

SYSTEMS

SERVICE

TRAINING

WORLDWIDE

BREATHING AIR CATALOG

We Can Fill Your Needs



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› Purely the right choice

MISSION STATEMENT

To be the global leader by supplying the best quality product while continuously improving through innovation.

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PORTABLES

3-Stage High Pressure Breathing Air Compressors

- › **Pressure**
5000 psig
345 bar
- › **Charging Rate**
2.9 to 4.9 scfm
82 to 139 l/min
- › **Power**
2 to 6 hp
1.5 to 4.5 kW



JUNIOR II and OCEANUS, 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, gasoline or diesel engine drive.

Portables

STANDARD SCOPE OF SUPPLY

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

Oceanus Models (add to above)

- › Sturdy, long lasting low pressure oil pump
- › Large oil sump allows shipboard inclination of 30° (20° G drive)
- › Capable of filling / maintaining up to a two cylinder 5000 psig DOT storage system
- › Corrosion-resistant coolers and stainless steel frame

AVAILABLE ACCESSORIES (factory installed)

- › Visual CO/Moisture monitor indicator
- › Final pressure switch for gasoline engine
- › Hourmeter / Tachometer (G drive)
- › HONDA gasoline engine

Oceanus Models (add to above)

- › Visual CO/Moisture monitor
- › Available with automatic condensate drain and final air pressure switch shutdown

DIMENSIONS L x W x H inches (mm)

- › JUNIOR II 42 x 19 x 23 (1067 x 483 x 584)
- › OCEANUS 32 x 18 x 23 (813 x 457 x 584)

WEIGHT pounds (kg)

- › JUNIOR II 89 - 165 (40 - 75)
- › OCEANUS 96 - 135 (44 - 61)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Motor		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
5000 psig (345 bar)								
JRII-E1/115	2.9	82	3	2	1.5	2.5	1500	PO
JRII-E1	3.9	110	3	3	2.2	3.2	2100	PO
JRII-E3	3.9	110	3	3	2.2	3.2	2100	PO
JRII-G	4.3	122	3	6	4.5	3.6	2300	PO
JRII-D	4.3	122	3	4	3	3.6	2300	PO
JRII-E1Y/115	2.9	82	3	2	1.5	2.5	1500	PO
JRII-E1Y	3.9	110	3	3	2.2	3.2	2100	PO
JRII-E3Y	3.9	110	3	3	2.2	3.2	2100	PO
OCEANUS-E1	4.9	139	3	5	3.7	4.1	2150	PO
OCEANUS-E3	4.9	139	3	5	3.7	4.1	2150	PO
OCEANUS-G	4.9	139	3	6	4.5	4.1	2150	PO
OCEANUS-E1Y	4.9	139	3	5	3.7	4.1	2150	PO
OCEANUS-E3Y	4.9	139	3	5	3.7	4.1	2150	PO

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

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

E1/115 = Single phase electric, 115 VAX/60 Hz E1 = Single phase electric, 230 VAC/60 Hz. E3 = Three phase electric, 230/460 VAC/60 Hz.

G = Gasoline engine drive, SUBARU D = Diesel engine drive, YANMAR Y = Yachting package Dimensions and weight are approximate and are subject to change.

DIVE MATE

3 and 4-Stage High Pressure Breathing Air Compressors

› **Pressure**

up to 6000 psig
up to 414 bar

› **Charging Rate**

6 to 9.7 scfm
170 to 275 l/min

› **Power**

5 to 13.5 hp
3.7 to 10 kW



Our DIVE MATE takes portable breathing air compressors to a new level!

Complete with air purification, 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.

Dive Mate

STANDARD SCOPE OF SUPPLY

- › Available in three sizes:
 - Electric motor, single phase or three phase
 - Gasoline engine
 - Diesel engine (DMT 08)
- › Inlet filter
- › Stainless steel intercoolers and aftercooler
- › High temperature switch (except D drive)
- › Vibration isolators
- › P0 Purification (DMT 06),
P31 Purification (except DMT 06)
- › Low oil pressure switch (electric and engine drive with electric start)

Electric Models

- › Motor starter with NEMA 4 enclosure
- › Hourmeter
- › Pressure switch

AVAILABLE ACCESSORIES (factory installed)

- › Interstage gauges
- › Purification upgrades to P41
- › Automatic condensate drain (electric version and engine drive with electric start)
- › Pressure switch (G drive)
- › Electric start (DMT 08-G/D, DMT 10-G)
- › Hourmeter for engine drive
- › CO monitor
- › 50 Hz electrical system

AVAILABLE ACCESSORIES (dealer/customer installed)

- › B-Timer with P0 and P31
- › Lift handles
- › Tubular frame
- › Wheels (lift handles or tubular frame required)
- › Riser feet for in-house applications (electric drive only)

DIMENSIONS L x W x H inches (mm)

- › 43 x 24 x 27 (1092 x 609 x 686)

WEIGHT pounds (kg)

- › 300 - 400 (136 - 181)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Motor		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
5000 psig (345 bar)								
DMT06-E1/E3	6	170	3	5	3.7	5	1050	P0
DMT06-GS	6	170	3	6	4.5	5	1050	P0
DMT08-E1/E3	8.4	238	3	7.5	5.6	7	1250	P31
DMT08-GS	8.4	238	3	9	6.7	7	1250	P31
DMT08-DY	8.4	238	3	6.4	4.7	7	1250	P31
5000 psig (345 bar) - 6000 psig (414 bar) capable with purification upgrade to P41								
DMT10-E1/E3	9.7	275	4	7.5	5.6	8.1	1180	P31
DMT10-GS	9.7	275	4	13.5	10	8.1	1180	P31

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

E1 = Single phase electric, 230 VAC/60 Hz. E3 = Three phase electric, 230/460 VAC/60 Hz. Other voltages available on request.

GS = Gasoline engine drive, SUBARU DY = Diesel engine drive, YANMAR Dimensions and weight are approximate and are subject to change.

BASIC PACKAGE II

3, 4 and 5-Stage High Pressure Breathing Air Compressors

- › **Pressure**
up to 6000 psig
up to 414 bar
- › **Charging Rate**
5 to 26.4 scfm
142 to 748 l/min
- › **Power**
5 to 20 hp
3.7 to 15 kW



When your needs dictate a rugged, performance proven package think of BAUER.

Our BASIC PACKAGE line of compressors is designed for the application that requires a horizontal configuration built around our line of multi-stage aircooled compressors and breathing air purification systems. An entry level price point, with many optional upgrades, will satisfy most requirements while also bringing value into the decision making process. Think value, think BAUER.

Basic Package II

STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system
- › Modern cabinet design with unsurpassed maintenance accessibility. No hand tools are required for normal maintenance checks and fluid level confirmation.
- › BAUER PLC based controller with four line text display
- › NEMA 4 rated enclosure with hourmeter and **UL**® listed electrical assembly
- › All wiring harnesses incorporated within a corrugated loom with number coding for easy system diagnosis
- › Compressor low oil pressure and high pressure safety shutdowns
- › Emergency stop push button
- › .049 wall thickness stainless steel tubing throughout, no cheap plastic tubing
- › Rugged powder coat finish
- › Automatic condensate drain system (BP11-05, BP11-18, BP11-25, and BP11-26)

PLC controller

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

AVAILABLE ACCESSORIES (factory installed)

- › Purification upgrade
- › CO monitor
- › SECURUS
- › Interstage pressure gauges (locally mounted)
- › Other accessories available on request

DIMENSIONS L x W x H inches (mm)

- › 61 x 30 x 45 (1550 x 762 x 1143)

WEIGHT pounds (kg)

- › 700 - 1075 (318 - 488)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Motor		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
5000 psig (345 bar)								
BP11-06-E1/E3	6	170	3	5	3.7	5	1050	P0
BP11-08-E1/E3	8.4	238	3	7.5	5.6	7	1250	P31
BP11-20-E3	21	595	4	15	11	17.5	1300	P5
BP11-26-E3	26.4	748	4	20	15	22	1350	P5
6000 psig (414 bar)								
BP11-05-E1/E3	5	142	3	5	3.7	4	1050	P2 SECURUS
BP11-10-E1/E3	9.7	275	4	7.5	5.6	8.1	1180	P2
BP11-13-E1/E3	13	368	4	10	7.5	10.8	1420	P2
BP11-18-E3	18	510	4	15	11	15	1325	P5
BP11-25-E3	25.2	714	5	20	15	21	1300	P5

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

E1 = Single Phase Electric, 230 VAC/60 Hz. E3 = Three Phase Electric, 230/460 VAC/60 Hz. Other voltages available on request.

Dimensions and weight are approximate and are subject to change.

VERTECON

3, 4 and 5-Stage High Pressure Breathing Air Compressors

- › **Pressure**
up to 6000 psig
up to 414 bar
- › **Charging Rate**
5 to 26.4 scfm
142 to 748 l/min
- › **Power**
5 to 20 hp
3.7 to 15 kW



Introducing the VERTECON series of high pressure breathing air compressors from the world leader in safe, high pressure breathing air systems.

Why buy dressed up old compressor and cabinetry technology? Buy BAUER and get the latest technological advancements. The VERTECON design is economical, space saving, and allows easy access for routine maintenance.

Vertecon

STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system
- › Open vertical cabinet made of formed sheet and plate goods provides a firm foundation for all pressure bearing components
- › Modern cabinet design with unsurpassed maintenance accessibility. No hand tools are required for normal maintenance checks and fluid level confirmation.
- › BAUER PLC based controller with four line text display
- › Self adjusting drive belt tensioner
- › NEMA 4 rated electrical enclosure with **UL**® listed control panel
- › All wiring harnesses incorporated within a corrugated loom with number coding for easy system diagnosis
- › Emergency stop push button
- › .049 wall thickness stainless steel tubing throughout, no cheap plastic tubing
- › Rugged powder coat finish
- › Automatic condensate drain system (VTC05, VTC25 and VTC26 models)

PLC controller

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

AVAILABLE ACCESSORIES (factory installed)

- › Purification upgrade
- › CO monitor
- › SECURUS
- › Interstage pressure gauges (locally mounted)
- › Other accessories available on request

DIMENSIONS L x W x H inches (mm)

- › 44 x 33 x 54 (1118 x 838 x 1372)

WEIGHT pounds (kg)

- › 630 - 1075 (286 - 488)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Motor		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
5000 psig (345 bar)								
VTC06-E1/E3	6	170	3	5	3.7	5	1050	P0
VTC08-E1/E3	8.4	238	3	7.5	5.6	7	1250	P31
VTC20-E3	21	595	4	15	11	17.5	1300	P5
VTC26-E3	26.4	748	4	20	15	22	1350	P5
6000 psig (414 bar)								
VTC05-E1/E3	5	142	3	5	3.7	4	1050	P2 SECURUS
VTC10-E1/E3	9.7	275	4	7.5	5.6	8.1	1180	P2
VTC13-E1/E3	13	368	4	10	7.5	10.8	1420	P2
VTC18-E3	18	510	4	15	11	15	1325	P5
VTC25-E3	25.2	714	5	20	15	21	1300	P5

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

E1 = Single Phase Electric, 230 VAC/60 Hz. E3 = Three Phase Electric, 230/460 VAC/60 Hz. Other voltages available on request.

Dimensions and weight are approximate and are subject to change.

MINI AND MAXI VERTICUS

3, 4 and 5-Stage High Pressure Breathing Air Compressors

› Pressure

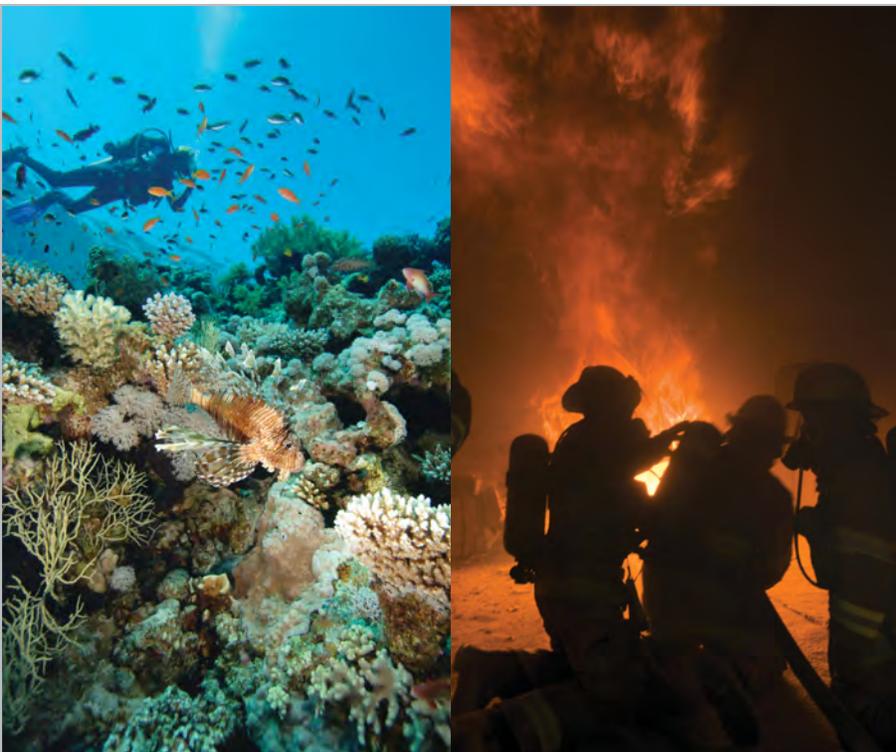
up to 6000 psig
up to 414 bar

› Charging Rate

5 to 42 scfm
142 to 1190 l/min

› Power

5 to 30 hp
3.7 to 22 kW



MINI VERTICUS and MAXI VERTICUS combine compressor, air purification, SECURUS electronic moisture monitoring system and motor in a space saving, sound attenuated vertical cabinet designed to diminish operating sound levels.

The MINI VERTICUS sound level is approximately 70 dBA and the MAXI VERTICUS is less than approximately 79 dBA (both at 3 ft / 1 meter distance).

Mini and Maxi Verticus

STANDARD SCOPE OF SUPPLY

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

Maxi Verticus Models (add to above)

- › Vertically hinged front operations panel and lift-off side maintenance access doors
- › Inlet filter maintenance indicator
- › Interstage pressure gauges (locally mounted)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Motor		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
5000 psig (345 bar)								
mVT6-E1/E3	6	170	3	5	3.7	5	1050	P2 SECURUS
mVT8-E1/E3	8.4	238	3	7.5	5.6	7	1250	P2 SECURUS
MVT20-E3	21	595	4	15	11	17.5	1300	P5 SECURUS
MVT26-E3	26.4	748	4	20	15	22	1350	P5 SECURUS
MVT42-E3 ³⁾	42	1190	4	30	22	35	1300	P10 SECURUS
6000 psig (414 bar)								
mVT5H-E1/E3	5	142	3	5	3.7	4	1050	P2 SECURUS
mVT10H-E1/E3	9.7	275	4	7.5	5.6	8.1	1180	P2 SECURUS
mVT13H-E1/E3	13	368	4	10	7.5	10.8	1420	P2 SECURUS
MVT18H-E3	18	510	4	15	11	15	1325	P5 SECURUS
MVT25H-E3	25.2	714	5	20	15	21	1300	P5 SECURUS
MVT35H-E3 ³⁾	35.9	1017	4	30	22	29.8	1200	P10 SECURUS

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

3) 30 hp units are in a cabinet other than depicted.

E1 = Single Phase Electric, 230 VAC/60 Hz. E3 = Three Phase Electric, 230/460 VAC/60 Hz. Other voltages available on request.

mVT = MINI VERTICUS MVT = MAXI VERTICUS Dimensions and weight are approximate and are subject to change.

AVAILABLE ACCESSORIES (factory installed)

Mini Verticus Models

- › Audible alarms for safety shutdowns
- › CO monitor
- › Interstage pressure gauges (locally mounted)

Maxi Verticus Models

- › Audible alarms for safety shutdowns
- › CO monitor with remote display

DIMENSIONS L x W x H inches (mm)

- › MINI VERTICUS 29 x 49 x 58 (737 x 1245 x 1473)
- › MAXI VERTICUS 44 x 52 x 72 (1118 x 1321 x 1830)

WEIGHT pounds (kg)

- › MINI VERTICUS 880 - 950 (400 - 432)
- › MAXI VERTICUS 1050 - 1530 (476 - 694)

OFFSHORE

4 and 5-Stage High Pressure Breathing Air Compressors

- › **Pressure**
up to 6000 psig
up to 414 bar
- › **Charging Rate**
9.7 to 26.4 scfm
275 to 748 l/min
- › **Power**
7.5 to 27 hp
5.6 to 20 kW



Harsh OFFSHORE environment eating up your compressors? BAUER has the solution! The OFFSHORE package; a unit designed specifically to combat the rigors encountered in off-shore use.

Offshore

STANDARD SCOPE OF SUPPLY

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

Diesel Engine Driven Models

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

AVAILABLE ACCESSORIES (factory installed)

- › Purification upgrade
- › CO monitor
- › SECURUS
- › Hydrogen sulfide monitor with audible alarm
- › Integrated safari rack

DIMENSIONS L x W x H inches (mm)

- › 62.5 x 57.5 x 48.5 (1588 x 1461 x 1232)

WEIGHT pounds (kg)

- › 1100 - 1200 (500 - 544)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Motor		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
5000 psig (345 bar)								
O20-D	21	595	4	27	20	17.5	1300	P5
O20-E3	21	595	4	15	11	17.5	1300	P5
O26-D	26.4	748	4	27	20	22	1350	P5
O26-E3	26.4	748	4	20	15	22	1350	P5
6000 psig (414 bar)								
O10-D	9.7	275	4	10	7.5	8.1	1180	P2
O10-E3	9.7	275	4	7.5	5.6	8.1	1180	P2
O13-D	13	368	4	18	13	10.8	1420	P2
O13-E3	13	368	4	10	7.5	10.8	1420	P2
O25-D	25.2	714	5	27	20	21	1300	P5
O25-E3	25.2	714	5	20	15	21	1300	P5

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

D = Diesel engine driven E3 = Three Phase Electric, 230/460 VAC/60 Hz. Other voltages available on request.

Dimensions and weight are approximate and are subject to change.

OPEN DESIGNS

4 and 5-Stage High Pressure Breathing Air Compressors

› **Pressure**

up to 6000 psig
up to 414 bar

› **Charging Rate**

35.9 to 145 scfm
1017 to 4106 l/min

› **Power**

30 to 100 hp
22 to 75 kW



Open packages in horizontal or vertical configurations combine compressor and air purification system in a space saving design.

These compressors set the standard for larger capacity air requirements.

Open Designs

STANDARD SCOPE OF SUPPLY

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

AVAILABLE ACCESSORIES (factory installed)

- › Purification upgrade
- › CO monitor
- › SECURUS (K42V-E3 and K42-E3 only)
- › Interstage pressure gauges (locally mounted)
- › Air storage and Containment Fill Stations allow for customization to meet specific requirements

DIMENSIONS L x W x H inches (mm)

- › VERTICAL 42 x 78 x 74 (1067 x 1981 x 1880)
- › HORIZONTAL 114 x 82 x 66 (2896 x 2083 x 1676)

WEIGHT pounds (kg)

- › VERTICAL 1200 - 2800 (544 - 1270)
- › HORIZONTAL 1200 - 5000 (544 - 2268)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Motor		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
5000 psig (345 bar)								
K42V-E3 ³⁾	42	1190	4	30	22	35	1300	P10
K42-E3 ³⁾	42	1190	4	30	22	35	1300	P10
K60V-E3	60	1700	4	40	30	50	1350	P12 SECURUS
K60-E3	60	1700	4	40	30	50	1350	P12 SECURUS
K80-E3	80.4	2277	4	60	45	67	1225	P14 SECURUS
K145-E3	145	4106	4	100	75	121	1125	P14 SECURUS
6000 psig (414 bar)								
H35V-E3	35.9	1017	4	30	22	29.8	1200	P10 SECURUS
H35-E3	35.9	1017	4	30	22	29.8	1200	P10 SECURUS
H80-E3	80.4	2277	5	60	45	67	1180	2x P10 SECURUS
H96-E3	96	2718	5	75	56	80	1100	2x P10 SECURUS

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

3) SECURUS electronic moisture monitoring is not standard.

E3 = Three Phase Electric, 230/460 VAC/60 Hz. Other voltages available on request.

KV / HV = VERTICAL K / H = HORIZONTAL Dimensions and weight are approximate and are subject to change.

ENGINE DRIVEN

4 and 5-Stage High Pressure Breathing Air Compressors

- › **Pressure**
up to 6000 psig
up to 414 bar
- › **Charging Rate**
13 to 60 scfm
368 to 1700 l/min
- › **Power**
13.5 to 60 hp
10 to 45 kW



The ENGINE DRIVEN compressor for recharging SCBA or SCUBA cylinders combines compressor, purification system and engine drive.

The frame's rugged design is specific to the requirements of the engine drive/compressor block assembly.

Engine Driven

STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system
- › BAUER PLC based controller with four line text display
- › NEMA 4 rated electrical enclosure with hourmeter
- › Compressor low oil pressure and high temperature safety shutdowns
- › Automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor. Automatic "Full" indication and compressor shutdown
- › Interstage pressure gauges
- › Electric start package including electric clutch and speed control solenoid

AVAILABLE ACCESSORIES (factory installed)

- › Audible alarms for safety shutdowns
- › CO monitor
- › Other accessories available on request

Diesel Drive Models

- › Closed loop water cooled diesel

DIMENSIONS L x W x H inches (mm)

- › H13-K26 63 x 49 x 46 (1600 x 1245 x 1168)
- › H35-K42 95 x 52 x 49 (2413 x 1320 x 1245)
- › K60 112 x 52 x 53 (2845 x 1320 x 1346)

WEIGHT pounds (kg)

- › 1300 - 3750 (590 - 1700)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Motor		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
5000 psig (345 bar)								
K20-D	21	595	4	27	20	17.5	1300	P5
K26-D	26.4	748	4	27	20	22	1350	P5
K42-D	42	1190	4	44	33	35	1300	P10
K60-D	60	1700	4	60	45	50	1350	P12 SECURUS
6000 psig (414 bar)								
H13-G	13	368	4	13.5	10	10.8	1420	P2 SECURUS
H13-D	13	368	4	18	13	10.8	1420	P2 SECURUS
H18-D	18	510	4	27	20	15	1325	P5 SECURUS
H25-D	25.2	714	5	27	20	21	1300	P5 SECURUS
H35-D	35.9	1017	4	44	33	29.8	1200	P10 SECURUS

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

G = Gasoline engine drive D = Diesel engine drive Alternate drives available.

Dimensions and weight are approximate and are subject to change.

MINI UNICUS

3 and 4-Stage High Pressure Breathing Air Compressors

- › **Pressure**
up to 6000 psig
up to 414 bar
- › **Charging Rate**
5 to 13 scfm
142 to 368 l/min
- › **Power**
5 to 10 hp
3.7 to 7.5 kW



MINI UNICUS is our budget minded integrated breathing air cylinder recharging system.

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

Mini Unicus

STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system with SECURUS
- › BAUER PLC based controller with multicolor touchpad display
- › NEMA 4 rated electrical enclosure with **UL**® listed control panel
- › Compressor low oil pressure and high temperature safety shutdowns
- › Emergency stop push button
- › Hinged fill control panel with Lexan laminate air flow/fill schematic
- › Priority refill system with storage bypass valve
- › Automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor. Automatic "Full" indication and compressor shutdown
- › Two (2) UN code stamped air cylinders installed in an integral rack
- › Sound attenuating enclosure with slam-action latches and lift-off type hinges
- › NFPA 1901 Compliant Two Position Containment Fill Station accommodates SCBA or SCUBA cylinders up to 31" overall length

AVAILABLE ACCESSORIES (factory installed)

- › CO monitor
- › Regulated (adjustable) remote fill hose connection to include high pressure hose reel and 75" of 6000 psig rated high pressure hose
- › ASME air storage cylinders in lieu of standard UN Bottles
- › Additional air storage cylinders
- › Regulated (adjustable) panel mounted remote fill hose connection

DIMENSIONS L x W x H inches (mm)

- › 72 x 34 x 70 (1830 x 864 x 1778)

WEIGHT pounds (kg)

- › 2180 - 2300 (990 - 1043)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Motor		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
5000 psig (345 bar)								
MINI-UNI/6-E1/E3	6	170	3	5	3.7	5	1050	P2 SECURUS
MINI-UNI/8-E1/E3	8.4	238	3	7.5	5.6	7	1250	P2 SECURUS
6000 psig (414 bar)								
MINI-UNI/5H-E1/E3	5	142	3	5	3.7	4	1050	P2 SECURUS
MINI-UNI/10H-E1/E3	9.7	275	4	7.5	5.6	8.1	1180	P2 SECURUS
MINI-UNI/13H-E1/E3	13	368	4	10	7.5	10.8	1420	P2 SECURUS

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

E1 = Single Phase Electric, 230 VAC/60 Hz. E3 = Three Phase Electric, 230/460 VAC/60 Hz. Other voltages available on request.

Dimensions and weight are approximate and are subject to change.

UNICUS III

4 and 5-Stage High Pressure Breathing Air Compressors

- › **Pressure**
up to 6000 psig
up to 414 bar
- › **Charging Rate**
9.7 to 42 scfm
275 to 1190 l/min
- › **Power**
7.5 to 30 hp
5.6 to 22 kW



UNICUS III cylinder recharging station is THE TOTAL SYSTEM for refilling high or low pressure SCBA or SCUBA cylinders.

The integrated system design combines a BAUER high pressure compressor, BAUER breathing air purification system, air storage system, cascade fill panel and containment fill station into one user friendly workstation. Independently tested for safety, a **UL[®]** listed electrical assembly and the proven reputation for superior performance makes the UNICUS III the most advanced fill station available!

Unicus III

STANDARD SCOPE OF SUPPLY

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

AVAILABLE ACCESSORIES (factory installed)

- › CO monitor
- › 75" high pressure cabinet enclosed hose reel
- › Additional air storage cylinders
- › Panel mounted remote fill hose connection

DIMENSIONS L x W x H inches (mm)

- › UN III/10H-E1/E3 - UN III/26-E3
90 x 36 x 77 (2286 x 914 x 1956)
- › UN III/42-E3 and UN III/35H-E3
102 x 50 x 77 (2591 x 1270 x 1956)

WEIGHT pounds (kg)

- › UN III/10H-E1/E3 - UN III/26-E3 3350 - 3695 (1520 - 1676)
- › UN III/42-E3 and UN III/35H-E3 5500 (2495)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Motor		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
5000 psig (345 bar)								
UN III/20-E3	21	595	4	15	11	17.5	1300	P5 SECURUS
UN III/26-E3	26.4	748	4	20	15	22	1350	P5 SECURUS
UN III/42-E3	42	1190	4	30	22	35	1300	P10 SECURUS
6000 psig (414 bar)								
UN III/10H-E1/E3	9.7	275	4	7.5	5.6	8.1	1180	P2 SECURUS
UN III/13H-E1/E3	13	368	4	10	7.5	10.8	1420	P2 SECURUS
UN III/18H-E3	18	510	4	15	11	15	1325	P5 SECURUS
UN III/25H-E3	25.2	714	5	20	15	21	1300	P5 SECURUS
UN III/35H-E3	35.9	1017	4	30	22	29.8	1200	P10 SECURUS

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

E1 = Single Phase Electric, 230 VAC/60 Hz. E3 = Three Phase Electric, 230/460 VAC/60 Hz. Other voltages available on request.

Dimensions and weight are approximate and are subject to change.

TCOM LITE

4 and 5-Stage High Pressure Mobile Breathing Air Recharging Systems

- › **Pressure**
6000 psig
414 bar
- › **Charging Rate**
13 and 25.2 scfm
368 and 714 l/min
- › **Power**
18 and 27 hp
13.4 and 7.5 kW



If your needs do not require the amenities of the full-sized TCOM look to the TCOM LITE.

Designed and manufactured by BAUER for the budget minded customer, the TCOM LITE utilizes a multi-stage air cooled compressor coupled to a water-cooled diesel engine. Our aesthetically pleasing enclosure encompasses the compressor system from inclement weather and road debris and the heavy-duty frame provides a firm foundation for up to four air storage cylinders. The single axle design enhances mobility with most smaller vehicles.

Tcom Lite

STANDARD SCOPE OF SUPPLY

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

AVAILABLE ACCESSORIES (factory installed)

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

DIMENSIONS L x W x H inches (mm)

- › 144 x 77 x 72 (3658 x 1956 x 1830)

WEIGHT pounds (kg)

- › 5400 (2450)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Diesel Engine		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
6000 psig (414 bar)								
TCL-13H	13	368	4	18	13.4	10.8	1420	P5 SECURUS
TCL-25H	25.2	714	5	27	7.5	21	1300	P5 SECURUS

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

Image shown with additional accessories.

Dimensions and weight are approximate and are subject to change.

TCOM TRAILER

4 and 5-Stage High Pressure Mobile Breathing Air Recharging Systems

- › **Pressure**
6000 psig
414 bar
- › **Charging Rate**
13 and 25.2 scfm
368 and 714 l/min
- › **Electric Motor**
10 and 20 hp
7.5 and 15 kW
- › **Diesel Engine**
27 and 37 hp
20 and 27 kW



When your needs require a rugged trailer built for the fire service, rather than a cheap lightweight imitation, look to BAUER.

Our TCOM TRAILER designs are powered by a unique diesel/electric dual drive system. Each system is equipped with a two position containment fill station, an enclosed fill control panel, four ASME storage cylinders and integral SCBA storage for up to twelve SCBA cylinders all incorporated onto a heavy duty frame built by BAUER.

Tcom Trailer

STANDARD SCOPE OF SUPPLY

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

AVAILABLE ACCESSORIES (factory installed)

- › **Option Package A** - Telescoping light mast with four (4) 500 watt fixtures, snorkel tube for compressor air inlet integrated with light mast and 7500 watt auxiliary generator
- › **Option Package B** - Spare tire and wheel chocks with fender well storage
- › **Option Package C** - 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

DIMENSIONS L x W x H inches (mm)

- › 200 x 90 x 105 (5080 x 2286 x 2267)

WEIGHT pounds (kg)

- › 8400 (3810)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Electric Motor/ Diesel Engine		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
6000 psig (414 bar)								
Tcom-13H	13	368	4	10 / 27	7.5 / 20	10.8	1420	P5 SECURUS
Tcom-25H	25.2	714	5	20 / 37	15 / 27	21	1300	P5 SECURUS

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

Image shown with additional accessories.

Dimensions and weight are approximate and are subject to change.

AIR STORAGE

UN and ASME Storage Systems

› Pressure

5000 psig (345 bar)
6000 psig (414 bar)

› Configuration

Vertical
Horizontal

› Storage

Bulk
Bank

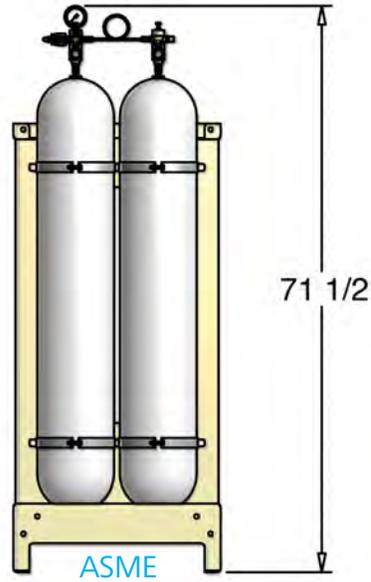
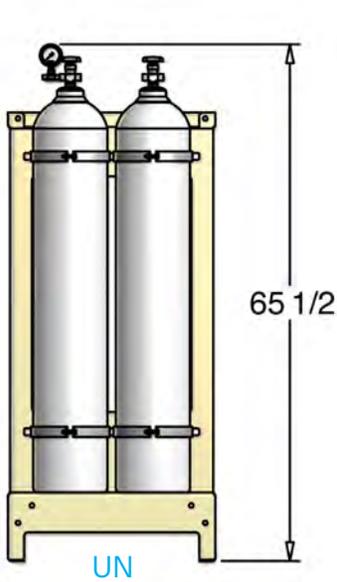


BAUER high pressure air storage systems meet the code requirements of either the United Nations Model Regulations or the American Society of Mechanical Engineers.

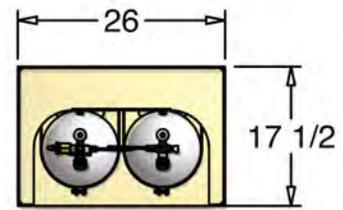
UN and ASME storage cylinders and storage systems are offered for 5000 and 6000 psig applications. Optional mounting racks are available.

AIR STORAGE

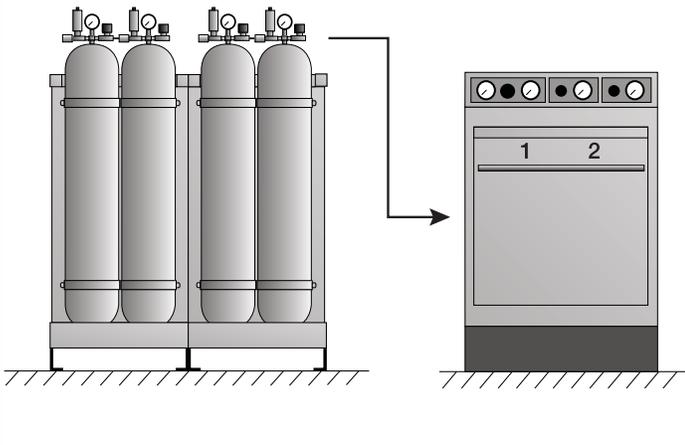
REFERENCE ASY-0759 FOR VERTICAL CONFIGURATIONS
AND ASY-0758 FOR HORIZONTAL CONFIGURATIONS



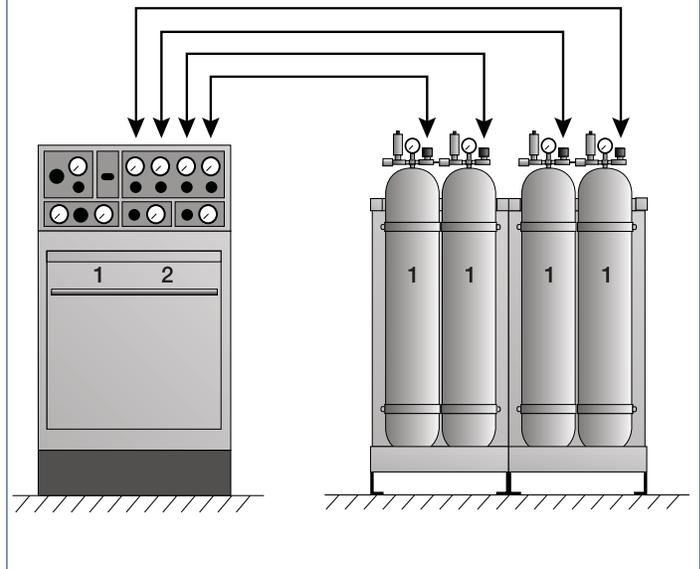
Model	Weight 2-Cylinder Rack	
	lbs	kg
UN 5000	475	215
UN 6000	525	238
ASME	935	424



**BULK STORAGE SYSTEM
ASME-4/BULK**



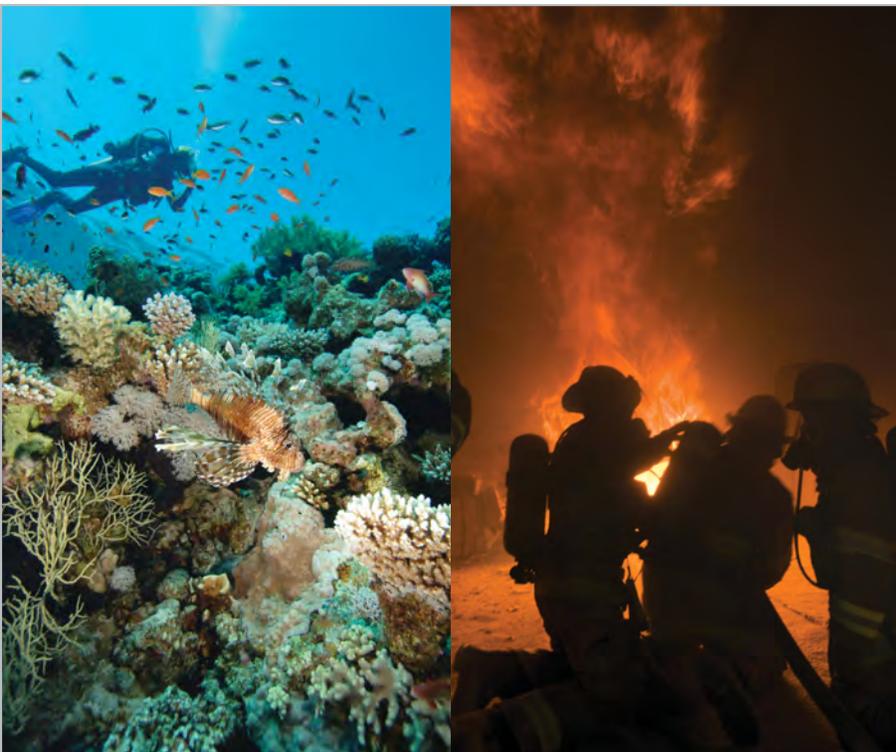
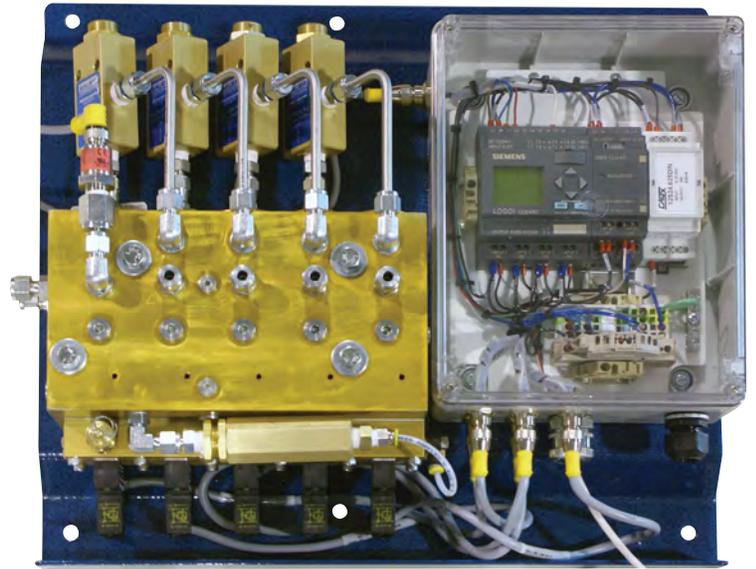
**FOUR BANK CASCADE STORAGE SYSTEM
ASME-4/BANK/1-1-1-1**



AUTO CASCADE

Safe and Automatic Cascade SCBA Filling

- › **Four to One Safety Factor**
All components are manufactured for 6000 psig service
- › **12 or 115 Volt Operated**
Simply specify at time of order
- › **Manifold Integration**
On any manufacturers cascade system



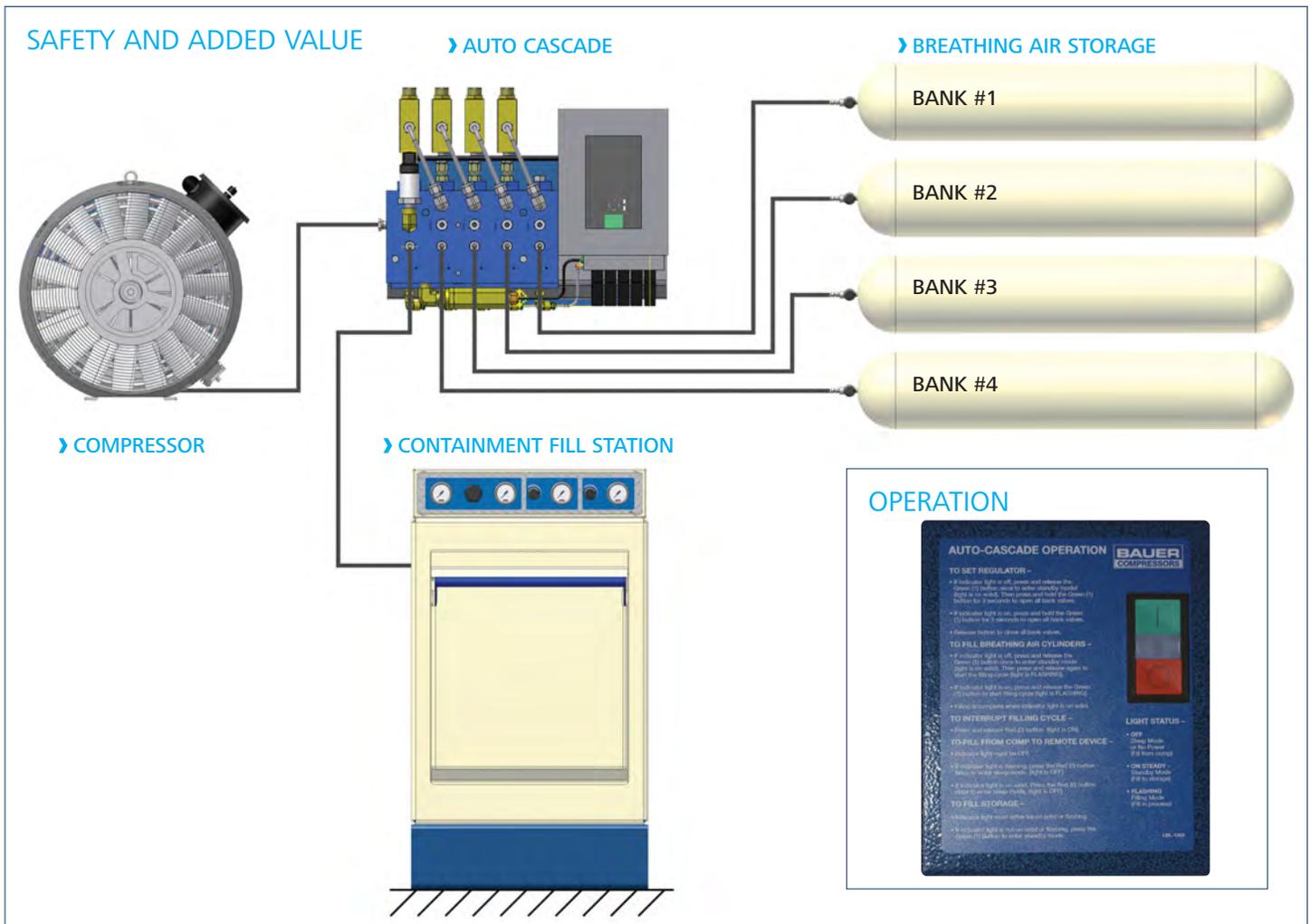
The world leader in high pressure breathing air is proud to introduce a new method of automatically cascading your air storage system.

The system utilizes our patent pending manifold block with integral valve bodies, couple this with a commercially available PLC controller and you have the simplest cascade system available today! What would you expect...it's a BAUER.

Auto Cascade

STANDARD SCOPE OF SUPPLY

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



CFSII

Containment Fill Stations for Air and Oxygen

› Fill Positions

One, two, or three
Mobile or Stationary

› Custom Designed System

Dual or single function cascade
controls (2 or 3 position)
Top or side mounted panels
Remote fill outlets

› Safety Door Interlock

› Ergonomic Loading Height



BAUER offers only independently tested containment fill stations which were found to protect the operator from over-pressure and fragmentation per NFPA 1901.

Formed plate steel and fewer weldments help maintain structural integrity while at the same time reducing size and weight. Our ergonomic "Easy Load" door design allows the operator to open and close the door with less than 18 lbs. of force without hyper-extended hand and wrist movements.

CFSII

STANDARD SCOPE OF SUPPLY

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

DIMENSIONS L x W x H inches (mm)

- › CFSII-1S, OXY-1S 18 x 21 x 55 (457 x 533 x 1397)
- › CFSII-1M, OXY-1M 18 x 21 x 39 (457 x 533 x 990)
- › CFSII-2S, OXY-2S 30 x 21 x 53 (762 x 533 x 1346)
- › CFSII-2M, OXY-1M 30 x 21 x 39 (762 x 533 x 990)
- › CFSII-3S 41 x 21 x 53 (1041 x 533 x 1346)
- › CFSII-3M 41 x 21 x 39 (1041 x 533 x 990)

WEIGHT pounds (kg)

- › CFSII-1S, OXY-1S 433 (196)
- › CFSII-1M, OXY-1M 360 (163)
- › CFSII-2S, OXY-2S 670 (304)
- › CFSII-2M, OXY-2M 550 (249)
- › CFSII-3S 905 (411)
- › CFSII-3M 740 (336)



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

PURIFICATION

High Pressure Breathing Air Purification for BAUER Systems

- › **Worldwide Leader**
Compressors
Purification and filtration
- › **Anodized Aluminum Filter Housing**
Filter cartridge end caps are machine crimped
Eliminating glues/friction welding
- › **Anodized Aluminum Filter Chambers**
Each chamber and plug assembly are serialized to assure system traceability



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

Our Purification Systems can be retrofitted to most high pressure compressors.

PURIFICATION



Images shown may have optional features.