BREATHING AIR SYSTEMS

HIGH-PERFORMANCE PRODUCTS FROM SCOTT
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**SCOTT BREATHING AIR SYSTEMS**

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STANDARD FEATURES

SUPERIOR QUALITY AIR WITH UNSURPASSED SAFETY FEATURES

FRESHAIR PURIFICATION SYSTEMS
At the heart of a Scott compressor is a precisely matched FreshAir Purification System, engineered to provide superior compressor performance. Designed with safety in mind, this industry-leading system is configured with a steadfast moisture separator, unwavering purification chambers and a reliable back-pressure valve.

FEATURES
• The most state-of-the-art and efficient system in the industry
• Safe, dependable and easily maintained
• Delivers air that exceeds all recognized respiratory standards as set by OSHA, CGA, NFPA, CSA and EN
• All systems deliver Grade E air, the purest air available for life support
• Manufactured with space-age, lightweight, high-strength, corrosion-resistant aluminum alloy
• Industry proven after introduction over 40 years ago
• Scott’s purification chambers meet ASME standards, are AU and Canadian certified (CRN)

SCOTT X4 CONTROLLER
All of Scott’s compressor models come standard with Scott’s state-of-the-art microprocessor X4 Controller, which provides ultimate command of your Scott breathing air system. Designed to monitor and control the compressor’s operations, the X4 Controller provides features that ensure clean, breathable air to each cylinder and safe operations for the user.

FEATURES
• Monitors the compressor’s discharge air temperature and oil level
• Measures the CO and/or dew point for maximum outputs and shuts the compressor down to ensure acceptable air quality
• Low-oil and high-temperature alarms
• Measures and alarms for high CO and dew point levels
• Alerts for service and collects data of the compressor usage
• Available in three languages (English, Spanish and Mandarin)
• Programmable and user-friendly
• Available in four configurations:
  - Standard (no CO or dew point)
  - CO monitoring
  - Dew point monitoring
  - CO and dew point monitoring

EXCLUSIVE LINE OF FRESHAIR PURIFICATION SYSTEMS
Scott breathing air systems feature our FreshAir Purification System—engineered to deliver superior quality air with unsurpassed safety features. The air quality of our FreshAir Purification System meets or exceeds all recognized respiratory air standards as set forth by OSHA, CGA, CSA and the NFPA. FreshAir Purification Systems are precisely sized to maximize the performance of each compressor. Our innovative FreshAir Purification Systems come complete with moisture separator, purification chambers, and back-pressure valve.
HUSH AIR

THE QUIETEST OPEN FRAME AIR COMPRESSOR ON THE MARKET

HUSH AIR
The quietest breathing air system on the market today. Hush Air has a complete compressor assembly with maximum open frame air flow design, featuring our FreshAir Purification System capable of purifying 60,000 to 84,000 scf of air.

FEATURES
• Automatic drain system with muffler and reservoir
• Automatic low-oil shut down digital readout
• Stage gauge panel
• Emergency stop button
• Operation time meter
• Automatic high-temperature shut down digital readout
• Automatic control and digital readout panel
• Meets NFPA, CRN and CSA (for 60 Hz systems) standards
• One-year warranty

OPTIONS
• Scott X4 air quality monitors
• 60 or 50 Hz
• Horsepower ranges of 5, 7.5, or 10 (6.2–14 cfm/176–397 lpm)
• 5000 psig/345 bar units—5 HP (6.2 cfm/176 lpm) or 7.5 HP (9 cfm/255 lpm)
• 6000 psig/413 bar units—7.5 HP (8.4 cfm/238 lpm) or 10 HP (14 cfm/397 lpm)
• Moisture indicator
• Calibration kit
• Remote air intake

ENCLOSED MODEL

SIMPLE AIR
ECONOMICAL AND EFFICIENT STATIONARY AIR COMPRESSOR

SIMPLE AIR
This cost-effective, low-profile breathing air system is a complete compressor assembly with maximum open-frame air-flow design, featuring our FreshAir Purification System capable of purifying 22,000 to 37,000 scf of air.

FEATURES
• Automatic drain system with muffler and reservoir
• Automatic low-oil shut down digital readout
• Stage gauge panel
• Emergency stop button
• Operation time meter
• Automatic high-temperature shut down digital readout
• Automatic control and digital readout panel
• Meets NFPA, CRN and CSA (for 60 Hz systems) standards
• One-year warranty

OPTIONS
• Single or three phase power
• 60 or 50 Hz
• Horsepower ranges of 5, 7.5, or 10 (6.2–14 cfm/176–397 lpm)
• 5000 psig/345 bar units—5 HP (6.2 cfm/176 lpm) or 7.5 HP (9 cfm/255 lpm)
• 6000 psig/413 bar units—7.5 HP (8.4 cfm/238 lpm) or 10 HP (14 cfm/397 lpm)
• Automatic control and digital readout panel
• Meets NFPA, CRN and CSA (for 60 Hz systems) standards
• One-year warranty on entire unit
• Two-year warranty on compressor block

SIMPLE AIR

ENCLOSED MODEL

OPTIONS
• Single or three phase power
• 60 or 50 Hz
• Horsepower ranges of 5, 7.5, or 10 (6.2–14 cfm/176–397 lpm)
• 5000 psig/345 bar units—5 HP (6.2 cfm/176 lpm) or 7.5 HP (9 cfm/255 lpm)
• 6000 psig/413 bar units—7.5 HP (8.4 cfm/238 lpm) or 10 HP (14 cfm/397 lpm)
• Automatic control and digital readout panel
• Meets NFPA, CRN and CSA (for 60 Hz systems) standards
• One-year warranty on entire unit
• Two-year warranty on compressor block

ENCLOSED MODEL
GUARDIAN
ECONOMICAL TOTAL CONTAINMENT FILL STATION

GUARDIAN CHARGE STATION
This economical unit is a complete, total containment breathing air cylinder charge module, designed with many unique safety features. It has rigid charge adapters, safety interlocks, safety pressure gauges, charge and bleeder valves and a pressure regulator for automatic cylinder charging.

FEATURES
• Economical charge station
• Total containment for two cylinders
• Designed with safety in mind
• Tested to NFPA 1901
• Meets NFPA standards
• Safety pressure gauges
• Auxiliary outlet unregulated back, regulated front
• Automatic storage refill valve

OPTIONS
• Scott Smart Fill Auto Cascade System
• Cascade panels (2, 3, 4, 5 or 6 banks)
• Auxiliary low-pressure regulator (300 psi/20 bar)
• Auxiliary high-pressure regulator (6000 psi/413 bar)
• Dual pressure preset fill regulators with selector switch (2216–4500, 5500 psi/152–310 bar)
• 2 or 4 integral storage tank rack
• SCUBA kit

REVOLVEAIR
THE MOST INNOVATIVE FILL STATION ON THE MARKET

REVOLVEAIR FILL STATION 2 X 2
The revolutionary patented RevolveAir fill station provides maximum safety and performance, simultaneously charging two breathing air cylinders within the protective chamber while two cylinders are being exchanged on the outside of the chamber. The unit comes complete with safety interlocks, safety gauges, charge and bleed valves and a pressure regulator for automatic cylinder charging.

FEATURES
• Economical charge station
• Total containment for two cylinders
• Designed with safety in mind
• Tested to NFPA 1901
• Meets NFPA standards
• Safety pressure gauges
• Auxiliary outlet unregulated back, regulated front
• Automatic storage refill valve

OPTIONS
• Scott Smart Fill Auto Cascade System
• Cascade panels (2, 3, 4, 5 or 6 banks)
• Auxiliary low-pressure regulator (300 psi/20 bar)
• Auxiliary high-pressure regulator (6000 psi/413 bar)
• Dual pressure preset fill regulators with selector switch (2216–4500, 5500 psi/152–310 bar)
• 2 or 4 integral storage tank rack
• SCUBA kit
LIBERTY SERIES
MOBILE SYSTEMS FOR ON-SCENE FILLING CAPABILITY

LIBERTY SERIES
For maximum performance and reliability on the scene, Scott has designed three configurations of our unique Liberty Mobile Air Systems that are ruggedly built with safety features that are unequaled in the industry. Built upon our unique platform design and featuring our FreshAir Purification System and revolutionary patented RevolveAir fill station with Scott X4 Controller (CO and moisture monitor) LCD display with audio/visual alarms for dependable operations time and time again.

FEATURES
• The lowest RPM in the market
• Automatic drain system with muffler reservoir
• Automatic low-oil shut down indicator
• Stage gauges, emergency stop button and time meter
• Automatic high-temperature shut down indicator
• Automatic control and indicator panel
• Meets NFPA, CRN and CSA (for 60 Hz systems) standards
• Low maintenance/long life
• Carbon monoxide and moisture monitoring standard
• Two-year warranty on entire unit
• ASME storage cylinders
• Low-pressure outlet (120 psi)
• U.S. military preferred

LIBERTY SLIP-IN
MOBILE COMPONENT SYSTEMS FOR YOUR VEHICLE

LIBERTY SLIP-IN
The Liberty Slip-In is a complete modular charging system that is designed for use in an existing truck or trailer. A Liberty Slip-In system can be configured to your specific space and performance requirements. Choose a compressor, fill station and storage system.

OPTIONS
• Horsepower 7 1/2 (8.4 cfm/238 lpm), 10, 15 or 20-60 HP (14–25.5 cfm/397–722 lpm)
• 6000 psi/413 bar units—10 HP (14 cfm/397 lpm), 15 HP (21.5 cfm/609 lpm) or 20 HP (25.5 cfm/722 lpm)
• Low- and high-pressure panels
  High-pressure regulator
  Low-pressure regulator
• Cascade panels
• Scott Smart Fill Auto Cascade System
• Patented Automatic Sequencing for “hands-off” control of multiple charge stations, storage and compressor
LIBERTY I
PREFERRED BREATHING AIR SYSTEM TRAILER

LIBERTY I
The easy-tow Liberty I is a totally enclosed single-axle trailer that is well suited for mobile applications. It comes with two ASME storage cylinders, 20 horsepower (25.5 cfm)/(722 lpm), 6000 psi/413 bar and is capable of being towed by any vehicle rated for 6000 GVW or more.

OPTIONS
• Voltages 60 Hz (208-230-460), 50 Hz (220-380-415V)
• Surge brakes (standard) or electrical brakes (optional)
• Cold weather package
• 7.2 kw auxiliary generator
• 1200 w floodlight and air powered mast
• 3" lunette or 2 5/16" ball hitches and pintle/ball towing packages.
• Customized paint to match your department’s color scheme
• Sand filters for dirty environments
• Multi-language X4 Controller (English, Spanish and Mandarin)
• Spare tire
• Scuba adapter
• CO calibration kit

LIBERTY II
TANDEM-AXLE BREATHING AIR SYSTEM TRAILER OPTIONS

LIBERTY II
The easy-tow Liberty II has all of the features of the Liberty I but is a tandem-axle unit. The Liberty II can bear more weight, leading to an array of available options. It also comes with four ASME cylinders instead of two and is capable of being towed by any vehicle rated for 7000 GVW.

OPTIONS
All of the Liberty I options plus:
• SCBA storage rack
• High-pressure reel
• Low-pressure reel
• Scott Smart Fill Auto Cascade System
**BUILD A PATRIOT SERIES**

**COMPLETE BREATHING AIR FILL STATIONS IN THREE EASY STEPS**

The Patriot is the signature series of breathing air cylinder charge systems from Scott. An innovative platform design, the Patriot system allows a user to customize a unique combination of compressor, fill station and storage to meet specific requirements for space and performance. The Patriot series is available in multiple modular configurations. This modular concept allows you to build a system over time or to add to an existing breathing air system to meet ever-changing needs.

**WHEN BUILDING A PATRIOT SYSTEM, SELECT THE COMPRESSOR, CHARGE STATION AND OPTIONAL STORAGE SYSTEM THAT BEST SUITS YOUR PARTICULAR NEEDS.**

**STEP 1**

Choose your compressor

- Hush Air open
- Hush Air enclosed
- Simple Air open
- Simple Air enclosed

**STEP 2**

Choose your charge station, storage control (bulk or cascade) & cascade controls

- RevolveAir
- Guardian
- Auto Cascade
- Manual

**STEP 3**

Choose your storage system

- Horizontal ASME
- Vertical DOT
- ASME or DOT Integral (back of fill station)
- Vertical ASME
SAMPLE CONFIGURATIONS OF OUR HUSH OR SIMPLE PATRIOT SYSTEM OPTIONS.
OPTIONS
FOR SCOTT BREATHING AIR SYSTEMS

COLOR SCHEMES
Scott offers standard and customized color schemes. The standard color for most stationary units is a textured powder coat two-tone blue and white. Mobile units are textured, powder-coat, red and white. For shops or departments that want a specific color of choice, Scott will paint the unit for an additional fee.

COLOR OPTIONS
• Blue/White (standard on all stationary units)
• Red/White (standard on mobile fill stations, Liberty Slip-In)
• Red (standard on all Liberty units)
• Custom colors available (customer specified—may increase lead time and cost)

Note: To specify a color other than the standard for a particular system, contact Scott customer service.

CASCADE SYSTEMS
SMART FILL AUTO CASCADE SYSTEM
A fully automatic cascade system with no valves to turn. The Smart Fill System is an easier and more efficient way to cascade.

MANUAL CASCADE PANELS
• Mounted on top of charge station
• Available in 2, 3, 4, 5 or 6 bank systems with a valve for each bank that you can open and close to cascade

ENCLOSURES
ENCLOSE YOUR SIMPLE OR HUSH PATRIOT COMPRESSOR
Scott offers you the option to enclose your Simple Patriot or Hush Patriot in a Cab Air enclosed cabinet, for a streamlined design and quieter operation.

Note: Cab Air enclosure is dependent upon the compressor selected.
STORAGE SYSTEMS

Scott provides an array of cylinder combinations to suit your department’s particular requirements for space and performance.

FEATURES

• Meets all ASME, DOT, TC, CRN and UN/ISO codes
• Properly sized storage system meets peak demand requirements
• Storage can provide operation in the event of a power failure
• Available cylinder configurations 1 x 2, 2 x 2 or 2 x 3
• 10 year hydro test on all DOT versions

OPTIONS

• Horizontal, vertical or wall rack design
• Bulk or cascade piping
• Three variations of cylinders:
  - ASME 525 scf @ 6000 psi/413 bar with service valve, burst disc and drain plug
  - DOT 475 scf @ 5000 psi/345 bar with CGA 345 valve, service valve and drain plug
  - DOT 509 scf @ 6000 psi/413 bar with CGA 702 valve, service valve and drain plug

HORIZONTAL STORAGE

Horizontal storage units are designed as freestanding modules. Cylinders are positioned horizontally, utilizing two, four or six ASME cylinders. Standard configuration is plumbed as one volume. Cascade plumbing and controls are available. All ASME cylinders are dual coded for working pressures of 5200 psi/359 bar and 7000 psi/483 bar.

VERTICAL STORAGE

Vertical storage units are designed as freestanding modules or can be integrated into the Guardian or RevolveAir charge stations. Vertical storage units are available with two or four ASME or DOT cylinders. Standard configuration is plumbed as one volume. Cascade plumbing and controls are also available.

AT SCOTT SAFETY, WE’VE BEEN A WORLD LEADER IN RESPIRATORY PROTECTION EQUIPMENT SINCE 1945.

With a proud tradition of providing rugged, dependable air-supplied products and accessories. Our Air-Pak SCBA has become synonymous with the latest advances in respiratory protection. And we continue that tradition with our breathing air systems and cylinder fill stations, featuring innovations that improve ease-of-use, speed, reliability and safety for fire and industrial safety professionals worldwide.
### Compressor Dimensions/Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>psi/bar</th>
<th>Weight Open Unit (lb./crated lb.)</th>
<th>Weight Enclosed Unit (lb./crated lb.)</th>
<th>Dimensions Open Unit (L x W x H in.)</th>
<th>Dimensions Enclosed Unit (L x W x H in.)</th>
<th>cfm/liters</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 HP Simple Air</td>
<td>5000/345</td>
<td>430/527</td>
<td>596/693</td>
<td>42.5 x 31.5 x 34</td>
<td>53.4 x 32.6 x 34</td>
<td>6.2/176</td>
</tr>
<tr>
<td>7.5 HP Simple Air</td>
<td>5000/345</td>
<td>504/601</td>
<td>670/767</td>
<td>42.5 x 31.5 x 34</td>
<td>53.4 x 32.6 x 34</td>
<td>9/255</td>
</tr>
<tr>
<td>7.5 HP Simple Air</td>
<td>6000/413</td>
<td>412/509</td>
<td>578/675</td>
<td>42.5 x 31.5 x 34</td>
<td>53.4 x 32.6 x 34</td>
<td>8.4/238</td>
</tr>
<tr>
<td>10 HP Simple Air</td>
<td>6000/413</td>
<td>553/650</td>
<td>719/816</td>
<td>42.5 x 31.5 x 34</td>
<td>53.4 x 32.6 x 34</td>
<td>14/396</td>
</tr>
<tr>
<td>15 HP Hush Air</td>
<td>6000/413</td>
<td>1340/1469</td>
<td>1571/1700</td>
<td>62 x 40.4 x 40.2</td>
<td>65 x 47.2 x 41.8</td>
<td>21.5/609</td>
</tr>
<tr>
<td>20 HP Hush Air</td>
<td>6000/413</td>
<td>1389/1518</td>
<td>1620/1749</td>
<td>62 x 40.4 x 40.2</td>
<td>65 x 47.2 x 41.8</td>
<td>25.5/722</td>
</tr>
<tr>
<td>20 HP Liberty I</td>
<td>6000/413</td>
<td>5500</td>
<td>N/A</td>
<td>171 x 75 x 91</td>
<td>N/A</td>
<td>25.5/722</td>
</tr>
<tr>
<td>20 HP Liberty II</td>
<td>6000/413</td>
<td>6200</td>
<td>N/A</td>
<td>193 x 75 x 91</td>
<td>N/A</td>
<td>25.5/722</td>
</tr>
</tbody>
</table>

### Storage System Dimensions/Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>One Unit (lb.)</th>
<th>Two Units with Rack (lb.)</th>
<th>Four Units with Rack (lb.)</th>
<th>Dimensions Vertical 1 x 2 (L x W x H in.)</th>
<th>Dimensions Vertical 2 x 4 (L x W x H in.)</th>
<th>Dimensions Horizontal 2 x 2 (L x W x H in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASME</td>
<td>400</td>
<td>1200</td>
<td>2400</td>
<td>13 x 30 x 60</td>
<td>25 x 30 x 60</td>
<td>61 x 25 x 27</td>
</tr>
<tr>
<td>DOT 6000 psi/413 bar</td>
<td>195</td>
<td>715</td>
<td>1395</td>
<td>13 x 30 x 60</td>
<td>25 x 30 x 60</td>
<td>N/A</td>
</tr>
<tr>
<td>DOT 5000 psi/345 bar</td>
<td>170</td>
<td>675</td>
<td>1315</td>
<td>13 x 30 x 60</td>
<td>25 x 30 x 60</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Fill Station Dimensions/Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight Standard One Unit (lb./crated lb.)</th>
<th>Weight Cascade Panel with Rack (lb./crated lb.)</th>
<th>Dimensions (L x W x H in.)</th>
<th>Dimensions with Vertical 2 x 4 Rack (L x W x H in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guardian</td>
<td>745/925</td>
<td>805/985</td>
<td>30 x 32 x 60</td>
<td>30 x 43 x 67</td>
</tr>
<tr>
<td>RevolveAir</td>
<td>771/951</td>
<td>831/1011</td>
<td>30 x 25 x 60</td>
<td>30 x 43 x 67</td>
</tr>
<tr>
<td>Mobile</td>
<td>706/886</td>
<td>766/946</td>
<td>30 x 25 x 39</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Smart Fill Dimensions/Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight One Unit (lb.)</th>
<th>Dimensions (L x W x H in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smart Fill</td>
<td>26</td>
<td>14.5 x 13.75 x 7.25</td>
</tr>
</tbody>
</table>

Call your local Scott Authorized Distributor for pricing on all configured and special Scott compressors, fill stations or mobile units.

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