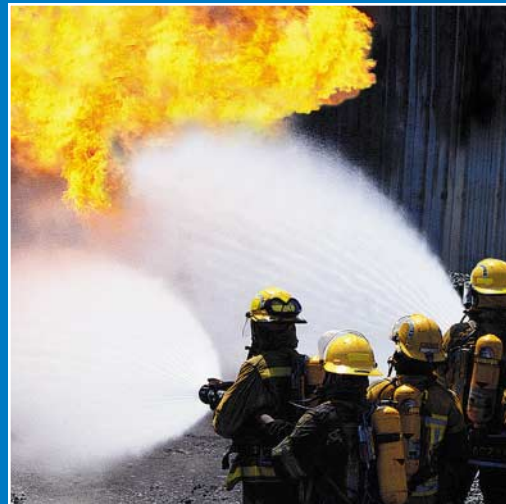


# BAUER BREATHING AIR

PURE AIR FOR YOUR WORLD

**BAUER**  
**COMPRESSORS**



**T R I E D   •   T R U E   •   B A U E R**

distributed by:

# Commitment

Since the founding of our company, BAUER has committed to a strategy of customer satisfaction achieved through a successful integration of system evaluation, project management, customer support, training and service.

## SYSTEM EVALUATION

Start the job off right by reviewing your requirements with our experienced sales staff. We can assist in selecting the best solution tailored to your needs.

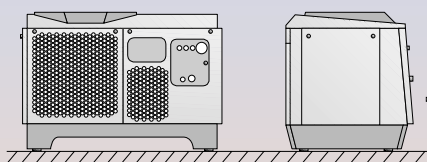
## PROJECT MANAGEMENT

Our systems are expertly designed by experienced engineers to meet your requirements. Custom designs are our specialty.

## CUSTOMER SUPPORT

Once you have purchased a BAUER compressor, you can be assured of technical support from experienced, customer service representatives.

## COMPRESSION



Available in designs and sizes illustrated in this brochure...

## The System

## PURIFICATION

### Cartridge Filtration

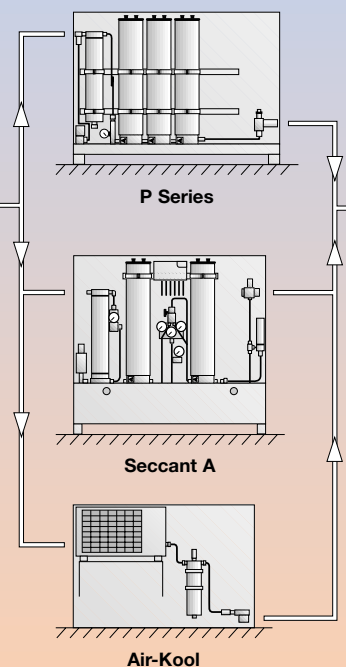
BAUER P Series Breathing Air Purification offer economical purification and drying sized precisely for each system.

### Regenerative

BAUER adsorption dryers offer atmospheric dewpoints to -94°F and use replaceable cartridges. 5% purge air is required for regeneration.

### Refrigerated

The BAUER AIR-KOOL refrigerated air cooler increases the efficiency of the final separator and the life of the processing cartridge(s) for compressors through 20 HP.





### STORAGE

It is essential that an air receiver is properly sized for the demands of the system and to prevent short cycling of the compressor and motor. Air storage for BAUER compressors is available with ASME and DOT receivers for working pressures to 6000 PSIG.

Typical Storage for Breathing Air

AIR DIRECTION VALVE

Air Storage Systems are available for installation remote from the compressor or packaged with the compressor.

### DISTRIBUTION

- ➔ **Regulator with Relief Valve and Gauge**
- ➔ **Fill Control Panels**
  - Available in Bulk or Cascade Fill
- ➔ **Containment Fill Stations**
  - Available in Bulk or Cascade Fill

CFSII-1S    CFSII-2S    CFSII-3S

# UNICUS<sup>III</sup>

## THE TOTAL SYSTEM

7.5 – 30 HP • 5000 / 6000 PSIG

**UNICUS III Cylinder Recharging Station** is the total system for recharging high or low pressure SCBA or SCUBA cylinders. The integrated system design combines a BAUER four or five stage high pressure compressor, BAUER breathing air purification system, air storage system, cascade fill panel and containment fill station into one user friendly workstation. Independently tested for safety, a UL listed electrical assembly and the proven reputation for superior performance makes the **UNICUS III** the most advanced fill station available.



**UNIII/25H-E3**  
Electric Motor Drive

# UNICUS<sup>III</sup>

## THE TOTAL SYSTEM



**Containment Fill Station**  
Three Position Fill



**Air Storage**  
Shown with Two (2)  
Additional (optional)  
ASME Cylinders



**Hinged Cascade Fill Control Panel**  
Directional Fill Schematic

MODEL	NUMBER OF STAGES	CHARGING RATE SCFM*	FAD **	HP	RPM	PURIFICATION SYSTEM	DIMENSIONS L - W - H INCHES	WEIGHT LBS.
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### 5000 PSI SERVICE

UNIII20-E3	4	21.0	17.5	15.0	1300	P5 SECURUS	90 - 36 - 77	3550
UNIII26-E3	4	26.4	22.0	20.0	1350	P5 SECURUS	90 - 36 - 77	3625
UNII42-E3 <sup>+</sup>	4	42.0	35.0	30.0	1300	P10 SECURUS	102 - 36/42 - 77	4300

### 6000 PSI SERVICE

UNIII 10H-E1/E3	4	9.7	8.1	7.5	1180	P2 SECURUS	90 - 36 - 77	3350
UNIII 13H-E1/E3	4	13.0	10.8	10.0	1420	P2 SECURUS	90 - 36 - 77	3450
UNIII 19H-E3	5	19.2	16.0	15.0	1050	P5 SECURUS	90 - 36 - 77	3600
UNIII 25H-E3	5	25.2	21.0	20.0	1300	P5 SECURUS	90 - 36 - 77	3695
UNII 35H-E3 <sup>+</sup>	4	35.9	29.8	30.0	1200	P10 SECURUS	102 - 36/42 - 77	4550

\*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.

\*\*Compressor capacity referenced to standard inlet conditions.

<sup>+</sup>30 HP driven units are incorporated within the UNII frame (ask for details on scope of supply).

E1 = Single Phase Electric, 230 VAC/60 Hz E3 = Three Phase Electric, 230/460 VAC/60 Hz.

Other voltages available on request.

Dimensions and weights are approximate and are subject to change.

## STANDARD FEATURES – 5000/6000 PSIG

- Full Gauge Panel including a Pressure Gauge for each Stage of Compression and Oil Pressure
- Emergency Stop Switch
- Hinged Cascade Fill Control Panel with Lexan Laminate Air Flow / Fill Schematic
- PLC Controller and NEMA 4 Electrical Enclosure
- Smart Pad Operator Interface Console with scrolling Diagnostic Text Display
- 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
- 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

BREATHING AIR COMPRESSOR SYSTEM  
**Tcom-13H** OR **Tcom-25H**  
BREATHING AIR COMPRESSOR SYSTEM

6000 PSIG – FOUR AND FIVE STAGE DESIGNS

**BAUER MOBILE TRAILER SYSTEMS**

Our **Tcom-13H** four stage and **Tcom-25H** five stage 6000 PSIG designs are powered by a unique diesel/electric dual drive system. Each system is equipped with a two position containment fill station, an enclosed fill control panel, four ASME storage cylinders and integral SCBA storage for up to twelve SCBA cylinders. BAUER mobile trailer systems are compliant per NFPA 1901. Optional packages are available.



All Images Shown with Optional Features

MODEL	BLOCK	CHARGING RATE SCFM*	FAD**	HP	RPM
Tcom-13H	K12.14 II	13.0	10.8	10	1420
Tcom-25H	K18.1 II	25.2	21.0	20	1300

\*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.  
\*\* Compressor capacity referenced to standard inlet conditions.

**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

**OPTIONAL PACKAGES**

OPTION PACKAGE	DESCRIPTION
OPTION PACKAGE A	Telescoping Light Mast with Four 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	75 Foot Hose Reel and Interior Lights
OPTION PACKAGE D	2 5/16" Ball Hitch
OPTION PACKAGE E	100 1/2" L x 5 1/2" H Sign Boards



**NEW**

BREATHING AIR COMPRESSOR SYSTEM  
**Tcom Lite**

6000 PSIG – FOUR AND FIVE STAGE DESIGNS

**BAUER MOBILE TRAILER SYSTEMS**

Designed and manufactured by BAUER for the budget minded customer. The **Tcom Lite** utilizes either our 13 or 25 SCFM charge rate multi-stage air cooled compressor. Our aesthetically pleasing enclosure encompasses the compressor system from inclement weather and road debris.



All Images Shown with Optional Features and Custom Paint (Non-Standard)

MODEL	BLOCK	CHARGING RATE SCFM*	FAD **	HP	RPM
TCL-13H	K12.14 II	13.0	10.8	18	1420
TCL-25H	K18.1II	25.2	21.0	27	1300

\*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.  
 \*\* Compressor capacity referenced to standard inlet conditions.

**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 Break Away Actuator
- Hypalon® Type Cover for Control Panel Fill Station
- Two 6000 PSI DOT Air Storage Cylinders
- Two-position Containment Fill Station
- Four Bank Dual Function Cascade Controls with Air Direction Valve

**OPTIONAL PACKAGES**

OPTION PACKAGE	DESCRIPTION
OPTION PACKAGE A	Spare Tire with Cover
OPTION PACKAGE B	75 Foot Hose Reel and Interior Lights
OPTION PACKAGE C	Lunnette Eye Hitch
OPTION PACKAGE D	Two (2) Additional 6000 PSI DOT Cylinders



# MINI VERTICUS

5000/6000 PSIG – THREE AND FOUR STAGE DESIGNS

**NEW**



**mVT13H-E3**  
Electric Motor Drive

*MINI VERTICUS combines compressor, air purification and SECURUS® Electronic Moisture Monitoring System in a space saving, sound attenuated vertical design to diminish operating sound level to approximately **70 dBA**. Capacities range from 5.0 to 13.0 SCFM charging rate with discharge pressures up to 6000 PSIG.*

**STANDARD FEATURES – 5000/6000 PSIG**

- Through 10 HP, Electric Motor Drive
- BAUER PLC Based Controller with Touch Pad Control (TPC) Four-Line Text Display
- BAUER Breathing Air Purification System with SECURUS® Moisture Monitor
- Automatic Condensate Drain System with Non-Corrosive Condensate Reservoir and Integrated Float Switch. Automatic “Full” Indication and Compressor Shutdown
- High Temperature and Low Oil Pressure Switch
- Instrument Panel with Final Pressure and Oil Pressure Gauges
- UL Listed Electrical Assembly with NEMA 4 Enclosure
- Pressure Switch for Automatic Start/Stop Control
- E-Stop Button

**OPTIONAL FEATURES – FACTORY INSTALLED**

- CO Monitor
- Inlet Filter Maintenance Indicator
- Audible Alarms for Safety Shutdowns
- Other Options Available upon Request

MODEL	NUMBER OF STAGES	CHARGING RATE SCFM*	FAD **	HP	RPM	PURIFICATION SYSTEM	DIMENSIONS L - W - H INCHES	WEIGHT LBS.
<b>5000 PSI SERVICE</b>								
mVT6-E1/E3	3	6.0	5.0	5.0	1250	P2 SECURUS	29 - 46 - 57	880
mVT8-E1/E3	3	8.4	7.0	7.5	1250	P2 SECURUS	29 - 46 - 57	890
<b>6000 PSI SERVICE</b>								
mVT5H-E1/E3	3	5.0	4.0	5.0	1050	P2 SECURUS	29 - 46 - 57	880
mVT10H-E1/E3	4	9.7	8.1	7.5	1180	P2 SECURUS	29 - 46 - 57	900
mVT13H-E1/E3	4	13.0	10.8	10.0	1420	P2 SECURUS	29 - 46 - 57	950

\*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.

\*\*Compressor capacity referenced to standard inlet conditions.

E1 = Single Phase Electric, 230 VAC/60 Hz. E3 = Three Phase Electric, 230/460 VAC/60 Hz.

Other voltages available on request.

*Dimensions and weights are approximate and are subject to change.*

# MAXI VERTICUS

5000/6000 PSIG – FOUR AND FIVE STAGE DESIGNS

If your need is for greater air requirements, **MAXI VERTICUS** provides capacity ranges from 19.0 to 42.0 SCFM charging rate with discharge pressures up to 6000 PSIG. The vertical cabinet design combines compressor, SECURUS® Electronic Moisture Monitoring System in a sound attenuated vertical enclosure designed for diminishing operating sound level to less than **79 dBA**.

## STANDARD FEATURES – 5000/6000 PSIG

- BAUER PLC Based Controller
- BAUER Breathing Air Purification System
- SECURUS Electronic Moisture Monitoring System
- Automatic Condensate Drain System with Non-Corrosive Condensate Reservoir and Integrated Float Switch. Automatic “Full” Indication and Compressor Shutdown
- High Temperature and Low Oil Pressure Switch with Fault Light
- UL Listed Electrical Assembly with NEMA 4 Enclosure
- Pressure Switch for Automatic Start/Stop Control
- Gauge Panel
- E-Stop Button
- Power-On Light
- Inlet Filter Maintenance Indicator

## OPTIONAL FEATURES – FACTORY INSTALLED

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



**MVT26-E3**  
Electric Motor Drive

MODEL	NUMBER OF STAGES	CHARGING RATE SCFM*	FAD **	HP	RPM	PURIFICATION SYSTEM	DIMENSIONS L - W - H INCHES	WEIGHT LBS.
<b>5000 PSI SERVICE</b>								
MVT20-E3	4	21.0	17.5	15.0	1300	P5 SECURUS	34 - 64 - 66	1050
MVT26-E3	4	26.4	22.0	20.0	1350	P5 SECURUS	34 - 64 - 66	1150
MVT42-E3	4	42.0	35.0	30.0	1300	P10 SECURUS	44 - 63 - 72	1500
<b>6000 PSI SERVICE</b>								
MVT19H-E3	5	19.2	16.0	15.0	1050	P5 SECURUS	34 - 64 - 66	1125
MVT25H-E3	5	25.2	21.0	20.0	1300	P5 SECURUS	34 - 64 - 66	1200
MVT35H-E3	4	35.9	29.8	30.0	1200	P10 SECURUS	44 - 63 - 72	1530

\*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.

\*\*Compressor capacity referenced to standard inlet conditions.

E3 = Three Phase Electric, 230/460 VAC/60 Hz

Other voltages available on request.

Dimensions and weights are approximate and are subject to change.

# OPEN VERTICAL DESIGNS

## 5000/6000 PSIG – ELECTRIC MOTOR DRIVE



**MIIV-E1**  
Electric Motor Drive

MODEL	NUMBER OF STAGES	CHARGING RATE SCFM*	FAD **	HP	RPM	PURIFICATION SYSTEM	DIMENSIONS L - W - H INCHES	WEIGHT LBS.
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**5000 PSI SERVICE**

CIIV-E1/E3	3	6.0	5.0	5.0	1250	P0	29 - 44 - 56	610
MIIV-E1/E3	3	8.4	7.0	7.5	1250	P31	29 - 44 - 56	626

**6000 PSI SERVICE**

H5V-E1/E3	3	5.0	4.0	5.0	1050	P2 SECURUS	29 - 44 - 56	630
H10V-E1/E3	4	9.7	8.1	7.5	1180	P2 SECURUS	29 - 44 - 56	720
H13V-E1/E3	4	13.0	10.8	10.0	1420	P2 SECURUS	29 - 44 - 56	720

**STANDARD FEATURES**

- BAUER Breathing Air Purification System
- Final and Oil Pressure Gauges, E-Stop Button, High Temperature / Low Oil Pressure Switch, Beltguard Designed to Meet OSHA Guidelines, Final Pressure Switch, BAUER PLC Based Controller with Touch Pad Control (TPC), Four-Line Text Display, UL Listed Electrical Assembly with NEMA 4 Enclosure and Hourmeter

**OPTIONAL FEATURES**

- Automatic Condensate Drain (Standard on 6000 PSI units)
- Purification System Upgrades
- SECURUS® Electronic Moisture Monitoring System (Standard on 6000 PSI units)
- Locally Mounted Interstage Pressure Gauges
- Fill Panels and CO Monitor

MODEL	NUMBER OF STAGES	CHARGING RATE SCFM*	FAD **	HP	RPM	PURIFICATION SYSTEM	DIMENSIONS L - W - H INCHES	WEIGHT LBS.
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**5000 PSI SERVICE**

K20V-E3	4	21.0	17.5	15.0	1300	P4	34 - 61 - 66	925
K26V-E3	4	26.4	22.0	20.0	1350	P5	34 - 61 - 66	1025
K36V-E3	4	36.0	30.0	25.0	1000	P10	42 - 62 - 72	1100
K42V-E3	4	42.0	35.0	30.0	1300	P10	42 - 62 - 72	1200
K60V-E3	4	60.0	50.0	40.0	1350	P12 SECURUS	42 - 83 - 72	2800

**6000 PSI SERVICE**

H19V-E3	5	19.2	16.0	15.0	1050	P5 SECURUS	34 - 61 - 66	1000
H25V-E3	5	25.2	21.0	20.0	1300	P5 SECURUS	34 - 61 - 66	1075
H27V-E3	4	27.5	23.0	25.0	1000	P10 SECURUS	42 - 62 - 72	1100
H35V-E3	4	35.9	29.8	30.0	1200	P10 SECURUS	42 - 62 - 72	1300

\*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.

\*\*Compressor capacity referenced to standard inlet conditions.

E3 = Three Phase Electric, 230/460 VAC/60 Hz.

Other voltages available on request.

Dimensions and weights are approximate and are subject to change.



**H13V-E3**  
Electric Drive

**STANDARD FEATURES – 5000/6000 PSI**

- BAUER Breathing Air Purification System
- Automatic Condensate Drain System
- HI Temp/Low Oil Pressure Switches with Panel Mounted Light
- BAUER PLC Based Controller
- UL Listed Electrical Assembly with NEMA 4 enclosure
- Emergency Stop Button
- Gauge Panel
- Hourmeter
- SECURUS® - (Standard on 6000 PSI Units & K60)

**OPTIONAL FEATURES**

- Purification Upgrade
- CO Monitor
- Other Features Available on Request

# CLASSIC II *Horizontal Design*

## 5-10 HP – ELECTRIC MOTOR DRIVE

CLASSIC II 5-10 HP Series combines compressor and air purification in a horizontal design which accommodates a 5000 or 6000 PSIG three or four stage compressor. Discharge capacities range from 5.0 SCFM Charge Rate up to 13.0 SCFM Charge Rate.



**CLASSIC II - ES Series**  
Open Version



**CLASSIC II - LS Series**  
Enclosed Version

MODEL	NUMBER OF STAGES	CHARGING RATE SCFM*	FAD **	HP	RPM	PURIFICATION SYSTEM	DIMENSIONS L - W - H INCHES	WEIGHT LBS.
<b>5000 PSI SERVICE</b>								
CII-E1	3	6.0	5.0	5	1250	P0	53 - 35 - 33	690
CII-E3	3	6.0	5.0	5	1250	P0	53 - 35 - 33	690
MII-E1	3	8.4	7.0	7.5	1250	P31	53 - 35 - 33	705
MII-E3	3	8.4	7.0	7.5	1250	P31	53 - 35 - 33	705
<b>6000 PSI SERVICE</b>								
H5-E1	3	5.0	4.0	5	1050	P41	53 - 35 - 33	710
H5-E3	3	5.0	4.0	5	1050	P41	53 - 35 - 33	710
H10-E1	4	9.7	8.1	7.5	1180	P41	53 - 35 - 33	745
H10-E3	4	9.7	8.1	7.5	1180	P41	53 - 35 - 33	745
H13-E1	4	13.0	10.8	10	1420	P41	53 - 35 - 33	750
H13-E3	4	13.0	10.8	10	1420	P41	53 - 35 - 33	750

\*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.

\*\*Compressor capacity referenced to standard inlet conditions.

E3 = Three Phase Electric, 230/460 VAC/60 Hz.

Other voltages available on request.

Dimensions and weights are approximate and are subject to change.

### STANDARD FEATURES – ES-ECONOMY SERIES

- Open Frame Design
- UL Listed Electrical Assembly
- PLC Based Controller
- NEMA 4 Electrical Enclosure
- Final Pressure Switch
- Final Stage Pressure Gauge
- Low Oil Pressure Switch
- Oil Pressure Gauge
- Purification System Pressure Gauge
- High Temperature Switch
- Hourmeter

### ADD TO ABOVE STANDARD FEATURES – LS-LUXURY SERIES

- Automatic Condensate Drain System with Float Switch in Condensate Drain Reservoir
- Upgrade to P41 with SECURUS Purification System Monitor
- Inlet Filter Maintenance Indicator
- Aesthetically Pleasing Cabinet Enclosure with Complete Gauge Panel including Interstage Pressure Gauges

# CLASSIC II *Horizontal Design*

## 15-20 HP – ELECTRIC MOTOR DRIVE

If your need is for greater air requirements, **CLASSIC II 15-20 HP Series** combines compressor and air purification in a horizontal design which accommodates a 5000 or 6000 PSIG four or five stage compressor. Discharge capacities range from 19.2 SCFM Charge Rate up to 26.4 SCFM Charge Rate.



**CLASSIC II - ES Series**  
*Open Version*



**CLASSIC II - LS Series**  
*Enclosed Version*

MODEL	NUMBER OF STAGES	CHARGING RATE SCFM*	FAD **	HP	RPM	PURIFICATION SYSTEM	DIMENSIONS L - W - H INCHES	WEIGHT LBS.
<b>5000 PSI SERVICE</b>								
K20-E3	4	21.0	17.5	15.0	1300	P42	58 - 35 - 38	975
K26-E3	4	26.4	22.0	20.0	1350	P42	58 - 35 - 38	1055
<b>6000 PSI SERVICE</b>								
H19-E3	5	19.2	16.0	15.0	1050	P42	58 - 35 - 38	1065
H25-E3	5	25.2	21.0	20.0	1300	P42	58 - 35 - 38	1075

\*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.  
 \*\*Compressor capacity referenced to standard inlet conditions.  
 E3 = Three Phase Electric, 230/460 VAC/60 Hz.  
 Other voltages available on request.  
*Dimensions and weights are approximate and are subject to change.*

### STANDARD FEATURES – ES-ECONOMY SERIES

- Open Frame Design
- P42 Purification System
- Automatic Condensate Drain System with Float Switch in Condensate Drain Reservoir
- UL Listed Electrical Assembly
- PLC Based Controller
- NEMA 4 Electrical Enclosure
- Final Pressure Switch
- Final Stage Pressure Gauge
- Low Oil Pressure Switch
- Oil Pressure Gauge
- Purification System Pressure Gauge
- High Temperature Switch
- Hourmeter

### ADD TO ABOVE STANDARD FEATURES – LS-LUXURY SERIES

- SECURUS Purification System Monitor
- Aesthetically Pleasing Cabinet Enclosure with Complete Gauge Panel including Interstage Pressure Gauges

# OPEN HORIZONTAL

## 5000/6000 PSIG – ELECTRIC MOTOR DRIVE

These compressors set the standard for larger capacity air requirements. All models are available in electric motor drive above 20 HP. Capacities range from 27.5 to 145.0 SCFM charging rate with discharge pressures up to 6000 PSIG.

### STANDARD FEATURES – 5000 PSIG

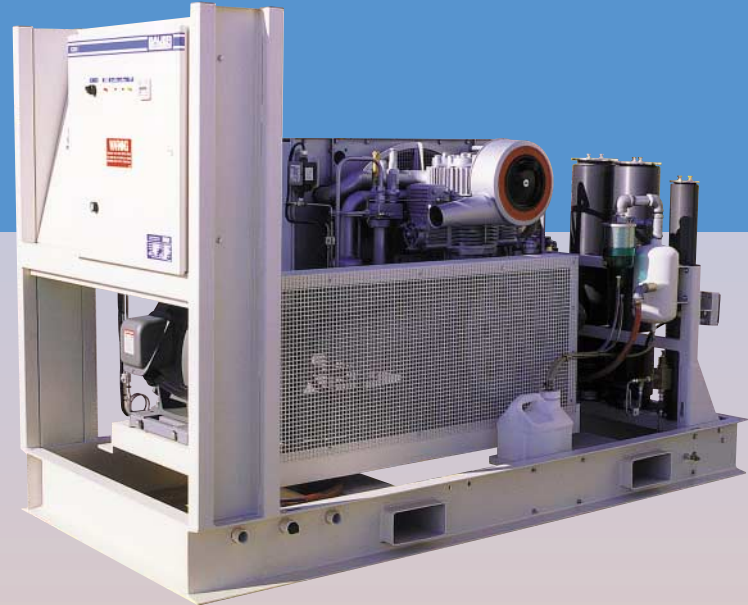
- BAUER Breathing Air Purification System
- Electric Motor
- Magnetic Motor Starter with Overload Protection and Manual Reset
- Gauge Panel
- Compressor High Temperature Shutdown and Panel Mounted Fault Light
- Panel Mounted Power-On Light
- Automatic Condensate Drain System with Reservoir
- Belt Guard Designed to Meet OSHA Specifications
- UL Listed Electrical Assembly

### 6000 PSI STANDARD FEATURES IDENTICAL TO 5000 PSI EXCEPT:

- SECURUS® Electronic Moisture Monitoring System (standard all models)

### OPTIONAL FEATURES – 5000/6000 PSI

- CO Monitor
- High-Low Fill Assembly
- Dual Pressure Switch
- Other Optional Features Available on Request



**K60-E3**  
Electric Motor Drive

MODEL	NUMBER OF STAGES	CHARGING RATE SCFM*	FAD **	HP	RPM	PURIFICATION SYSTEM	DIMENSIONS L - W - H INCHES	WEIGHT LBS.
<b>5000 PSI SERVICE</b>								
K36-E3	4	36.0	30.0	25.0	1000	P10	80 - 32 - 48	1100
K42-E3	4	42.0	35.0	30.0	1300	P10	80 - 32 - 48	1200
K60-E3	4	60.0	50.0	40.0	1350	P12 SECURUS	92 - 44 - 60	2800
K80-E3	4	80.4	67.0	60.0	1225	P14 SECURUS	126 - 56 - 66	4000
K145-E3	4	145.0	121.0	100.0	1125	P14 SECURUS	126 - 56 - 66	5000
<b>6000 PSI SERVICE</b>								
H27-E3	4	27.5	23.0	25.0	1000	P10 SECURUS	80 - 32 - 48	1100
H35-E3	4	35.9	29.8	30.0	1200	P10 SECURUS	80 - 32 - 48	1200
H80-E3	5	80.4	67.0	60.0	1180	P14 SECURUS	114 - 56 - 66	4000
H96-E3	5	96.0	80.0	75.0	1100	P14 SECURUS	114 - 56 - 66	4500
H132-E3	5	132.0	110.0	100.0	1500	P14 SECURUS	114 - 56 - 66	5000

\*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.

\*\*Compressor capacity referenced to standard inlet conditions.

E3 = Three Phase Electric, 230/460 VAC/60 Hz.

Other voltages available on request.

Dimensions and weights are approximate and are subject to change.

# MOBILE TRUCK SYSTEMS

5000/6000 PSIG – ELECTRIC MOTOR DRIVE

## MODULAR SKIDS FOR MOBILE INSTALLATIONS

We offer complete compressor/purification/storage skids for mobile installations. Skid size, control panels and fill panels are designed to meet your specific size and cooling requirements. Each truck system is designed to fit your needs. Our design quotations are based on response to specific truck drawings only.



Front View

**TM25-E3**  
Electric Motor Drive



**CFS II-2S**



Back View

- SECURUS®  
Electronic Moisture  
Monitoring System
- BAUER Breathing  
Air Purification System
- K18.111  
Five Stage  
BAUER Compressor

ASME 6000 PSI  
Air Storage

Hammer Tone Gray Finish  
compliments most Mobile  
Truck System interior  
compartments

**BAUER Offers Alternate Systems Supplied as Single Elements for Mobile Installation**

# ENGINE DRIVEN

## 5000/6000 PSIG – OPEN HORIZONTAL

The **HORIZONTAL ENGINE DRIVE COMPRESSOR** for recharging SCBA or SCUBA cylinders combines compressor, purification system, and engine drive in frame designs specific to the requirements of the engine drive/compressor block assembly.



**H10-D**  
Electric Motor Drive



**H25-D**  
Electric Motor Drive

MODEL	NUMBER OF STAGES	CHARGING RATE SCFM*	FAD **	HP	RPM	PURIFICATION SYSTEM	DIMENSIONS L - W - H INCHES	WEIGHT LBS.
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### THREE STAGE – 5000 PSI SERVICE

CII-G	3	6.0	5.0	5.0	1250	P0	52 - 32 - 31	400
CII-D	3	6.0	5.0	6.0	1250	P0	52 - 32 - 31	430
MII-G	3	8.4	7.0	8.0	1250	P31	52 - 32 - 31	415
MII-D	3	8.4	7.0	10.0	1250	P31	52 - 32 - 31	445

### FOUR STAGE – 5000 PSI SERVICE

K20-G	4	21.0	17.5	20.0	1300	P4	63 - 49 - 46	1500
K20-D	4	21.0	17.5	27.0	1300	P4	63 - 49 - 46	1500
K26-D	4	26.4	22.0	27.0	1350	P5	63 - 49 - 46	1500
K42-D	4	42.0	35.0	44.0	1300	P10	95 - 52 - 49	3200
K60-D	4	60.0	50.0	60.0	1350	P12 SECURUS	112 - 52 - 53	3750

### THREE / FOUR / FIVE STAGE – 6000 PSI SERVICE

H5-G	3	5.0	4.0	5.0	1050	P2 SECURUS	52 - 32 - 38	475
H5-D	3	5.0	4.0	6.0	1050	P2 SECURUS	52 - 32 - 38	480
H10-G	4	9.7	8.1	11.0	1180	P2 SECURUS	52 - 32 - 38	650
H10-D	4	9.7	8.1	10.0	1180	P2 SECURUS	52 - 32 - 38	650
H13-G	4	13.0	10.8	13.0	1420	P2 SECURUS	52 - 32 - 38	700
H13-D	4	13.0	10.8	18.0	1420	P2 SECURUS	63 - 49 - 46	1300
H19-D	5	19.2	16.0	27.0	1050	P5 SECURUS	63 - 49 - 46	1500
H25-D	5	25.2	21.0	27.0	1300	P5 SECURUS	63 - 49 - 46	1500
H35-D	4	35.9	29.8	44.0	1200	P10 SECURUS	95 - 52 - 49	3200

\*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.

\*\*Compressor capacity referenced to standard inlet conditions.

G = Gasoline Engine D = Diesel Engine Alternate drives available.

Dimensions and weights are approximate and are subject to change.

### STANDARD FEATURES – THREE STAGE

- High Temperature Shutdown Switch (*gas drive*)
- BAUER Breathing Air Purification System
- YANMAR Air Cooled Diesel
- PLC Control and Centrifugal Clutch (*when you opt for electric start package*)

### ADD TO ABOVE

- High Temperature Switch (*diesel drive*)
- Final Air Pressure Switch
- Gauge Panel including hourmeter
- Electric Start Package with Speed Control Solenoid
- MITSUBISHI Water Cooled Engine
- PLC with NEMA 4 Enclosure
- Electric Clutch, Oil Switch and Hourmeter
- Automatic Condensate Drain (*standard K26/K42/K60*)

### ALL OF THE ABOVE... PLUS

- SECURUS® Electronic Moisture Monitoring System
- Automatic Condensate Drain (*all models*)

# SCBA FILL STATIONS

## SYSTEM COMPONENTS

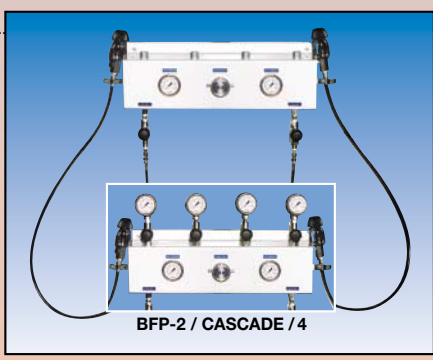
### CONTAINMENT FILL STATIONS-STATIONARY & MOBILE

BAUER offers only *Independently Tested Containment Fill Stations* which were found to protect the operator from overpressure and fragmentation per NFPA 1901.



MODEL	DIMENSIONS L - W - H	WEIGHT LBS.
CFSII-1S	18 - 21 - 55	433
CFSII-1M	18 - 21 - 39	360
CFSII-2S	30 - 21 - 53	670
CFSII-2M	30 - 21 - 39	550
CFSII-3S	41 - 21 - 53	905
CFSII-3M	41 - 21 - 39	740

- 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)
- CFSII M Versions Designed for Use with Remote Air Distribution Panel
- Mounting Base is Standard on "S" Version and Optional on "M" Version



### CONVERTIBLE FILL PANELS

**BFP – Basic Fill Panel** Designed for **Conversion to a Cascade Panel**. Suitable for Wall Mounting or for Attachment to DOT or ASME Storage Cylinders. Includes an Adjustable Regulator, Inlet/Outlet Gauges, Relief Valve, Fill Control Valves and Inlet Port for Storage Refill. (Available with Two or Four Fill Whips.)

**BFP/CSCD – the Designation for Cascade Fill** Includes a Shut-Off Valve and Gauge for up to Four Banks of Storage. This Feature can be Factory Installed or Easily Added Later by the User.

**BFP-2 BASIC FILL PANEL**  
Shown with Two Fill Whips and SCUBA Connectors



### BRIEFCASE FILL PANELS

Available in High and Low Pressure Versions Supplied in Lockable Carrying Case.

**HIGH PRESSURE BRIEFCASE FILL**  
21.5"L - 9"W - 15"H



### WALL MOUNT FILL CONTROL PANEL

**BF450-FCP** Four Bank Fill Control Panel for Dual Function Cascade Control. Panel includes Adjustable Regulator, Air Inlet and Outlet Gauges, Fill Control Valves, Bank Valves and Gauges, and an Air Direction Valve allowing Single Point Air Management.

**BF450-FCP**  
18"L - 12"W - 38"H

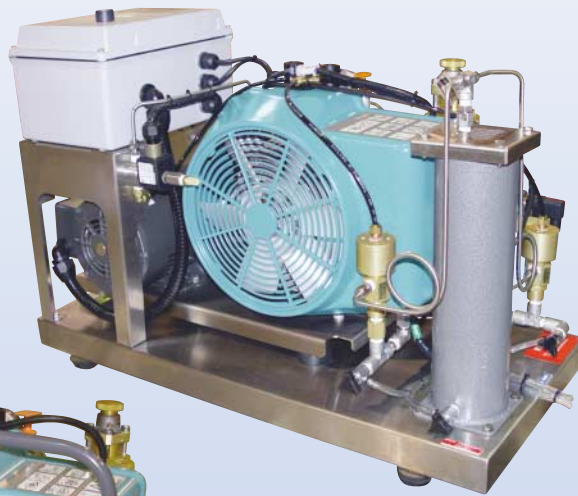
# DIVERS CHOICE

## LIGHTWEIGHT PORTABLES

### JUNIOR II

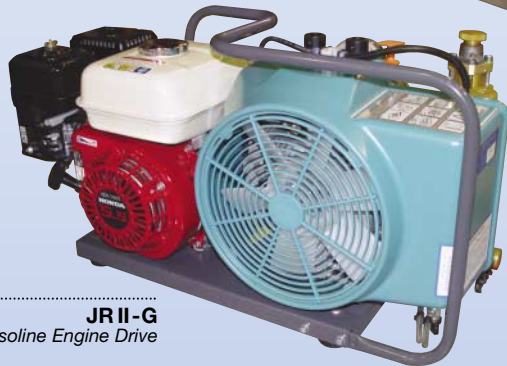
**JUNIOR II** lightweight portables, complete with air purification system and fill hose, are safe, reliable three stage compressors designed for serious sport divers.

Available in single phase 115/230 VAC and three phase 230/460 VAC electric motor and gasoline engine drive. Capacities range from 2.9 to 4.3 SCFM charging rate.



**JR II-EY**  
Electric Motor Drive  
Yachting Package

Supplied with Heavy Duty Stainless Steel Base, Stainless Steel Inner Frame, Stainless Steel Fittings, Magnetic Starter, Power-On Light, High Temperature Switch, Final Pressure Switch, Hourmeter, On/Off Switch, Automatic Condensate Drain and NEMA 4X Enclosure.



**JR II-G**  
Gasoline Engine Drive



**JR II-E1**  
Electric Motor Drive

#### STANDARD FEATURES

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

#### OPTIONAL FEATURES

- Visual CO/Moisture Monitor Indicator
- Final Pressure Switch for Gasoline Engine
- Hourmeter/Tachometer (gasoline engine drive)

**Note: JR II is Designed for Filling an Individual SCUBA or SCBA. It is Neither Designed nor Intended for Filling Cascade Storage Systems of Any Kind.**

MODEL	CHARGING RATE SCFM*	FAD **	HP	RPM	DIMENSIONS L - W - H	WEIGHT LBS.
JR II-E1/115	2.9	2.5	2.0	1500	26 - 14 - 17	92
JR II-E1	3.9	3.2	3.0	2100	26 - 14 - 17	89
JR II-E3	3.9	3.2	3.0	2100	27 - 14 - 17	111
JR II-G	4.3	3.6	5.0	2300	30 - 14 - 17	92
JR II-E1Y/115	2.9	2.5	2.0	1500	32 - 18 - 23	130
JR II-E1Y	3.9	3.2	3.0	2100	32 - 18 - 23	130
JR II-E3Y	3.9	3.2	3.0	2100	32 - 18 - 23	130

\*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.

\*\*Compressor capacity referenced to standard inlet conditions.

E1/115 = Single Phase Electric, 115 VAC/60 Hz

E1 = Single Phase Electric, 230 VAC/60 Hz

E3 = Three Phase Electric, 230/460 VAC/60 Hz

Y = Yachting Package G = Gasoline

Dimensions and weights are approximate and are subject to change.

# Purely the Right Choice...

# 5000 PSI SERVICE – ALTERNATIVE DESIGN PORTABLES

## OCEANUS

### STANDARD FEATURES

- BAUER P0 Breathing Air Purification System
- 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
- High Temperature Switch (OCEANUS-G)
- Corrosion-Resistant Coolers
- Inlet Filter
- Vibration Isolators
- 5 Foot Fill Hose Assembly with SCUBA Yoke, Bleed Valve and Pressure Gauge
- Stainless Steel Frame

### OPTIONAL FEATURES

- Visual CO/Moisture Monitor
- Final Pressure Switch for Gasoline Engine
- Hourmeter/Tachometer (gasoline drive units)



**Oceanus-G**  
Gasoline Engine Drive

MODEL	CHARGING RATE SCFM*	FAD **	HP	RPM	DIMENSIONS L - W - H	WEIGHT LBS.
OCEANUS-E1	4.9	4.1	5.0	2150	26 - 17 - 17	111
OCEANUS-E3	4.9	4.1	5.0	2150	26 - 17 - 17	120
OCEANUS-G	4.9	4.1	5.0	2150	30 - 14 - 17	96

## CAPITANO II and MARINER II

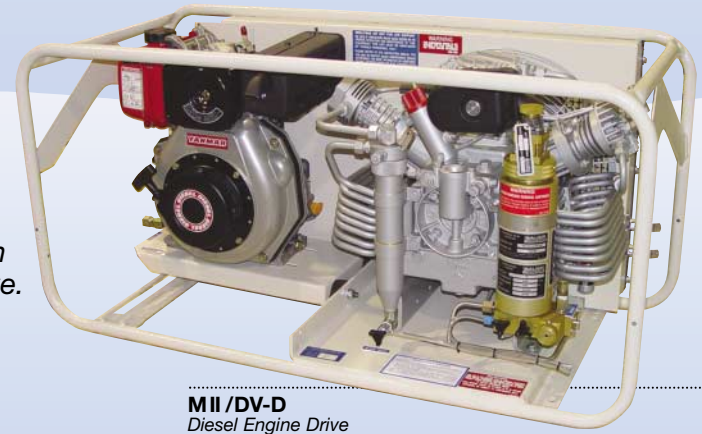
Three stage, heavy duty portable models are available in a choice of electric motor, gasoline or diesel engine drive.

### STANDARD FEATURES

- BAUER P0 Breathing Air Purification System
- Final Pressure Switch (DV-E)
- Stainless Steel Intercoolers and Aftercooler
- Inlet Filter with Flexible Intake Hose on all DV Engine Drive
- Vibration Isolators
- High Temperature Switch (DV-E and DV-G)
- Motor Starter with NEMA 12/13 Enclosure (E/DV)
- HONDA Gasoline Engine (DV-G)
- YANMAR Diesel Engine (DV-D)
- 5 Foot Fill Hose Assembly with SCUBA Yoke, Bleed Valve and Pressure Gauge

### OPTIONAL FEATURES

- Visual CO/Moisture Monitor
- Final Pressure Switch for Gasoline Engine
- Hourmeter/Tachometer (gasoline engine drive units)
- Vibration Type Hourmeter (diesel engine drive units)
- Purification Upgrade to P31



**MII/DV-D**  
Diesel Engine Drive

MODEL	CHARGING RATE SCFM*	FAD **	HP	RPM	DIMENSIONS L - W - H	WEIGHT LBS.
C II /DV-E1/E3	6.0	5.0	5.0	1250	46 - 22 - 24	280
C II /DV-G	6.0	5.0	5.0	1250	46 - 22 - 24	237
C II /DV-D	6.0	5.0	6.0	1250	46 - 22 - 24	277
M II /DV-E1/E3	8.4	7.0	7.5	1250	46 - 22 - 24	285
M II /DV-G	8.4	7.0	8.0	1250	46 - 22 - 24	260
M II /DV-D	8.4	7.0	6.0	1250	46 - 22 - 24	278

\*Based on recharging an 80 cubic foot tank from 500 to 3000 PSIG.  
\*\*Compressor capacity referenced to standard inlet conditions.

E1 = Single Phase Electric, 230 VAC/60 Hz    E3 = Three Phase Electric, 230/460 VAC/60 Hz  
G = Gasoline    D = Diesel

Other voltages and frequencies available on request

Dimensions and weights are approximate and are subject to change.

# ACCESSORIES

## SYSTEM COMPONENTS

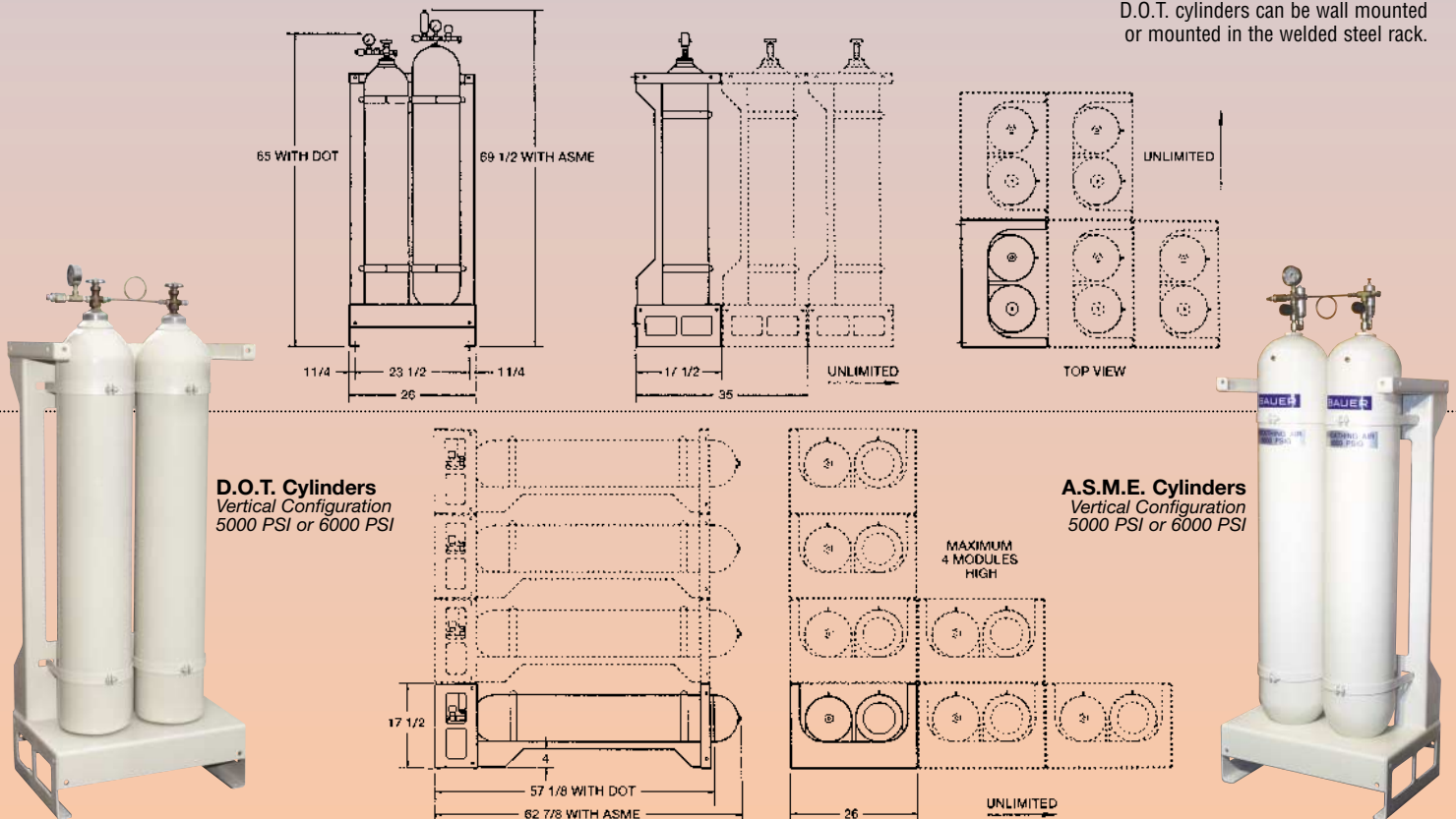
### AIR STORAGE

**BAUER High Pressure Air Storage Systems** meet the code requirements of either the Department of Transportation or the American Society of Mechanical Engineers. Storage systems are available with 5000 PSI and 6000 PSI DOT cylinders or 5250/7000 PSI dual rated ASME cylinders. Optional mounting racks are available.

- ASME vessels with working pressures of 5000 PSI, have a safety factor of 4 to 1.
- ASME vessels with working pressures of 6000 PSI, have a safety factor of 3 to 1.

VESSEL	DOT 5000 PSI	DOT 6000 PSI	ASME 5000 PSI	ASME 6000 PSI
<b>MATERIAL</b>	Lightweight Steel Alloy	Lightweight Steel Alloy	Steel ASME SA 372 Class V Type A AISI 4130	Steel ASME SA 372 Class V Type A AISI 4130
<b>CAPACITY</b>	486 scf @ 5000 PSI	509 scf @ 6000 PSI	436 scf @ 5000 PSI	491 scf @ 6000 PSI
<b>WORKING PRESSURE</b>	5000 PSI	6000 PSI	5000 PSI	6000 PSI
<b>TEST PRESSURE</b>	7500 PSI	9000 PSI	7875 PSI	10,500 PSI
<b>DIAMETER</b>	9 3/8"	9 9/32"	9 5/8"	9 5/8"
<b>HEIGHT</b>	55" with Valve	55" with Valve	54" without Valve	54" without Valve
<b>WEIGHT</b>	175 lbs.	188 lbs.	400 lbs.	400 lbs.
<b>CYLINDER VALVE</b>	CGA	DF	Standard Valve Supplied	Standard Valve Supplied
<b>FINISH</b>	Primer and Topcoat	Primer and Topcoat	Primer and Topcoat	Primer and Topcoat

D.O.T. cylinders can be wall mounted or mounted in the welded steel rack.



**D.O.T. Cylinders**  
Vertical Configuration  
5000 PSI or 6000 PSI

**A.S.M.E. Cylinders**  
Vertical Configuration  
5000 PSI or 6000 PSI

# ACCESSORIES

## SYSTEM COMPONENTS

### AIR PURIFICATION

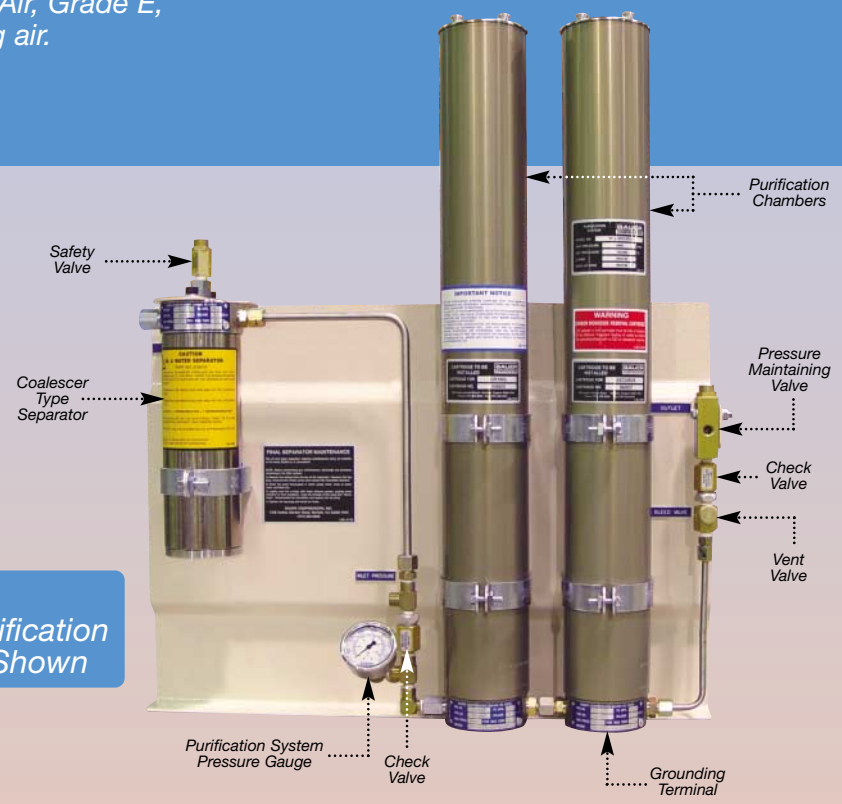
*BAUER Air Purification Systems purify high pressure air to a quality that meets or exceeds the requirements of CGA Pamphlet G-7, Compressed Air for Human Respiration, ANSI/CGA G-7.1, Commodity Specification for Air, Grade E, and all other recognized standards for breathing air.*

#### UP TO 6000 PSI SERVICE

PURIFICATION SYSTEM	AIR PROCESSING CAPABILITY*
P0**	3,200 cu. ft.
P2	40,000 cu. ft.
P2 SECURUS	67,000 cu. ft.
P4	60,000 cu. ft.
P5	90,000 cu. ft.
P5 SECURUS	150,000 cu. ft.
P10	140,000 cu. ft.
P10 SECURUS	230,000 cu. ft.
P12 SECURUS*	420,000 cu. ft.
P14 SECURUS*	650,000 cu. ft.

PURIFICATION SYSTEM	AIR PROCESSING CAPABILITY*
P31**	11,760 cu. ft.
P41	28,700 cu. ft.
P41S	47,000 cu. ft.
P42	64,000 cu. ft.
P42S	107,000 cu. ft.
P43	100,000 cu. ft.
P43S	164,000 cu. ft.

**P5**  
Air Purification Panel Shown



\* P12 and P14 only available with SECURUS.  
 \* Air Processing Capability based on standard inlet conditions, 68° F., a Pressure of 14.70 psia and a relative humidity of 36% (0.0750 density).  
 \*\* 5000 PSI Maximum Pressure, Triplex Design is not incorporated on a panel.

### SECURUS® – the Patented Purification Moisture Monitoring System for Pure Breathing Air



**SECURUS®** ensures 100% utilization of the air processing cartridges because the moisture sensor is embedded directly in the molecular sieve. The SECURUS cartridge, with its moisture sensor, is the last cartridge in the air processing system. SECURUS requires 115V or 12V systems available electrical power for operation and connection to the compressor's control panel or to the SECCANT controller for automatic warning and shutdown when the SECURUS cartridge becomes saturated. The SECURUS display can be mounted locally to the SECURUS cartridge chamber or to the compressor's control panel. SECURUS is available for working pressures from 2000 – 6000 PSIG and flow rates to 125 SCFM.

© U.S. Patent Number 4,828,589

# The Company

**BAUER**  
**COMPRESSORS**

BAUER has manufactured high pressure compressors for over 50 years. From our humble beginnings in the BAUER family home in Munich, Germany in 1946 to our current status as an industry leader, BAUER has earned its reputation as the world's foremost innovative designer and manufacturer of high pressure compressors and purification systems. Since its inception BAUER has expanded internationally with offices in Italy, Japan, Hong Kong, Singapore, Austria, England, France and the United States. The U.S. facility, BAUER COMPRESSORS, INC. of Norfolk, Virginia, was founded in 1976.

BAUER Norfolk has experienced continued growth in sales and has expanded to our present 115,000 square foot facility. BAUER Norfolk is headquarters for branch offices in Miami, Los Angeles, San Francisco and Detroit. We are specialists in the markets of high pressure breathing air, industrial air, plastics technology, natural gas and inert gas compression.



BAUER compressors for breathing air applications are available with capacities from 2.9 – 140 SCFM charging rate with working pressures up to 6000 PSIG and power requirements from 3 – 100 HP.



BAUER COMPRESSORS, INC. Norfolk, Virginia USA

BAUER Breathing Air Products Division will continue to grow... because we will continue to provide the highest quality compressors, purification and fill station systems in the world.

**BAUER BREATHING AIR...  
PURELY THE RIGHT CHOICE**

[www.bauercomp.com](http://www.bauercomp.com)

## BAUER COMPRESSORS Inc.

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Telefax: (757) 857-1041  
E-Mail: [sls@bauercomp.com](mailto:sls@bauercomp.com)



BAUER  
COMPRESSORS, INC.  
Norfolk, Virginia is  
registered to ISO 9001

BAFD117.06.05.5sp Subject to modification without notice.

## BAUER COMPRESSORS MIAMI

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