Safe Air Systems, Inc. is currently a Master Distributor for Bauer Compressors for the States of North Carolina, South Carolina, Virginia, Maryland, Delaware and the District of Columbia. Bauer Compressors has been manufacturing high pressure compressors and fill stations for over 50 years. We have been selling Bauer products since 1992. We have been one of their top two distributors for the past 9 years.

We have absolutely the best service department in the industry. We offer World Wide service for any make or model of breathing air compressor. Every technician is factory trained and equipped to handle any of your air compressor needs.

Our parts department carries a large variety of parts for every breathing air system. In addition to Bauer (OEM) parts, we have lubricants for your compressor, filter cartridges for your purification system and air sampling kits that meet NFPA 1989 and CGA standards. We are also a distributor for manufacturers such as Pelican, Hannay Reels, Kussmaul Electronics, GFG Instrumentation and Class One gauges.

Our in-house fabrication shop allows us to renovate truck compartments and other custom work that you may desire. We also design custom trailers for mobile air applications.

Safe Air Systems would like to thank our loyal customers for their patronage over the years. We would also like to invite new customers to contact us so we can provide you with the best product and service available in the industry.
I began Safe Air Systems, Inc. in 1992 while employed in the fire service. It began with one man (part time), one truck and one goal: quality customer service. Today, quality customer service is still our vision. As we have grown, we have always strived to provide our customers with that same customer service as in the beginning. The main focus of our business has been working with the fire service to ensure the safety of our firefighter brothers. We want you to learn about your breathing air equipment and we want to be the company to teach you.

Over the years, our scope of business has expanded to include compressor and part sales, air quality testing, hydrostatic testing and extinguisher service in addition to the equipment maintenance and repair service we began with.

Our employees are the cornerstone of the business. We have consistently hired employees who are specialists in their field. The expertise each individual has brought to Safe Air Systems allows us to offer the highest quality customer service. Every employee has something to offer to help you understand your equipment and bring solutions for your needs.

All of our service technicians have been, and continue to be affiliated with the fire service. They exhibit a professional attitude and camaraderie with all of our customers while exemplifying the most knowledge in the industry. They are all factory certified and are ready to help find your solution or offer the best advice available for the long life of your equipment.

Our website and catalog offer a wealth of knowledge and product to make sure you have the best solution for your needs. Don’t settle for less than the very best breathing air you can have. Your safety and your life are our concern. It’s the air you breathe.

Sincerely,

Joe Smith
Service Department

Service & Response is the focus of Safe Air Systems. We take great pride and commitment to bring you the best possible solutions for your air compressor needs.

With our main office located in Randleman, NC and satellite offices throughout the United States, we specialize in responding to your needs in most cases within 24 hours.

Our coverage area includes the Continental United States, Alaska, Mexico, Hawaii, Virgin Islands and San Juan PR.

The recommended Semi-Annual service of your breathing air system assures your system well exceeds NFPA Standards. Our professional efforts will ensure air quality and reliability when your life depends on it. We also offer Quarterly, Annual and Monthly service.

You may contact us by email or phone for your specific service quote. You will need the make, model & year of your compressor to request a quote. Please contact us at 1.800.424.8633 or by email to servicedep@safeairsystems.com.

Our dedicated technicians are highly skilled, knowledgeable and diverse with various makes and models to include but not limited to BAUER, INGERSOLL-RAND, AMERICAN BRISTOL, HAMWORTHY, MAX-AIR, SCOTT, POSEIDON, MAKO & EAGLE.

So take out the worries, liabilities and costly expense due to lack of proper maintenance and let the professionals do it. Breathing pure clean air is your life. It is our goal.

Preventative Maintenance, Repair, 24 Hour Emergency Service. Safe Air Systems, Inc. has a technician on call 24 hours a day 7 days a week for your emergency repairs.

SERVICE PROCEDURES
- Lock & Tag Out Unit
- Check Unit for Visual Damage & Cleanliness (coolers must be clean)
- Drain & Replace Compressor Oil & Oil Filter
- Replace Air Intake Filter
- Drain & Replace Purifier Cartridges, O-Rings
- Rebuild Check Valves on Purifier & Compressor
- Rebuild Priority Valve
- Replace Drain Pistons if Unit Requires
- Replace Tip Seals on Fill Adapters
- Rebuild SCBA Fill Valve
- Check Compressor Belts for Wear & Proper Tensions
- Remove Locks & Tags
- Start Compressor and Test Run
- Check for Air & Oil Leaks
- Check Compressor Intestage & Oil Pressure
- Run Compressor to Final Pressure & Adjust if Needed
- Check Auto Start/Stop & Auto Drain Operation
- Top off Air Storage
- Advise Customer of any Potential Problems

ENGINE POWERED COMPRESSORS
- Change Oil & Oil Filter
- Change Intake Filter
- Change Fuel Filter

We take great pride and commitment to bring you the best possible solutions for your Air Compressor needs.

For more information about our Service Department, please visit our website.

www.safeairsystems.com • toll free 1.800.424.8633

Visit our online store at www.safeairsystems.com
**Product Line**

**COMPRESSORS**
- BAUER COMPRESSOR INC.
  - Master Distributor (Compressors, Fill Stations, OEM Parts)

**COMPRESSORS PARTS/ACCESSORIES**
- Bauer OEM Genuine Parts
- Ingersoll Rand High Pressure Breathing Air Compressor Parts
- Mako Compressor Parts
- Eagle Compressor Parts
- Bristol Compressor Parts
- Hamworthy Compressor Parts
- Scott Compressor Parts
- Davey High Pressure Breathing Air Compressor Parts

**PURIFICATION**
- Stainless Steel Purifiers (Breathing Air/Dryers)
- Bauer OEM Cartridges
- Lawrence Factor Cartridges
- Multiple Brand Purification Cartridges

**STORAGE VESSELS**
- Taylor Wharton Cylinders (DOT Storage Vessels)
- Norris Cylinders (ASME Storage Vessels)
- Kunkle ASME Relief Valves
- SCI (Structural Composites Industries) SCBA/Storage

**MISCELLANEOUS PRODUCTS**
- Akron Brass Co.
- Allied Titan (Mufflers)
- Aqua Environment
- ASCO Valves

**MISCELLANEOUS PRODUCTS (Cont’d)**
- Baldor Motors
- Barksdale (Switches)
- Buckeye Extinguishers
- Burkert Valves
- Class One Gauges
- DirectLogic (PLC Hardware)
- Dwyer Instruments
- Eaton Aeroquip Quick Disconnects
- Fire Research Corp. (FRC)
- GFG Instrumentation
- Generac Generators
- Granpow
- Hannay Reels
- Honda Diesel Engine Parts
- Honda Generators
- Kussmaul Electronics
- Lister Petter Diesel Engine Parts
- Marathon Motors
- Mitsubishi Diesel Engine Parts
- Night Scan Scene Lighting
- ONAN Generators
- Parker Hose, Fittings, Quick Disconnects, Valves
- Parker Seals
- Pelican Cases/Products
- Sherwood Valves/Parts
- SlideMaster
- Super Can Industries (SCI)
- Thermadyne
- Thuemling Instrument Group
- True North Gear
- Wika Gauges
- Wil-Burt
- Yanmar Diesel Engine Parts
- Zander Products

Visit our online store at www.safeairsystems.com
Parts - Gauges

**Span Style - Class One**
- Shown: 75-2014CZ, 0-7500 PSI, Color Zone
- Also Available: 75-2014, 0-7500 PSI

**Bauer Style**
- Shown: GAG-0070W, 0-7500 PSI, 2.5" BTMSTM
- Also Available: GAG-0001W, 0-5000 PSI, 2.5" BTMSTM

**WiKa Style**
- Shown: 38752, 0-5000 PSI, 3-Hole Mnt, 2.5"
- Also Available: 38742, 0-200 PSI, 3-Hole Flange LF
  - Shown: GB1000, Gauge Boot (RTS WiKa Gauges)
- Also Available: 38745, 0-600 PSI, 3-Hole Flange LF
  - 38748, 0-1500 PSI, 3-Hole Flange LF
  - 38654, 0-7500 PSI, 3-Hole Flange LF

**Parts - Valves**

- Shown: 38555, 0-7500 PSI, 2.5" BTMSTM
  - Shown: 38712, 0-200 PSI, 2.5" CBM U-Clamp
    - Also Available: 38713, 0-300 PSI, 2.5" CBM U-Clamp
    - 38715, 0-600 PSI, 2.5" CBM U-Clamp
    - 38718, 0-1500 PSI, 2.5" CBM U-Clamp
    - 38722, 0-5000 PSI, 2.5" CBM U-Clamp
    - 38723, 0-7500 PSI, 2.5" CBM U-Clamp

- Shown: GB1000, Gauge Boot (RTS WiKa Gauges)
### Parts - Valves (CONTINUED)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>504H</td>
<td>Relief Valve Adjustable 200-6000 PSI 1/4” (Non-ASME)</td>
</tr>
<tr>
<td>3305-A01-KC6500</td>
<td>Relief Valve 6500 PSI 1/4”</td>
</tr>
<tr>
<td>Also Available:</td>
<td>• 330-A01-KC3500 Relief Valve 5500 PSI 1/4” (ASME Certified)</td>
</tr>
<tr>
<td>0030-A01-KM1100</td>
<td>Relief Valve 1100 PSI</td>
</tr>
<tr>
<td>Also Available:</td>
<td>• 0030-A01-KM1400 Relief Valve 1400 PSI (ASME Approved)</td>
</tr>
<tr>
<td>059410</td>
<td>Safety Valve</td>
</tr>
<tr>
<td>065410</td>
<td>Safety Valve (Must Specify PSI)</td>
</tr>
<tr>
<td>V502P-4-21</td>
<td>Panel Mount 1/4” FP Ball Valve Low Pressure, 350 PSI, Brass</td>
</tr>
<tr>
<td>4F-6B1J-BP</td>
<td>Ball 1/4” FP Panel Mnt., 3000 PSI, Brass</td>
</tr>
<tr>
<td>4F-B61J2-2SSP</td>
<td>1/4” Turn Ball Valve 1/4” FP, Panel Mnt. 6000 PSI, SS</td>
</tr>
<tr>
<td>Also Available:</td>
<td>• 2F-BZ11J2-2SSP 1/4” Turn Ball Valve 1/8” FP, Panel Mnt. 6000 PSI, SS</td>
</tr>
<tr>
<td>32-0001</td>
<td>Asco Sol. 120 VAC Valve</td>
</tr>
<tr>
<td>Also Available:</td>
<td>• 32-0006 Asco Sol. 12 VDC Valve</td>
</tr>
<tr>
<td>• 32-0012 Asco Sol. 24 VDC Valve</td>
<td></td>
</tr>
<tr>
<td>32-0008</td>
<td>Asco Valve 12V Rebuild Kit</td>
</tr>
<tr>
<td>Also Available:</td>
<td>• 32-2112K Asco Valve SVLV 110 Rebuild Kit</td>
</tr>
<tr>
<td>MJV-4</td>
<td>Interlock Valve</td>
</tr>
<tr>
<td>Also Available:</td>
<td>• MJV-3 Interlock Valve</td>
</tr>
<tr>
<td>ACT-0003</td>
<td>Actuator, Air Pilot</td>
</tr>
<tr>
<td>ACT-0002</td>
<td>Actuator W/ Toggle</td>
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<tr>
<td>CYL-0059</td>
<td>Damper</td>
</tr>
<tr>
<td>SD8212J</td>
<td>Cylinder</td>
</tr>
<tr>
<td>CYL-0033</td>
<td>Cylinder</td>
</tr>
<tr>
<td>M10</td>
<td>Auto Drain Muffler 1”</td>
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<tr>
<td>Also Available:</td>
<td>• 1110 Element, Auto Drain 1”</td>
</tr>
<tr>
<td>• 1105 Element, Auto Drain 1/2”</td>
<td></td>
</tr>
<tr>
<td>• 1107 Element, Auto Drain 3/4”</td>
<td></td>
</tr>
<tr>
<td>• 1115 Element, Auto Drain 1-1/2”</td>
<td></td>
</tr>
<tr>
<td>3942K</td>
<td>Drain Piston W/ O-Ring (Small)</td>
</tr>
<tr>
<td>1286K</td>
<td>Drain Piston W/ O-Ring (Large)</td>
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### Parts - Drain Systems & Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>67-DRAIN</td>
<td>Auto Drain Condensate Reservoir (5 Gallon)</td>
</tr>
<tr>
<td>Also Available for Mobile Units</td>
<td></td>
</tr>
<tr>
<td>CONDENSATION BOXES TO HELP KEEP YOUR COMPRESSOR AREA CLEAN. YOU NEED TO TREAT THE WASTE AS IF IT WAS OIL AND DISPOSE OF IT PROPERLY.</td>
<td></td>
</tr>
<tr>
<td>32-0007</td>
<td>For Drain 150M Filter</td>
</tr>
<tr>
<td>20-0007</td>
<td>Drain Block (Low Pressure End)</td>
</tr>
<tr>
<td>105-HP</td>
<td>Drain Block (High Pressure End)</td>
</tr>
<tr>
<td>32-2112K</td>
<td>Asco Valve SVLV 110 Rebuild Kit</td>
</tr>
<tr>
<td>N16381</td>
<td>Solenoid Valve 110V</td>
</tr>
<tr>
<td>Also Available:</td>
<td>• N16382 Solenoid Valve 12V</td>
</tr>
<tr>
<td>N16382</td>
<td>Solenoid Valve 110V</td>
</tr>
<tr>
<td>Also Available:</td>
<td>• N16381 Solenoid Valve 12V</td>
</tr>
<tr>
<td>0030-A01-KM1400</td>
<td>Relief Valve 1400 PSI (ASME Approved)</td>
</tr>
</tbody>
</table>

Visit our online store at [www.safeairsystems.com](http://www.safeairsystems.com)
Parts - Regulators - Low Pressure

- **0969** Reducing Regulator 6K / Set @ 250 PSI
- **70-001F** Regulator Set @ 150 PSI
- **70-LP-REG** Low Pressure Tool Regulator, W / O Supply Gauge Adj. 5500 PSI MAX Inlet, 0-225 PSI Outlet
- **70-LP-REG-W5G** Low Pressure Tool Regulator, W / Supply Gauge Adj. 5500 PSI MAX Inlet, 0-225 PSI Outlet
- **8468** Tee Handle Regulator Adj. 5500 PSI MAX Inlet, 0-225 PSI Outlet
- **8469** Regulator Adj. 5500 PSI MAX Inlet, 0-225 PSI Outlet
- **378+K** Stem and Knob Assy. for 415 Regulator
- **0657** Mounting Ring for 415 Regulator
- **378-2 Stem Only** (For 415 Reg. Knob)
- **839-6000** Repair Kit for 415 Regulator A/E 0-6000 PSI
- **979-150** Repair Kit for 873-150

**Other Pressure Ranges Available:**
- 100-300 PSI
- 40-120 PSI
- 20-50 PSI
- 10-100 PSI

Visit our online store at www.safeairsystems.com

Parts - Regulators - High Pressure

- **839-6000** Repair Kit for 415 Regulator A/E 0-6000 PSI
- **979-1500** Repair Kit for 873, 1500 PSI
- **979-400 Repair Kit for 873, 400 PSI

**Other Pressure Ranges Available:**
- 415-1500, 0-1500 PSI Regulator
- 415-400, 0-400 PSI Regulator

Boil & Cut, 20-50 PSI

www.safeairsystems.com • toll free 1.800.424.8633
Parts - Electrical

- SWT-0119 Oil Pressure Shutdown Switch
  - Also Available:
    - SWT-160 Air Pressure Switch Bauer 3650-7500 PSI
    - SWT-184 Oil Pressure Switch 22.5-125 PSI
    - SWT-184G Oil Pressure Switch Gold 22.5-125 PSI

- SWT-0257 Air Pressure Switch
  - Also Available:
    - SWT-0256 Oil Pressure Switch 25-125 PSI, DIN

- 0853 Air Pressure Switch Adjustable, 6000 PSI MAX

- F1-130DR-OP (DL105) 12V Programmable Logic Controller
  - Also Available:
    - F1-130DR-P (DL105) 110V Programmable Logic Controller

- D0-06DR-DP 12V 20DC Programmable Logic Controller IN/15
  - Also Available:
    - D0-06DR-P 110V 20DC Programmable Logic Controller IN/15

- CNT-0015 Control Board 12V
  - Also Available:
    - CN-T0014 Control Board 120V

- TMR-0008 Auto Drain Timer 120 VAC
  - Also Available:
    - TM-R-0010 Auto Drain Timer 12V DC

- C11A0115M12060 Cycle Timer 120V AC
  - Also Available:
    - C11A0115M12060 Cycle Timer 120V DC

- B206CR6-120V/8 Red T2 LED Bulb 120V
  - Also Available:
    - B206CR6-14V/30 Red T2 LED Bulb 14VDC
    - B206CR6-24V/20 Red T2 LED Bulb 24VDC

- M716A Limit Switch

- HMR-0001 120V AC Hourmeter
  - Also Available:
    - HMR-0002 12V DC Hourmeter

- LIT-0040 Red Warning Light

Visit our online store at www.safeairsystems.com
**Parts - Fittings & Adapters** *(OTHER STYLES, SIZES & TYPES AVAILABLE)*

### PIPE FITTINGS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP04</td>
<td>1/4” Socket Head Plug</td>
</tr>
<tr>
<td>FF04</td>
<td>1/4” MP Pipe Nipple</td>
</tr>
<tr>
<td>CD04</td>
<td>1/4” FP X 1/4” MP Pipe Elbow</td>
</tr>
<tr>
<td>CD4504</td>
<td>1/4”/FP X 1/4”/MP 45° Pipe Elbow</td>
</tr>
<tr>
<td>DDO4</td>
<td>1/4”/FP X 1/4”/FP Pipe Elbow</td>
</tr>
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</table>

### FILL ADAPTERS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR04</td>
<td>1/4” MP x 1/4” MP Pipe Elbow</td>
</tr>
<tr>
<td>MMO04</td>
<td>1/4” Female Pipe Tee</td>
</tr>
<tr>
<td>MMS04</td>
<td>1/4” Male Branch Tee</td>
</tr>
<tr>
<td>MMKMO04</td>
<td>1/4” Pipe Cross</td>
</tr>
</tbody>
</table>

### CGA FITTINGS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>91-0835-SS</td>
<td>Nut/Nipple 346/347</td>
</tr>
<tr>
<td>91-346-MF</td>
<td>CGA Adapter 346M X 1/4” FP</td>
</tr>
<tr>
<td>91-347-1SS</td>
<td>CGA Adapter 347 3/8” Adapter S3</td>
</tr>
<tr>
<td>91-347-ADP</td>
<td>CGA 347 Male/Male Union</td>
</tr>
<tr>
<td>91-614T</td>
<td>Nylon 346 Tip Seal</td>
</tr>
</tbody>
</table>

**Parts - Oil & Lube** *(OTHER STYLES, SIZES & TYPES AVAILABLE)*

### Parts - Oil & Lube

**Items Available:**
- Oil-0024 Synthetic Oil
- 65-500 Synthetic Oil
- 65-1230 Petroleum Based Oil Delvac 1230
- Oil-0021G Bauer Oil for CNG
- Oil-0019G Bauer Oil

**Visit our online store at** [www.safeairsystems.com](http://www.safeairsystems.com)
*If your Aluminum Mechanical Separator is over 10 years old, it is susceptible to load cracking and is in danger of volatile rupture.

www.safeairsystems.com • toll free 1.800.424.8633
Parts - Purification Cartridges

WE OFFER CARTRIDGES FOR ALL MAKES AND MODELS OF PURIFICATION SYSTEMS. PLEASE CALL US WITH SPECIFIC INFORMATION. INCLUDING BUT NOT LIMITED TO:

Air-Dry Corporation
Alkin
Allied Air Products, Inc.
Bauer Compressors (OEM)
Bristol Pneumatics
Deltech Engineering
Eagle Air Systems
Fluid Concepts
Hamworthy
Ingersoll Rand
Jordair
Lawrence Factor (OEM)
Mako
Poseidon
Robbins Aviation
Scott

Service & Response is the focus of Safe Air Systems. We take great pride and commitment to bring you the best possible solutions for your air compressor needs. With our main office located in Randleman, NC and satellite offices throughout the United States, we specialize in responding to your needs in most cases within 24 hours.

The recommended Semi-Annual service of your breathing air system guarantees your system will meet NFPA Standards. Our professional efforts will ensure air quality and reliability when your life depends on it. We also offer Quarterly, Annual and Monthly service.

Safe Air Systems, Inc. provides air quality testing that is simple to administer with results returning within a week. All components of the test are shipped to you via UPS and return labels are supplied with each kit to facilitate easy return to the lab. If at anytime, your sample does not pass, we will ship you a retest kit immediately at no extra charge and have one of our service technicians call to troubleshoot the cause of the failed test.

Safe Air Systems offers a variety of programs. Monthly, Quarterly, Semi-Annual and Single air test programs can be purchased. All grades of air testing are available including military specs.

We offer cartridges for all makes and models of purification systems. Please call us with specific information. Including but not limited to:

Visit our online store at www.safeairsystems.com
Cascade Systems

Cascade Systems with or without racks for your Breathing Air Storage using DOT or ASME Cylinders. Available in 4500 PSI, 5000 PSI and 6000 PSI.

Horizontal & Vertical Racks

DOT Rack System
- Horizontal or vertical configurations available
- Cascade or bulk systems
- Available in single and multiple quantities

*DOT cylinders require Hydro Testing every 5 years.

ASME Rack System
- Horizontal or vertical configurations available
- Cascade or bulk systems
- Available in single and multiple quantities

*ASME cylinders do not require Hydro Testing.

CALL US TO HELP SELECT THE CORRECT SIZE OF CASCADE SYSTEM FOR YOUR NEEDS.

www.safeairsystems.com  •  toll free 1.800.424.8633
Cylinders

**DOT CYLINDERS (HC Series Lightweight)**

90-HC-4500
- Capacity: 444 SCF
- Weight: 150 lbs.
- Height: 55" high
- OD: 9-5/16"

90-HC-5000
- Capacity: 486 SCF
- Weight: 150 lbs.
- Height: 55" high
- OD: 9-3/8"

90-HC-6000
- Capacity: 509 SCF
- Weight: 200 lbs.
- Height: 55" high
- OD: 9-3/8"

**ASME CYLINDERS**

90-7000-N
- ASME Code Section VIII, Div. 1
- CGA 702 DOT Valve 6000 PSI
- CGA 347 DOT Valve 4500 PSI

**GT-11**
- Valve Protector
- Thread Size: 3 1/8"-11
- Fits 90-HC-4500

**AC-12**
- Valve Protector
- Thread Size: 3 1/2"-11
- Fits 90-HC-6000 & 90-HC-5000

**94-3996 GALV**
- Uni-Strut Mounting Rail
- 13/16" (Per foot)

**95-C105-93/8**
- Clamp Set

**THINGS TO KNOW, BEFORE REFILLING A CYLINDER**

1. **CYLINDER SPECIFICATION CONSISTING OF THREE SECTIONS:**
   
   (a) **DOT - Department of Transportation** (formerly ICC - Interstate Commerce Commission) Regulatory body which governs use of cylinders.
   
   (b) **3AA - Specification of type and material of cylinder construction.**
   
   (c) **4500 - Fill pressure in pounds per square inch.**

2. **12345 - CYLINDER SERIAL NUMBER** (See Note A)

3. **GAS INC. - IDENTIFYING SYMBOL** (See Note A)

4. **MANUFACTURING DATA:** LAST HYDRO TEST
   
   (a) **4 - 70** Date of manufacture and original test date.
   
   (b) **XX** Inspector's official mark.
   
   (c) **+** Cylinder qualifies for 110% filling.
   
5. **YY** Manufacturer's identifying symbol.

6. **RETESTING MARKINGS:**
   
   (a) **4 - 75** Date of first 5 year hydrostatic retest.
   
   (b) **ABC** Retester identifying symbol.
   
   (c) **+** Cylinder requalifies for 110% filling.
   
   (d) ***** Cylinder qualifies for 10 year retesting interval.

7. **NECK RING OWNER'S IDENTIFICATION:**

**NOTES:**

A. Serial number and identifying symbol may be that of purchaser, user or manufacturer.
Paintball Adapters

We have Fill Adapters to refill your Paintball Cylinders. We also offer Hydro Testing Facility for your Air Cylinders. For all your Paintball needs visit http://www.pballcentral.com

Bauer Compressor - Paintballers Choice

5000 PSI OPEN HORIZONTAL

THE HORIZONTAL packages come in both Gasoline and Diesel engines. SCFM ranges from 5.0 to 60.0. Engine HP ranges from 5 HP to 60 HP.

Three Stage – 5000 PSI units are 6.0 SCFM to 8.4 SCFM, Engine’s are 5 HP to 7 HP.

STANDARD FEATURES THREE STAGE

- High Temperature Shutdown Switch (Gas drive)
- Air Cooled Diesel
- PLC Control and Centrifugal Clutch (When you opt for electric start package)

Contact our Sales Department for more information on the Paintball or Diver Compressors.

Visit our online store at www.safeairsystems.com
NFPA 1989 7.2 COMPRESSORS
7.2.1: OIL-LUBRICATED COMPRESSORS SHALL BE EQUIPPED WITH A TAMPERPROOF CARBON MONOXIDE (CO) MONITOR WITH AUDIBLE AND VISUAL ALARMS THAT SHALL SHUT DOWN THE COMPRESSOR WHEN THE CO LEVEL EXCEEDS 5.0 PPM AND SHALL HAVE A RESOLUTION OF AT LEAST 1 PPM.

Carbon Monoxide Monitors
- 26-SASCO-12V
- 26-SASCO-120V

Multi-Gas Detectors
GfG’s G450 is a compact and lightweight 4-gas detector that continuously measures CO, H2S, O2 and combustibles in ambient air.

GfG has recently introduced the G460, the world’s most advanced portable atmospheric monitor. The G460 offers up to 6-gas capabilities, including PID for the detection of VOC’s and infrared for the detection of CO2.

Visit our online store at www.safeairsystems.com
SCI Composites, Inc.

SCI Composites - Save 30% to 60% off SCBA manufacturer cylinder prices. Our cylinders meet or exceed all Regulatory Technical Standards. We offer new and refurbished valves as well as rebuild your existing valves.

DURA-LITE 15 COMPOSITE CYLINDERS
- Significantly improved exterior abrasion resistance
- Uniquely formulated, highly durable exterior coating
- Effective agent against premature cylinder attrition
- Cost effective enhancement to standard cylinders
- 60% off SCBA manufacturer cylinder prices
- Available in 30, 45 & 60 minute durations
- Available in 2216 & 4500 PSI models
- 15 year service life with 5-year hydrostatic testing

STANDARD COMPOSITE CYLINDERS
- Available in 10, 15, 30, 45 & 60 minute durations
- Available in 2216, 3000 & 4500 PSI models
- 15-year service life with 5-year hydrostatic testing
- Improved abrasion resistance as compared to other cylinder manufacturers
- Increased fiberglass wrapping improves durability
- Logos/labels can be added at time of manufacturing (Safe Air can have your labels made if not available)
- Special paint colors available (Contact us to see what colors are available)
- Luminescent green bands and numerical sequencing is available

CUSTOM COMPOSITE CYLINDERS
- Improves ease of identification
- Prevents loss due to theft or accidental misplacement
- Pride of ownership
- Customer supplied Fire Dept.

30 YEAR LIFE SCBA CYLINDERS
- Longer life - 30 year
- Reduced premature cylinder attrition
- Improved abrasion resistance
- Uniquely formulated highly durable exterior coating
- Custom Labeling options available
- Available in 45 min*/4500 PSI
- DOT approved
- 5 year hydrostatic testing
- Reduced environmental impact
- Available for all SCBA’s

30 YEAR LIFE SCBA CYLINDERS
- Longer life - 30 year
- Reduced premature cylinder attrition
- Improved abrasion resistance
- Uniquely formulated highly durable exterior coating
- Custom Labeling options available
- Available in 45 min*/4500 PSI
- DOT approved
- 5 year hydrostatic testing
- Reduced environmental impact
- Available for all SCBA’s

CUSTOM COMPOSITE CYLINDERS
- Improves ease of identification
- Prevents loss due to theft or accidental misplacement
- Pride of ownership
- Customer supplied Fire Dept.

REPLACEMENT VALVES
NEW/REFURBISHED

SUITCASES (MORE MODELS TO CHOOSE FROM)
- Cases with watertight protection
- All Pelican Products are protected with a lifetime warranty against breakage or defects.
- Available in sizes from Micro Cases to Large Cases
- Available in sizes from Micro Cases to Big Cases
- All cases can be accessorized
- Choice of color
- Foam inside the cases can be configured per your specifications
- Your logo or department name can be added to any case on the outside
- Professional lighting Instruments

LIGHTS (MORE MODELS TO CHOOSE FROM)

Visit our online store at www.safeairsystems.com

www.safeairsystems.com • toll free 1.800.424.8633
Cut response time and increase safety with Hannay’s complete line of firefighting products:

- **SPRING REWIND HOSE REELS**
- **ELECTRIC REWIND HOSE REELS**
- **GROUNDING REELS**
- **RESCUE REELS FOR:**
  - HYDRAULIC TOOLS, ELECTRIC CABLES, BREATHING AIR & UTILITY AIR

Whether building a new truck or upgrading an existing one, we can provide you with the best Reel in the business.

Hose Ends: JIC, Pipe, Pipe Swivel, ORB. (Various sizes and configurations)

All assemblies pre-assembled. Custom hose assemblies made to order.

Hose sold separately. Specify your custom length.
Sierra Booster

SIERRA BOOSTER
The compact and efficient 3D/Sierra Precision air/gas booster boosts the lower level pressure source to higher levels for rapid filling of the destination device. Call us for more info.

Haskel Gas Booster

Haskel Gas Booster
Single Stage, Double Acting and Two Stage Gas Booster units available.

Also Available:
Oxygen Boosters

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The SCI-Super Can Industries - AIR SOURCE® line of carts are available for respirator supply, pneumatic tool supply, and combination respirator and tool supply. The carts feature lightweight aluminum frames, heavy duty cast aluminum telescoping handles, and either our electronic low pressure warning system with LED’s or mechanical warning whistles. Some feature detachable main frames for a lower profile, as well as an eyebolt for hoisting or lowering.

- HEADSUP LITE
- RIT BAG
- CONFINED SPACE SUITCASE
- LOW PRESSURE HOSE

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The SlideMaster system has load capacities from 250 to 2,500 LBS and extends 70%, 100% or 120% allowing complete access to compartment contents. Available in Steel or Aluminum. Custom built to fit your needs.

- SINGLE & DUAL DIRECTION SLIDE
- TOOL BOARD SLIDE & TIP DOWN SLIDE
- STEP PLATFORM

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Custom Equipment & Storage Racks

A wide variety of custom fabrication as the pictures show, compartment modification, tanks, cascade trailers and mobile carts and many other designs. If you have a need for custom work please contact us and let our team help you design it.

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Bauer Compressors developed the first breathing air system nearly 60 years ago in working with Jacque Cousteau, even before breathing apparatus was used for fire service. As a result of their ingenuity and leading experience, Bauer has become the leader today for the most reliable, longest lasting SCBA refill compressor on the market. For decades, Bauer has consistently delivered dependable systems to more breathing air customers in the world and to neighboring fire departments! No other manufacturer can make that claim! None!

Beware the market is filled with “copy cats” and it may be difficult for you to spot the Original at first glance. But, look closer and you’ll find that no other company has the history, reputation and untried performance. Rest assured, only Bauer has the “markings” to make it the Original.

We have been selling Bauer products since 1992. We are currently a Master Distributor for the states of North Carolina, South Carolina, Virginia, Maryland, Delaware and the District of Columbia.

Don’t settle for a cheap imitation. Insist on the Original. Insist on Bauer.

Available exclusively from Safe Air Systems, Inc.
Compressors - Mini Unicus Refilling Station
5000/6000 PSI

MINI UNICUS is a combination of Compressor, Purification, Storage, Air Control Panel and Fill Station all in one package. Capacity ranges from 5.0 to 13.0 SCFM charging rate.

STANDARD FEATURES 5000/6000 PSI
- Hinged Cascade Fill Control Panel with Air Flow / Fill Schematic
- Emergency Stop Push Button
- Priority Refill System W/ Storage Bypass Valve
- NEMA 4 Electrical Enclosure with UL® listed Control Panel
- NEMA 4 Electrical Enclosure with Automatic “Full” Indication and Compressor Shutdown
- Condensate Reservoir with Automatic “Full” Indication and Compressor Shutdown
- Two (2) DOT Code Stamped Air Cylinders Installed in an Integral Rack designed to hold four cylinders
- Sound Attenuating Enclosure with Slam-Action Latches and Lift-Off Hinges
- Three Position Containment Fill Station accommodates SCBA or SCUBA Cylinders up to 31” in overall length
- BAUER Purification System with SECURUS®, PLC Based Controller with Multicolor Touchpad Display
- Compressor Low Oil Pressure and High Temperature Safety Shutdowns

OPTIONAL FEATURES
- CO Monitor
- Additional ASME Cylinders
- Panel Mounted Remote Fill Hose Connection, includes Adjustable Regulator for up to 6000 PSI, Gauge, Isolation Valve connected to a Cabinet Enclosed Hose Reel with 75’ of Hose Rated for 6000 PSI Service

Compressors - Unicus III The Total System
5000/6000 PSI

UNICUS III is a combination of Compressor, Purification, Storage, Air Control Panel and Fill Station all in one package. Capacity ranges from 9.7 to 42.0 SCFM charging rate.

STANDARD FEATURES 5000/6000 PSI
- Hinged Cascade Fill Control Panel with Air Flow / Fill Schematic
- Audible Alarm on Safety Shutdowns
- Emergency Stop Push Button
- NEMA 4 Electrical Enclosure
- Inlet Filter Maintenance Indicator
- Condensate Reservoir with 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 Hinges
- Three Position Containment Fill Station accommodates SCBA or SCUBA Cylinders up to 31” in overall length
- BAUER Purification System with SECURUS®, PLC Based Controller with Multicolor Touchpad Display
- Compressor Low Oil Pressure and High Temperature Safety Shutdowns

OPTIONAL FEATURES
- CO Monitor
- Additional ASME Cylinders
- Panel Mounted Remote Fill Hose Connection, includes Adjustable Regulator for up to 6000 PSI, Gauge, Isolation Valve connected to a Cabinet Enclosed Hose Reel with 75’ of Hose Rated for 6000 PSI Service

Visit our online store at www.safeairsystems.com
Compressors - Vertecon 5000/6000 PSI

**Compressors - Vertecon**

**5000/6000 PSI**

**Open Designs**

**Open Designs** in horizontal or vertical configurations combine compressors and air purification system. Capacity ranges from 35.9 to 145 SCFM charging rate.

**STANDARD FEATURES**
- BAUER Breathing Air Purification System
- SECURUS® Electronic Moisture Monitoring (optional on K42V-E3 and K42-E3 only)
- Compressor Low Oil Pressure and High Temperature Safety Shutdowns
- Belt Guard Designed to Meet OSHA Specifications
- BAUER PLC Based Controller with Four-Line Text Display
- UL® Listed Electrical Assembly with NEMA 4 Enclosure
- Emergency Stop Push Button
- Soft Start, Isolation Contactor and Circuit Breaker providing Instantaneous Short Circuit Protection
- Automatic Condensate Drain System with Reservoir

**OPTIONAL FEATURES**
- Purification System Upgrades
- CO Monitor
- Locally Mounted Interstage Gauges
- Air Storage and Containment Stations allow for Customization to Meet Specific Requirements

**H25VTC**

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**Compressors - Basic Package II**

**5000/6000 PSI**

**Basic Package II** Series combines compressors and air purification in a horizontal design which accommodates a 5000 or 6000 PSI three, four or five stage compressor. 5 - 20 HP electric drive motor. Discharge capacities range from 5.0 SCFM charge rate up to 26.4 SCFM charge rate.

**STANDARD FEATURES**
- BAUER Breathing Air Purification System
- Compressor Low Oil Pressure and High Pressure Safety Shutdowns
- BAUER PLC Based Controller with Four-Line Text Display
- UL® Listed Electrical Assembly with NEMA 4 Enclosure and Hourmeter
- Emergency Stop Push Button

**OPTIONAL FEATURES**
- Purification System Upgrades
- CO Monitor
- Securus® Electronic Moisture Monitoring
- Locally Mounted Interstage Gauges
- Other Options Available upon Request

**BPII-13** (Shown with optional CO Monitor)

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**Engine Driven**

**5000/6000 PSI Open Horizontal**

**The Horizontal** packages come in both Gasoline and Diesel engines. SCFM ranges from 13.0 to 60.0. Engine HP ranges from 13.5 HP to 60 HP.

Four Stage - 5000 PSI units are 21.0 SCFM to 60.0 SCFM, Engines are 20 HP to 60 HP. Four/Five Stage - 6000 PSI units are 13.0 SCFM to 35.9 SCFM, Engines are 13.5 HP to 44 HP.

**STANDARD FEATURES**
- Compressor Low Oil Pressure and High Pressure Safety Shutdowns
- BAUER Breathing Air Purification System
- BAUER PLC Based Controller with Four-Line Text Display
- UL® Listed Electrical Assembly with NEMA 4 Enclosure and Hourmeter
- Air Cooled Diesel or Gasoline Engine

Contact our Sales Department for more information on the Engine Driven units.

**FIVE STAGE 6000 PSI UNIT**

**HD25-D**

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Visit our online store at www.safeairsystems.com
Compressors - Maxi & Mini Verticus

5000/ 6000 PSI

MAXI VERTICUS space saving, sound attenuated vertical design to diminish operating sound level to approximately 79dBA. Capacities range from 19.2 to 42.0 SCFM charging rate.

STANDARD FEATURES 5000/6000 PSI
- BAUER PLC Based Controller with Multicolor Touchpad Display
- BAUER Breathing Air Purification System
- SECURUS® Electronic Moisture Monitoring
- Automatic Condensate Drain System with Non-Corrosive Condensate Reservoir and Integrated Float Switch. Automatic "Full" Indication and Compressor Shutdown
- Compressor Low Oil Pressure and High Temperature Safety Shutdowns
- UL® Listed Electrical Assembly with NEMA 4 Enclosure
- Automatic Start / Stop Control / Emergency Stop Push Button
- Vertically Hinged Front Operators Panel
- Vertically Hinged and Lift-Off Side Maintenance Access Doors
- Inlet Filter Maintenance Indicator

MINI VERTICUS with space saving, sound attenuated vertical design to diminish operating sound level to approximately 70dBA. Capacities range from 5.0 to 13.0 SCFM charging rate.

STANDARD FEATURES 5000/6000 PSI
- BAUER PLC Based Controller with Multicolor Touchpad Display
- BAUER Breathing Air Purification System with SECURUS® Electronic Moisture Monitoring
- Automatic Condensate Drain System with Non-Corrosive Condensate Reservoir and Integrated Float Switch. Automatic "Full" Indication and Compressor Shutdown
- Compressor Low Oil Pressure and High Temperature Safety Shutdowns
- UL® Listed Electrical Assembly with NEMA 4 Enclosure
- Automatic Start / Stop Control / Emergency Stop Push Button

OPTIONAL FEATURES
- CO Monitor with Remote Display
- Audible Alarms for Safety Shutdowns
- Other Options Available upon Request

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Compressors - Divers Choice

5000 PSI

JUNIOR II lightweight portables complete with air purification system and fill hose, are safe, reliable three stage compressors. Available in single phase 115/230 VAC and three phase 230/460 VAC electric motor, Gasoline or Diesel engine drive. Capacities range from 2.9 to 4.3 SCFM charging rate.

STANDARD FEATURES
- BAUER P0 Breathing Air Purification System
- Vibration Isolators
- Belt Guard Designed to Meet OSHA Guidelines
- Inlet Filter
- High Temperature Switch (JRII-G) • 5 Foot Fill Hose Assembly with SCUBA Yoke, Bleed Valve and Pressure Gauge

OTHER OPTIONS AVAILABLE

DIVE MATE is a safe, reliable three or four stage breathing air compressor designed to give you lightweight portability. Available in your choice of electric motor, gasoline engine or diesel engine drive. Capacities range from 6.0 to 9.7 scfm charging rate.

STANDARD FEATURES
- BAUER P0 Breathing Air Purification System
- Gasoline Engine (DMT 06, DMT 08, DMT 10)
- Diesel Engine (DMT 08) • Pressure Switch (DMT-E)
- High Temperature Switch (DMT-E) • Low Oil Pressure Switch (Electric units and engine drive w/ elec. start)
- Motor Starter with NEMA 4 Enclosure (DMT-E)
- P0 Purification (DMT 06) or P31 Purification (DMT 08, DMT10)
- Stainless Steel Intercoolers and Aftercooler
- Inlet Filter • Vibration Isolators • Hourmeter (DMT-E)

OTHER OPTIONS AVAILABLE

OCEANUS 4.9 SCFM, 5 HP

STANDARD FEATURES
- BAUER P0 Breathing Air Purification System • Inlet Filter
- Belt Guard Designed to Meet OSHA Guidelines
- Sturdy, Long Lasting Low Pressure Oil Pump
- Large Oil Sump Allows Shipboard Inclination of 30° (20°gas drive)
- Capable of Filling/Maintaining up to a Two Cylinder 5000 PSI DOT Storage System
- Corrosion-Resistant Coolers • Stainless Steel Frame
- High Temperature Switch (OCEANUS-G) • Vibration Isolators
- 5 Foot Fill Hose Assembly with SCUBA Yoke, Bleed Valve and Pressure Gauge

OTHER OPTIONS AVAILABLE

(Day shown with optional features) - Dive Mate 5000 PSI

5000/6000 PSI

MAXI VERTICUS
- Electric Motor, Single Phase or Three Phase
- Gasoline Engine (DMT 06, DMT 08, DMT 10)
- Diesel Engine (DMT 08) • Pressure Switch (DMT-E)
- High Temperature Switch (Except D drive)
- Low Oil Pressure Switch (Electric units and engine drive w/ elec. start)
- Motor Starter with NEMA 4 Enclosure (DMT-E)
- P0 Purification (DMT 06) or P31 Purification (DMT 08, DMT10)
- Stainless Steel Intercoolers and Aftercooler
- Inlet Filter • Vibration Isolators • Hourmeter (DMT-E)

OTHER OPTIONS AVAILABLE

MINI VERTICUS
- Electric Motor, Single Phase or Three Phase
- Gasoline Engine (DMT 06, DMT 08, DMT 10)
- Diesel Engine (DMT 08) • Pressure Switch (DMT-E)
- High Temperature Switch (DMT-E) • Low Oil Pressure Switch (Electric units and engine drive w/ elec. start)
- Motor Starter with NEMA 4 Enclosure (DMT-E)
- P0 Purification (DMT 06) or P31 Purification (DMT 08, DMT10)
- Stainless Steel Intercoolers and Aftercooler
- Inlet Filter • Vibration Isolators • Hourmeter (DMT-E)

OTHER OPTIONS AVAILABLE

5000/6000 PSI

ELECTRIC MOTOR
- Gasoline Unit

OPTIONAL FEATURES
- CO Monitor
- Audible Alarms for Safety Shutdowns
- Locally Mounted Compressor Interstage PSI Gauges

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BAUER OXY-FILL is available in one or two position configurations. Thoroughly proof tested by an independent third party lab with oxygen as the process gas, rest assured containment means just that when you purchase BAUER.

STANDARD FEATURES
• Single or Tandem Fill Positions • Mounted Oxygen Management Control Panel
• The entire System is Oxygen Cleaned Prior to Shipment

SCBA Containment Fill Stations
ONE, TWO AND THREE POSITION

BAUER CFS FILL STATIONS are independently tested Containment Fill Stations which were found to protect the operator from overpressure and fragmentation per NFPA 1901. Units come in two versions, “M” and “S”. The “M” Version comes with no Base and no Fill Control Panel. The “S” Version comes with Base and Fill Control Panel. Ergonomic “Easy Load” door design allows the operator to open and close with less than 18 lbs. of force without hyper-extended hand and wrist movements.

• One, Two, or Three Fill Positions Complete with Cylinder Scuff Guard, SCBA Fill Connection, Fill Hose and Bleed Valve
• Safety Door Interlock
• Fill Control Panel with Adjustable Regulator, Relief Valve, Manual Control Valve and Pressure Gauge for Each Fill Position. (S version only)
• Mounted Cascade Panels Available with Single or Dual Function Capability (2S or 3S models)
• CFS II M Versions Designed for Use with Remote Air Distribution Panel
• Other Options Available upon Request

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Compressor Re-Block

IS YOUR COMPRESSOR BLOCK WORN OUT?

Why spend money on a complete system, when all you need to do is replace the pump? We sell New & Used Bauer compressor bare blocks that will get you back up and running for less cost than a complete new unit. Bare blocks can be installed in Stationary or Mobile applications. We also have used equipment: compressors, fill stations and ASME & DOT cylinders call 800-424-8633 for more info.

Above: Old Cadet Block Stationary Unit.
Right: After Re-Blocking Stationary Unit.

Above: Before Re-Blocking Stationary Unit.
Above: After Re-Blocking Stationary Unit.
Above: Before Re-Blocking Mobile Unit.
Above: Before Re-Blocking Mobile Unit.

Why spend money on a complete system, when all you need to do is replace the pump? We sell New & Used Bauer compressor bare blocks that will get you back up and running for less cost than a complete new unit. Bare blocks can be installed in Stationary or Mobile applications. We also have used equipment: compressors, fill stations and ASME & DOT cylinders call 800-424-8633 for more info.

Above: Before Re-Blocking Stationary Unit.
Above: After Re-Blocking Stationary Unit.

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System Fill Chart

5000 PSI COMPRESSOR WITH (4) DOT CYLINDERS (5000 PSI) [1920 SCF]

<table>
<thead>
<tr>
<th>COMPRESSOR</th>
<th>2216 PSI (45 cf)</th>
<th>4500 PSI (45 cf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charge Rate (SCFM)</td>
<td>FAD</td>
<td>SCBA CYL/HOUR</td>
</tr>
<tr>
<td>6.0</td>
<td>5.0</td>
<td>52</td>
</tr>
<tr>
<td>8.4</td>
<td>7.0</td>
<td>55</td>
</tr>
<tr>
<td>21.0</td>
<td>17.5</td>
<td>70</td>
</tr>
<tr>
<td>26.4</td>
<td>22.0</td>
<td>77</td>
</tr>
</tbody>
</table>

6000 PSI COMPRESSOR WITH (4) DOT CYLINDERS (6000 PSI) [2036 SCF]

<table>
<thead>
<tr>
<th>COMPRESSOR</th>
<th>2216 PSI (45 cf)</th>
<th>4500 PSI (45 cf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charge Rate (SCFM)</td>
<td>FAD</td>
<td>SCBA CYL/HOUR</td>
</tr>
<tr>
<td>5.0</td>
<td>4.0</td>
<td>54</td>
</tr>
<tr>
<td>9.7</td>
<td>8.1</td>
<td>60</td>
</tr>
<tr>
<td>13.0</td>
<td>10.8</td>
<td>64</td>
</tr>
<tr>
<td>19.2</td>
<td>16.0</td>
<td>72</td>
</tr>
<tr>
<td>25.2</td>
<td>21.0</td>
<td>80</td>
</tr>
</tbody>
</table>

• Filling based on cascading, with storage charged to maximum system pressure.
• FAD - Free Air Delivery
• Number of fills based on initial pressure of 500 psig.

Manual Cascade Air Control Panel

4 Bank ACP SS SAS Custom

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TCOM Lite Trailer

6000 PSI

TCOM LITE-13H (Four stage unit) and TCOM LITE-25H (Five stage unit) both 6000 PSI designs are powered by a Diesel Drive System. Each system is equipped with two position containment Fill Station, Air Control Panel, 2 6000 PSI DOT Storage cylinders.

STANDARD FEATURES
- 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
- Hypalon® Type Cover for Fill Station & Control Panel
- Two 6000 PSI DOT Air Storage Cylinders
- Two Position Containment Fill Station
- Four Bank Dual Function Cascade Panel with Air Direction Valve
- Formed Structural Steel Frame Designed and Built by BAUER

OTHER OPTIONS AVAILABLE

TCOM-13H (Four stage unit) and TCOM-25H (Five stage unit) both 6000 PSI designs are powered by a Diesel / Electric Dual Drive System. Each system is equipped with two position containment Fill Station, Air Control Panel, 4 ASME Storage cylinders and SCBA storage for up to twelve bottles.

STANDARD FEATURES
- Unique Diesel / Electric Dual Drive System incorporating our Exclusive Automatic Belt Tensioning System
- High Gloss Powder Coat Paint for a hard durable finish
- Integral SCBA Storage for up to 12 SCBA Cylinders
- Four ASME Air Storage Cylinders
- Refill Port
- Two Position Containment Fill Station
- Four Bank Dual Function Cascade Panel with Air Direction Valve
- Roller Shutter Door Protection for the Operations Panel and Fill Station
- Hydraulic Surge Brakes with Breakaway Activator

OTHER OPTIONS AVAILABLE

* Custom wrap trailers available at additional charge.
SAFE AIR SYSTEMS is here to help you size up your Mobile trucks and trailers. Let us work with you and design the most efficient system to maximize your breathing air needs.

- Custom wrap trailers available at additional charge.

Our sales and design engineers have years of experience to help you create the best design for your mobile application.
Design & Fabrication - MOBILE TRUCKS & TRAILERS

ARE YOU THINKING OF CHANGING COMPARTMENTS IN YOUR TRUCK OR TRAILER?

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Extinguishers

Portable Fire Extinguishers are intended as a first line of defense to cope with fire of a limited size.

The National Fire Protection Association requires ALL fire extinguishers to be inspected annually and serviced as needed.

Safe Air Systems, Inc. can provide equipment as well as inspect, install, test and perform scheduled maintenance on all portable units.

Safe Air Systems, Inc. will apply the highest standards of the provisions set forth by the NFPA and your local Code Enforcer. If you have questions please call 704-578-6172.

All businesses are required by law to have an annual inspection performed on all safety equipment to ensure equipment is maintained and in operable condition. This includes inspection of:

- Extinguishers
- Exit Signs
- Emergency Lighting
- Smoke Detectors
- Alarm Systems

This inspection is required by NFPA, OSHA, Local Fire Enforcement as well as insurance companies.

Safe Air Systems, Inc. also offers instruction on fire extinguisher use (fire training) which is proven to be beneficial for the safety of company employees.

Visit our online store at www.safeairsystems.com

Extinguishers

Safe Air Systems, Inc. can perform Quantitative Fit Test for your Respirator. OSHA 1910.134 mandates Quantitative Fit Tests are required yearly.

- 1-3 minute respirator fit testing
- On-board data storage can store more than 500 tests
- USB Computer interface, keyboard and printer connections
- USB thumb-drive storage and data transfer

Above: Compressed Air Foam System.
Useful Formulas

- Compressor RPM = \( \text{motor pulley p.d. \times motor RPM} \) \( \text{compressor pulley p.d.} \)
- Motor Pulley p.d. = \( \text{comprssor pulley p.d. \times compressor RPM} \) \( \text{motor RPM} \)
- Compressor Pulley = \( \text{motor pulley p.d. \times motor RPM} \) \( \text{compressor RPM} \)
- Motor RPM = \( \text{compressor pulley p.d. \times compressor RPM} \) \( \text{motor pulley p.d.} \)
- Cubic Feet = Gallons \( \times \) .134
- Gallon of Water weighs 8.3454 lbs
- Piston Displacement = Diameter \( \times \) Area \( \times \) Stroke
- Volume of Cylinder = Area \( \times \) Height
- 1 Gallon of Water Contains 231 Cubic Inches
- 1 Cubic Foot of Water Contains 1728 Cubic Inches
- 1 Cubic Foot of Water Weighs 62.5 lbs
- 1 Cubic Foot of Water Contains 7.5 Gallons
- 1 PSI of Air Will Hold Back 3 lbs. of Water
- 1” of Vacuum Will Lift Water 1.13 Feet
- 1 PSI Will Push Water 2.3 Feet
- Area of Circle = Diameter \(^2\) \( \times \) .7854

**Electric Motor Chart**

**THREE PHASE MOTOR DATA**

<table>
<thead>
<tr>
<th>MOTOR H.P.</th>
<th>208V</th>
<th>230V</th>
<th>460V</th>
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</thead>
<tbody>
<tr>
<td>FULL LOAD CURRENT AMPS</td>
<td>17.5</td>
<td>15.2</td>
<td>7.6</td>
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<tr>
<td>MINIMUM COPPER WIRE SIZE</td>
<td>10</td>
<td>12</td>
<td>14</td>
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<tr>
<td>THERMAL-MAGNETIC BREAKER TRIP RATING</td>
<td>35</td>
<td>30</td>
<td>15</td>
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<tr>
<td>DUAL ELEMENT TIME DELAY FUSE-AMPS</td>
<td>25</td>
<td>25</td>
<td>12</td>
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<table>
<thead>
<tr>
<th>MOTOR H.P.</th>
<th>208V</th>
<th>230V</th>
<th>460V</th>
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</thead>
<tbody>
<tr>
<td>FULL LOAD CURRENT AMPS</td>
<td>25.3</td>
<td>22</td>
<td>11</td>
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<tr>
<td>MINIMUM COPPER WIRE SIZE</td>
<td>8</td>
<td>10</td>
<td>14</td>
</tr>
<tr>
<td>THERMAL-MAGNETIC BREAKER TRIP RATING</td>
<td>50</td>
<td>45</td>
<td>20</td>
</tr>
<tr>
<td>DUAL ELEMENT TIME DELAY FUSE-AMPS</td>
<td>40</td>
<td>30</td>
<td>17.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MOTOR H.P.</th>
<th>208V</th>
<th>230V</th>
<th>460V</th>
</tr>
</thead>
<tbody>
<tr>
<td>FULL LOAD CURRENT AMPS</td>
<td>32.2</td>
<td>28</td>
<td>14</td>
</tr>
<tr>
<td>MINIMUM COPPER WIRE SIZE</td>
<td>8</td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>THERMAL-MAGNETIC BREAKER TRIP RATING</td>
<td>60</td>
<td>60</td>
<td>25</td>
</tr>
<tr>
<td>DUAL ELEMENT TIME DELAY FUSE-AMPS</td>
<td>50</td>
<td>40</td>
<td>20</td>
</tr>
</tbody>
</table>

**SINGLE PHASE MOTOR DATA**

<table>
<thead>
<tr>
<th>MOTOR H.P.</th>
<th>5 HP</th>
<th>7.5 HP</th>
<th>10 HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>FULL LOAD CURRENT AMPS</td>
<td>56</td>
<td>28</td>
<td>80</td>
</tr>
<tr>
<td>MINIMUM COPPER WIRE SIZE</td>
<td>4</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>THERMAL-MAGNETIC BREAKER TRIP RATING</td>
<td>90</td>
<td>60</td>
<td>110</td>
</tr>
<tr>
<td>DUAL ELEMENT TIME DELAY FUSE-AMPS</td>
<td>80</td>
<td>40</td>
<td>100</td>
</tr>
</tbody>
</table>
Air Quality Testing

Air Quality Testing that is Easy, Accurate, and Affordable!

It is necessary that any department that makes their own breathing air must make sure that their air meets the standards put forth by the:
- National Fire Protection Association
- Compressed Gas Association
- OSHA

Safe Air Systems, Inc. provides air quality testing that is simple to administer with results returning within a week. All components of the test are shipped to you via UPS and return labels are supplied with each kit to facilitate easy return to the lab. If at anytime, your sample does not pass, we will ship you a retest kit immediately at no extra charge and have one of our service technicians call to troubleshoot the cause of the failed test.

Safe Air Systems offers a variety of programs. Monthly, Quarterly, Semi-Annual and Single air test programs can be purchased. All grades of air testing are available including military specs.

We can even have a service tech come to your facility and pull each test!

NFPA 1989 *2008 standards state that quarterly samples must be taken. Also, that one air sample shall be taken before changing the purification components and a second must be taken after the components are changed. If you so desire Safe Air Systems will make sure that the transition to these new standards goes smoothly and effectively.

Sign up today to get started on one of our programs! Contact Safe Air Systems at 800.424.8633 or email us at airtest@safeairsystems.com. For more information about Air Quality Testing, please visit our website.

DO NOT EXCEED 2500 PSI

STEP 1: Inspect bottle for any damage.
STEP 2: Select one of the adapters provided & screw it into the quick adapter (see the end with the #6 hose connection).
STEP 3: Connect assembly to your air source and connect to bottle.
STEP 4: Begin flowing sample through sample bottle for 3 minutes.

DO NOT ALTER THE SAMPLE CYLINDER IN ANY WAY. IT MAY CAUSE SERIOUS INJURY.

Hydrostatic Testing Facility

- Safe Air Systems has a state of the art testing facility with 4 computer operated test stands that have the capacity to test cylinders in large quantities.
- Our testing systems are single pump units that have the capacity to test cylinders simultaneously at a rate of 7 cylinders per testing cycle.
- We can test High Pressure cylinders ranging from 3,000 PSI to 10,000 PSI to meet the DOT standards.
- A computer generated report is provided with all test results.

ASME vessels do not require testing. They are pressure vessels that are manufactured under the American Society of Mechanical Engineers not DOT standards. However, they do fall under ASME pressure vessel code which is much stricter than DOT standards and comes under OSHA and Department of Labor rules and inspections.

For more information see the DOT website at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm

PICKUP & DELIVERY AVAILABLE

Visit our online store at www.safeairsystems.com

www.safeairsystems.com • toll free 1.800.424.8633
# Hydrostatic Label

Our Hydrostatic Testing inspection label clearly denotes the date your cylinder was last tested.

# DOT & ASME Charts

## DOT & ASME Charts

### ASME 5250 (5000) PSI W.P. 436 CU FT

<table>
<thead>
<tr>
<th>CYL. QTY</th>
<th>TOTAL CF</th>
<th>2216 PSI 45 CF</th>
<th>4500 PSI 45 CF</th>
<th>4500 PSI 88 CF</th>
<th>2250 PSI 72 CF</th>
<th>3000 PSI 80 CF</th>
<th>FILL METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>436</td>
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<td>1</td>
<td>7</td>
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<tr>
<td>4</td>
<td>1744</td>
<td>25</td>
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<tr>
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<td>9</td>
<td>24</td>
<td>18</td>
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### DOT 4500 (4500) PSI SERVICE PRESSURE, 444 CU FT

<table>
<thead>
<tr>
<th>CYL. QTY</th>
<th>TOTAL CF</th>
<th>2216 PSI 45 CF</th>
<th>4500 PSI 45 CF</th>
<th>4500 PSI 88 CF</th>
<th>2250 PSI 72 CF</th>
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<tbody>
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## DOT 5000 (5000) PSI SERVICE PRESSURE, 486 CU FT

### ASME 6600 (6000) PSI W.P. 491 CU FT

<table>
<thead>
<tr>
<th>CYL. QTY</th>
<th>TOTAL CF</th>
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<th>4500 PSI 45 CF</th>
<th>4500 PSI 88 CF</th>
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<tbody>
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</table>

### DOT 6000 (6000) PSI SERVICE PRESSURE, 509 CU FT

<table>
<thead>
<tr>
<th>CYL. QTY</th>
<th>TOTAL CF</th>
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<th>4500 PSI 88 CF</th>
<th>2250 PSI 72 CF</th>
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<tbody>
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<td>1</td>
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