td>
<td>BAUER Gas-Tek™ electronic carbon monoxide monitor complete with calibration kit wired for alarm and shutdown, (calibration gas included)</td>
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<td>0010</td>
<td>Each additional ASME 5000 PSIG cylinder with relief valve and mounting clamps</td>
<td>CYL-9/5K</td>
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<td>0011</td>
<td>Each additional ASME 6000 PSIG cylinder with relief valve and mounting clamps</td>
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<td>Panel mounted remote fill hose connection. Includes bulkhead fitting, adjustable regulator for up to 6000 PSIG service, gauge, isolation valve and quick connect/disconnect fitting (hose no included)</td>
<td>/RF/REG</td>
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<tr>
<td>0013</td>
<td>Panel mounted remote fill hose connection including adjustable regulator for up to 6000 PSIG service, gauge and isolation valve connected to a cabinet enclosed hose reel with 100 feet of hose rated for 6000 PSIG service</td>
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<td>0017</td>
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<td>RFID Pro</td>
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<td>RFID DATA TAGS Each Kit includes 25-wush tags</td>
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<td>0019</td>
<td>Cloud Storage for RFIDPro® SCBA cylinder management system. Price based upon number of SCBA’s</td>
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OPEN DESIGNS

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)

BAUER breathing air purification system
BAUER PLC based controller with 7” color HMI touchscreen 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 integrated float sensor and automatic “Full” indication and compressor shutdown
Beltguard designed to meet OSHA guidelines
Soft start and fuse disconnect
Interstage pressure gauges (locally mounted)

AVAILABLE ACCESSORIES (FACTORY INSTALLED)

BAUER Gas-Tek™CO monitoring system
B-SECURUS - Electronic moisture monitoring for the purification system (K42V-E3 and K42-E3 only)
H₂S monitoring system with audible alarm

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate</th>
<th>Number of Stages</th>
<th>Motor</th>
<th>FAD²</th>
<th>RPM</th>
<th>Purification System</th>
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</table>

¹ Based on recharging an 80 cubic foot tank from 500 to 3000 psig
² Compressor data referenced to standard inlet conditions
³ SECURUS electronic moisture monitoring is non-standard
⁴ 4 and 5 stage horizontal models are available on request; K42V/H35V: VERTICAL; K42/H35: HORIZONTAL. Dimensions and weight are approximate and are subject to change.

STANDARD SCOPE OF SUPPLY

› BAUER breathing air purification system
› BAUER PLC based controller with 7” color HMI touchscreen 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 integrated float sensor and automatic “Full” indication and compressor shutdown
› Beltguard designed to meet OSHA guidelines
› Soft start and fuse disconnect
› Interstage pressure gauges (locally mounted)

SYSTEM FOOTPRINT

VERTICAL:

<table>
<thead>
<tr>
<th>Dimensions L X W X H inches (mm)</th>
<th>K42V/H35V: 95” x 44” x 61” (2413mm x 1117mm x 1549.4mm)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>K60: 92” x 44” x 61” (2337mm x 1117mm x 1549.4mm)</td>
</tr>
<tr>
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<td>K80/K145: 116” x 84” x 67” (2946.4mm x 2134mm x 1702mm)</td>
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</table>

WEIGHT (pounds (kg))

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<tr>
<th>Model</th>
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HORIZONTAL:

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<th>Dimensions L X W X H inches (mm)</th>
<th>K42/V: 95” x 44” x 61” (2413mm x 1117mm x 1549.4mm)</th>
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<tbody>
<tr>
<td></td>
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<th>Weight (pounds (kg))</th>
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<tr>
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<td>1200 - 5000 lb (544 - 2268 kg)</td>
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AVAILABLE ACCESSORIES

(FACTORY INSTALLED)

› BAUER Gas-Tek™CO monitoring system
› B-SECURUS - Electronic moisture monitoring for the purification system (K42V-E3 and K42-E3 only)
› H₂S monitoring system with audible alarm

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>
<th>Purification System</th>
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<td>kW</td>
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<td>5000 PSIG (345 BAR)</td>
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¹ Based on recharging an 80 cubic foot tank from 500 to 3000 psig
² Compressor data referenced to standard inlet conditions
³ SECURUS electronic moisture monitoring is non-standard
⁴ 4 and 5 stage horizontal models are available on request; K42V/H35V: VERTICAL; K42/H35: HORIZONTAL. Dimensions and weight are approximate and are subject to change.
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 230/460 VAC electric motor or gasoline drives.

- **PRESSURE:**
  Up to 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)

### 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

### OCEANUS MODELS (ADD TO ABOVE)
- Sturdy, long lasting low pressure oil pump
- Large oil sump allows shipboard inclination of 30°/20° G drive
- Capable of filling/maintaining up to a two cylinder 5000 PSIG UN storage system
- Corrosion-resistant coolers and stainless steel frame

### 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

### 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>
<th>Purification System</th>
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<tr>
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Note: JRI is designed for filling an individual SCUBA or SCBA. JRI 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, 208/230/460 VAC/60 Hz. GK=Gasoline engine drive, KOHLER. Y=Yachting package. Dimensions and weight are approximate and are subject to change.
3- AND 4-STAGE HIGH-PRESSURE BREATHING AIR COMPRESSORS

We reinvented our BAUER DIVE MATE® product family for 2023. Introducing the new DMT II package. A combination of a high-strength aluminum alloy tubular frame and a formed motor baseplate create a durable foundation for this lightweight, yet robust, package. We have increased the number of compressor offerings and motor drives to allow you to tailor the package to your specific requirements. We challenge you to find a more flexible package or greater variety of amenities: from 8.4 to 13.0 scfm charge rate, three (3) or four (4) stage BAUER compressor and BAUER purification. Electric motor, gasoline, or diesel engine drives allow you to select the mode of power best suited to your specific requirements. Furthermore, we even offer two (2) trim levels to allow you to select the appropriate package, to meet the buyer’s needs.

### Pressure
- Up to 6000 PSIG (414 BAR)

### Charging Rate
- 8.4 to 13 SCFM (170 to 368 L/MIN)

### Power
- 7.5 to 14 HP (5.6 to 10.4 kW)

#### DMT II

#### Technical Data

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<td>8.3</td>
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<td>6000 PSIG (414 BAR)</td>
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<tr>
<td>DMTII10-E1/E3</td>
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<td>368</td>
<td>4</td>
<td>14</td>
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</tr>
</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 three sizes 8, 10 & 13 SCFM charge rate
- Choice of prime mover/drive
- Electric motor, 1-phase or 3-phase
- Gasoline engine (pull start)
- Diesel engine (DMTII 08-DY & DMTII 10-DY, EPA Tier 4 Final, Pull start)
- Inlet filter
- Stainless steel intercoolers and aftercooler
- High temperature switch (except D drive)
- Vibration isolators
- P31 Purification for 5000 PSIG systems
- P41 Purification for 6000 PSIG systems
- Low oil pressure switch (electric drive)
- Motor starter with NEMA 4 enclosure (electric drive units)
- Hourmeter (electric and gasoline drive) or Vibration type (diesel drive)
- Final pressure switch (electric & gasoline drive)
- Visual CO/moisture indicator
- Lifting handles
- Tubular aluminum frame

#### DMT II Elite (Add to Above)
- Interstage gauges
- Automatic condensate drain
- Electric start and low oil pressure switch for gasoline drive units.

#### Available Accessories (Dealer/Customer Installed)
- Wheel kit

#### System Footprint
- DIMENSIONS L X W X H inches (mm)
  - 48” x 32” x 28” (1219mm x 819mm x 711mm)*
- WEIGHT pounds (kg)
  - 300 - 450 lb (136 - 204 kg)
* See Table

#### Available Accessories (Factory Installed)
- B-Timer (P31)

#### Dimensions and weight are approximate and are subject to change.

#### Tier 4 Compliant

#### DIVE

#### Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Charging Rate1</th>
<th>Number of Stages</th>
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<th>FAD2</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.
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 PSIG 110 cu. ft. SCBA cylinder at maximum operating pressure in accordance with the 2016 Edition of NFPA 1901 and or 1989. 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)
- Remote fill outlets

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
- CFS5.5® “M” versions designed for use with remote air distribution panel
- Mounting base is standard on “S” version and optional on “M” version
- Convenient door handle actuation
- Bottom venting
- Reduced footprint

SYSTEM FOOTPRINT

CFS5.5®-1S & OXY-1S:
- DIMENSIONS L X W X H inches (mm)
  - 18” x 21” x 55” (457mm x 533mm x 1397mm)
- WEIGHT pounds (kg)
  - 433 lb (196 kg)

CFS5.5®-1M & OXY-1M:
- DIMENSIONS L X W X H inches (mm)
  - 18” x 21” x 39” (457mm x 533mm x 990mm)
- WEIGHT pounds (kg)
  - 360 lb (163 kg)

CFS5.5®-2S & OXY-2S:
- DIMENSIONS L X W X H inches (mm)
  - 30” x 21” x 57” (762mm x 533mm x 1448mm)
- WEIGHT pounds (kg)
  - 670 lb (304 kg)

CFS5.5®-2M & OXY-2M:
- DIMENSIONS L X W X H inches (mm)
  - 30” x 21” x 39” (762mm x 533mm x 990mm)
- WEIGHT pounds (kg)
  - 550 lb (249 kg)

CFS5.5®-3S:
- DIMENSIONS L X W X H inches (mm)
  - 41” x 21” x 57” (1044mm x 533mm x 1448mm)
- WEIGHT pounds (kg)
  - 905 lb (411 kg)

CFS5.5®-3M:
- DIMENSIONS L X W X H inches (mm)
  - 41” x 21” x 39” (1044mm x 533mm x 990mm)
- WEIGHT pounds (kg)
  - 740 lb (336 kg)

*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

<table>
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<th>Model</th>
<th>Weight</th>
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<tr>
<td>ASME 935</td>
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</table>

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
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 FACTORS:**
  All components are manufactured for 7000 PSIG service

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

- **MANIFOLD INTEGRATION:**
  On any manufacturer’s cascade system

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

SAFETY AND ADDED VALUE

- BAUER COMPRESSOR
- AUTO CASCADE
- CONTAINMENT FILL STATION
- PLC OPERATOR INTERFACE
- BANK #1
- BANK #2
- BANK #3
- BANK #4
- BREATHING AIR STORAGE

HELLO, JOHN D.
MAY 23, 2079
12:12 PM
FILL FOR GUEST
MACHINE VITALS
FILL FOR GUEST
ADMIN
HELP
LIGHT
FILL CYLINDERS
OUTLET PRESSURE
LOG OUT
0000 PSIG
1000 PSIG
2500 PSIG
5500 PSIG
STOP
COMPRESSOR ON
BANK #1
BANK #2
BANK #3
BANK #4
The BAUER Charge Rate Controller (CRC™) has been designed to automatically fill SCBA and SCUBA cylinders to their maximum allowable pressure as well as allow the operator performing the fill to control the charge rate avoiding hot fills and maximize stored air in the cylinders.

**BENEFITS:**

- Reduce complexity - No more fidgeting with dials; the BAUER CRC™ automatically charges SCBA and SCUBA cylinders to the right pressure with the push of a button.
- Avoid "hot fills", maximize stored air - Filling SCBA or SCUBA cylinders too fast will decrease the stored air in the cylinder when the cylinder cools down after charging. The BAUER CRC™ avoids this by controlling the rate of charge.
- Allows for three different charge rate settings with the push of a button
- Can be adapted to existing BAUER compressor systems

**OPERATION:**

The BAUER CRC™ makes automatic filling of an SCBA or SCUBA cylinder easy with these three steps:

1. **Step 1:** From the main menu select the SCBA or SCUBA cylinder you wish to fill
2. **Step 2:** Select the desired charge rate from one of three options: Normal, Hot Fill or Custom
3. **Step 3:** Press "Start Fill"

**SYSTEM SPECIFICATIONS**

**DIMENSIONS**
- 7.5" x 21" x 26" (190.5mm x 533.4mm x 660.4mm)

**WEIGHT**
- 40 lbs (18 kg)

**MAXIMUM INLET PRESSURE**
- 6000 PSIG (414 BAR)

**MAXIMUM FILL PRESSURE**
- 5500 PSIG (379 BAR)

**FEATURES**

- PLC controlled with color HMI touchscreen
- Select from up to 10 customizable SCBA or SCUBA cylinder configurations, each with their own name designation and max fill pressure
- Select from up to three customizable charge rates
- Fill rate is accurately controlled with BAUER's proprietary technology
- Compatible with cascade storage and containment fill stations
- Field retrofit to existing BAUER compressor systems
- Easy installation: wall mountable; requires only two high pressure hose connections and plug-in 110V power

**BENEFITS:**

- Reduce complexity - No more fidgeting with dials; the BAUER CRC™ automatically charges SCBA and SCUBA cylinders to the right pressure with the push of a button.
- Avoid "hot fills", maximize stored air - Filling SCBA or SCUBA cylinders too fast will decrease the stored air in the cylinder when the cylinder cools down after charging. The BAUER CRC™ avoids this by controlling the rate of charge.
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3. **Step 3:** Press "Start Fill"
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. Recognizing that filtration systems are unfortunately one of the most often overlooked systems, BAUER always utilizes the highest quality components to protect the system operator. Every BAUER high-pressure breathing air purification system final separator, from the P41 to the P10, is manufactured from high-strength chromium steel alloy, which never requires hydrotesting! All BAUER 6,000 PSI purification chambers are manufactured from a high-strength aluminum alloy that satisfies the 4:1 structural safety factor requirements specified within NFPA-1901 and NFPA-1989 codes. Our purification systems can also be retrofitted for integration into most brands of high-pressure breathing air compressor systems manufactured today!
EFFECTIVE INACTIVATION OF CORONA VIRUSES, BACTERIA AND MOLDS

Free of chemicals and ozone, the B-VIRUS FREE® system uses a specially designed UVC light source to destroy the pathogens before the intake air section of the compressor. The highly effective wavelength in the B-VIRUS FREE® system is absorbed by the pathogens’ DNA, where the photons destroy the bonds between the DNA strands of the viruses, bacteria, and mold spores and effectively prevent them from reproducing.

LOW MAINTENANCE, LOW OPERATING COSTS

The B-VIRUS FREE® compressor intake air filter system has long maintenance intervals to keep operating costs down. The filter does not require replaceable filter cartridges. The UVC light source has an extremely long service life of approx. 2,000 hours and is simple to replace.

EASY INTEGRATION INTO YOUR BAUER COMPRESSOR SYSTEM

The B-VIRUS FREE® compressor air intake filter system can be ordered for any new model BAUER VERTECON®, VERTICUS®, BAUER LEGACY®, and UNICUS® 4S & 4i breathing air compressor systems. B-VIRUS FREE® will also be available as a retrofit kit for older BAUER breathing air compressor systems.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>B-VIRUS FREE®</th>
<th>Values</th>
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<tr>
<td>APPLICATION</td>
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<tr>
<td>Pressure Range</td>
<td>Atmospheric Intake Air</td>
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<tr>
<td>Compressor Charge Rate Range</td>
<td>3.5-30 scfm (100 - 850 l/min)</td>
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<tr>
<td>FUNCTIONS</td>
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<tr>
<td>Required Warm-Up Time</td>
<td>60 secs</td>
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<tr>
<td>Visual Indicators</td>
<td>Warm-up/Normal/Fault</td>
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<tr>
<td>Audible Signal</td>
<td>in case of fault</td>
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<tr>
<td>TECHNICAL DATA</td>
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<tr>
<td>Permissible operating temperature range</td>
<td>$41^\circ F (+5^\circ C)$ to $+105^\circ F (+40^\circ C)$</td>
</tr>
<tr>
<td>Operating voltage</td>
<td>110/220 volts, ac, single phase (60/50Hz)</td>
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<tr>
<td>UV lamp service life</td>
<td>2,000 hrs or every 2 years</td>
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<tr>
<td>Weight filter unit</td>
<td>approx. 17.5 lbs (7kg)</td>
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<tr>
<td>Weight control box</td>
<td>approx. 12.5 lbs (5.5kg)</td>
</tr>
<tr>
<td>Dimensions W x D x H</td>
<td>36x10x18 in (905x250x450 mm)</td>
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</table>

The B-VIRUS FREE® filter eliminates up to 99.9% of coronaviruses, bacteria and certain molds from intake air.
The BAUER RFIDPro™ SCBA Cylinder Management System is a subscription service which provides Fire Departments with a system designed to improve the safety of the SCBA cylinder filling process as well as provide compliance with all of the governmental reporting requirements such as NFPA-1989 and OSHA-1910.134 associated with the cylinder management process.

The system also serves as a powerful inventory management tool, helping fire departments identify the status and track the location of their entire SCBA cylinder inventory in real-time.

**SYSTEM BENEFITS**

- Assures fire department compliance with NFPA-1989 and OSHA-1910.134 associated with the SCBA cylinder fill documentation requirements
- Facilitates 100% data accuracy by automatically recording and uploading all SCBA fill data to the cloud thus eliminating errors through manual data entry
- Allows fire department administrators keep track and manage every aspect of their valuable SCBA cylinders in real-time including cylinder expirations, hydrotesting and repairs
- Increases fire department personnel safety and efficiency by guiding them through the proper fill process and eliminating the workload associated with manually logging SCBA fills and inspections
- Greatly reduces liability for fire departments associated with no or incomplete records, erroneous data or unsafe SCBA filling

**BAUER RFIDPro™ INFRASTRUCTURE**

- Internet
- WIFI or LTE
- BAUER RFIDPro™ Cloud
- Mobile Device
- Computer
- BAUER RFIDPro™ Handheld Device

**SCBA Cylinder**

**STANDARD FUNCTIONALITY**

**BAUER RFIDPro™ HANDHELD DEVICE**

- Allows new SCBA cylinder registration through the BAUER RFIDPro™ handheld device or directly through the BAUER RFIDPro™ customer portal
- Guides the cylinder fill operator through the entire SCBA cylinder fill process to assure that all required steps are followed in sequence and performed in a safe manner
- Alerts the cylinder fill operator if an SCBA cylinder is expired, past due on hydro testing or inactive due to failed inspection
- Sends push and e-mail notifications to responsible fire department personnel in advance of cylinder expiration or hydro past due date as well as when a cylinder fails inspections
- Automatically logs every aspect of the SCBA cylinder fill process and documents all required NFPA-1989 criteria including time and date stamp, operator ID, cylinder inspection process and recorded fill pressure
- Allows for “Guest Fill” logging of cylinders which are the property of another fire department

**BAUER RFIDPro™ CLOUD**

- Handheld device can read both bar code and RFID tags. BAUER provides an RFID tag retrofit kit for cylinders which do not have embedded RFID tags. There is no limit to the number of SCBA cylinders or decentralized locations
- Standard WIFI or optional LTE connectivity provides real-time communications with the BAUER RFIDPro™ Cloud
- Offline functionality allows recording of data when WIFI or LTE signal is not available

**BAUER RFIDPro™ PORTAL**

- Provides all required documentation and reports required by NFPA-1989 and OSHA-1910.134
- Easy-to-use customer portal provides full administrative functionality including complete SCBA inventory management and reporting
- Secure cloud-based data storage unique to each customer assures data integrity and compliance with data retention requirements. SSL data communication encryption between the RFIDPro™ server and client along with SHA-256 password encryption with optional two-factor password authentication provide the latest in state-of-the-art network security

**PREPARATION**

1. The BAUER RFIDPro™ handheld device performs all of the required functions in the field pertaining to the fill process

2. SCBA cylinder management is made easy through the user-friendly BAUER RFIDPro™ customer portal
BAUER CONNECT® REMOTE TELEMETRY AND CONTROL VIA MOBILE APP

For over 75 years, BAUER has been the leader in breathing air products for firefighters. So we understand that every wasted minute leads to injury, smoke exposure, or worse. That’s why we developed BAUER CONNECT® IoT Solutions for Firefighting — our all-in-one, mobile telemetry solution for optimal ease-of-use and efficiency. Now you can view your SCBA fill data logs, get notifications about your compressor, and remotely control and monitor your BAUER compressor. The best part is that BAUER CONNECT® can be tailored to fit your station’s needs.

BAUER CONNECT® — Connection that matters.

BAUER CONNECT® FLOW CHART

Security Features:
- Multiple logical & physical security layers
- Privilege and separation rights
- AI/ML threat assessment & analysis
- Transport layer encryption and encryption at rest
- Extensive logging and monitoring of network, system and application events

BAUER CONNECT® FUNCTIONS OVERVIEW

BAUER REPORTS

BAUER Reports is a function that generates custom reports tailored to the specific needs of the customer.

SCBA Management Report
- Generate a report per NFPA 1989 data logging requirements
- Show when your cylinders were last filled and by who etc.
- Fill Status Warning: Lists the SCBA the cylinder in inventory that have not been filled within the year
- Fill activity: Lists the SCBA cylinders serial number, Person filling, RFID serial, cylinder pressure and dates of fill
- Personnel: List or edit admin, users with privilege to log in to BAUER CONNECT®

BAUER REMOTE HMI

- Live connect and remotely control any BAUER compressor(s) in your station
- Secure log-ins - Only approved team members can access and control your compressor system
- Saves time and money with instant control no matter your location

BAUER PREDICTIVE ANALYTICS

The BAUER Predictive Analytics capability provides a new proactive dimension to perpetually maintaining customers’ compressor systems at peak conditions with minimum downtime. BAUER’s Predictive Analytics algorithm uses artificial intelligence to analyze the collected breathing air system information on the BAUER Cloud to predict upcoming maintenance requirements and preventive actions to avoid unplanned shutdowns.

MOBILE DASHBOARDS

- Quick reference of all of your BAUER compressors at your fingertips
- Does not require password validation every time app is used
- Total visual without the Remote HMI control capability (view-only option)
- Dashboards can be customized to specific customer needs

NOTIFICATIONS

- Fault on machine
- Out of Date or Expired SCBA or SCUBA Cylinders
- Text, email or push notification alarm(s)
- Allows for instant, proactive steps to be taken if needed

Available on

UNICUS 4i
RFIDPRO Reader
Internet
BAUER Cloud
Computer
Mobile Device

To sign up and register go to Signup: Bauer-Connect.com

Key Features
Compressor Features
BAUER Cloud™ RFID Features
### QUICK REFERENCE GUIDE

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<th>Model</th>
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<th>ACD</th>
<th>Gauges</th>
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**S** standard   **O** optional   — option not available
QUALITY AND RELIABILITY
Our factory-original replacement parts ensure that when maintenance or repair is performed, you are restoring the unit to its original specifications and performance.

COMPATIBILITY
We configure our designs with interchangeability and our end user in mind. You can count on parts being available for all BAUER models. PartsSales@BauerComp.com or 1-(844)-500-5822

TRAINING
BAUER COMPRESSORS INC. offers a variety of on site & off site Training Schools. Our on site classes are held at our BAUER Training Facility and are taught by the same people that help manufacture, test and service our products. From electrical systems to hands-on break downs, we cover all areas of compressor operation.

TRAINING TOPICS
Basic mechanical theory, control system theory (electric and pneumatic) along with troubleshooting for all BAUER systems.

Class schedule and course registration at: www.BauerCustomerTraining.com

GLOBAL SERVICE
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.

SERVICE AND SUPPORT
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.

BAUER HELPDESK
Total customer satisfaction is our top priority. BAUER provides 24-7 phone tech and troubleshooting support at our BAUER Helpdesk. Our support continues throughout our warranty period and beyond.

For BAUER Helpdesk please email: CustomerService@BauerComp.com or call at: +1 (844)-500-5822