

# Stallion Air Inc.



High Pressure Breathing Air Equipment

# Centaur

Stallion Centaur models integrate all components of a cylinder refill system into a single, turn-key package including a compressor, air storage vessel(s), purification system, air management panel and a containment fill station.

## Standard features include:

- 6000 psi system- select from 7.5 to 25 horsepower.
- “Bulk” air management panel, with remote fill port / valve
- 2 or 3 position containment fill enclosure
- Purification system matched to compressor output
- Fully enclosed cabinet for quiet operation
- Latching service access doors
- Color touch-screen operator interface for simple, automated operation and monitoring with shut-down alarms and on-screen status messages
- Stallion Sample Tap System (STS) for easy air sample retrieval

## Optional features:

- “Cascade” air management panel
- Stallion Auto-Fill system
- ASME or ISO Storage Vessels
- CO Monitor
- Moisture monitor
- Spring Rewind Hose Reel Module (50', 75' or 100')
- Comprehensive electronic interstage monitoring
- Connectivity package (email or text alerts for system status changes or malfunctions)
- Connections for remote storage cylinders

Centaur models are defined by the capacity of the fill station and the number of storage vessels that can be mounted in the cabinet. The Centaur 2 is the smallest of the series and is frequently chosen when space is a consideration. The Centaur 2-4 and Centaur 3 are equal in size, but offer expanded capabilities over the Centaur 2.

#### Centaur2G2

- 2 Position Fill Station
- Accepts up to 3 ASME or ISO Storage Vessels

Standard Dimensions  
83-7/8"W 34-1/8"D x 74-5/8"H



#### Centaur2-4G2

- 2 Position Fill Station
- Accepts up to 4 ASME or ISO Storage Vessels

Standard Dimensions  
93-7/8"W 34-1/8"D 74-5/8"H



Shown with optional Hose Reel

#### Centaur3G2

- 3 Position Fill Station
- Accepts up to 4 ASME or ISO Storage Vessels

Standard Dimensions  
93-7/8"W 34-1/8"D 74-5/8"H



# Stallion Auto-Fill System

The Stallion Auto-Fill System utilizes a proprietary precision valve system, pressure transducers, a logic controller and a color touch screen to perform all functions of a typical “cascade” air control panel. The defining attribute of the system is the ability to provide constant, precise fill rate control. The screen graphics allow the operator to see all functions as they are happening in real time. An operator simply presses the “Start” key, and selects the fill pressure.

The Stallion Auto-Fill System can be incorporated into panels having full manual redundancy, or be used independently. Stallion Auto-Fill System is an available option on Centaur systems and Stationary Containment Fill Enclosures. It can also be integrated into air management panels for use on mobile systems. The Stallion Auto-Fill System can be configured for use on systems with or without a compressor. It can be used with 3 bank or 4 bank cascade systems.

## The Stallion Auto-Fill System performs the following functions:

- “Cascade” storage bank usage
- Cylinder filling from the compressor
- Storage bank refill
- Fill pressure control
- Fill rate control

## The Administrative features within the Stallion Auto-Fill System allows the following elements to be pre-determined:

- User passcodes
- Cylinder pressure selection
- Allowable overfills
- Fill rates

## Home Screen



## Possible Fill Pressure Selection Screen



## Password Setup Screen



## Fill Operation Display Screen



# Pegasus

The Pegasus vertically enclosed compressor is a full-featured system that incorporates the latest technology and features to insure ease of operation and system longevity. The Pegasus compressor is designed to provide smooth, quiet operation in areas where floor space is limited, or where elevated controls are desired. When you purchase a Pegasus you can be assured that you are purchasing a system that is built to perform and built to last.



## Standard features include:

- 6000 psi - select from 7.5 to 25 horsepower.
- Purification system matched to compressor output
- Fully enclosed cabinet for quiet operation
- Latching service access doors
- Color, touch-screen operator interface for simple, automated operation and monitoring with shut-down alarms and on-screen status messages
- Stallion Sample Tap System (STS) for easy air sample retrieval

## Standard Dimensions:

44"W 34-1/8"D 74-5/8"H

## Optional features:

- CO Monitor
- Moisture monitor
- Spring Rewind Hose Reel Module (50', 75' or 100')
- Comprehensive electronic interstage monitoring
- Connectivity package (email or text alerts for system status changes or malfunctions)

# Enbarr

Stallion offers the Enbarr for applications in which space is at a premium and access doors would be unusable. Its open design provides the installation flexibility and ease of maintenance that is necessary for limited space installations. These vertically configured compressors incorporate all the Stallion features and technology our customers have come to expect.

## Standard features include:

- 6000 psi - select from 10, 15 or 20 horsepower
- Purification system matched to compressor output
- Color, touch-screen operator interface for simple, automated operation and monitoring with shut-down alarms and onscreen status messages
- Stallion Sample Tap System (STS) for easy air sample retrieval

## Standard Dimensions

39-3/8"W 33-1/8"D 58-1/8"H

## Optional features:

- CO Monitor
- Moisture monitor
- Extended life purification upgrades



# Gidran

The Gidran is a ruggedly built, horizontally configured, breathing air compressor preferred by high volume industrial users. It is designed for use in tough environments where dependability, ease of maintenance and comprehensive protection are essential. The Gidran provides all this plus an appealing appearance. It is fully featured, offering the same control sophistication and ease of operation as the Pegasus. Like the Pegasus, it is protected by a fully enclosed cabinet. The cabinet provides comprehensive protection as well as an eye-catching appearance that makes the Gidran equally at home in a fire department. If you want a rugged, enclosed system but can't accommodate the height of the Pegasus, the Gidran may be the solution for you.



## Standard features include:

- 6000 psi - select from 7.5 to 25 horsepower
- Purification system matched to compressor output
- Fully enclosed cabinet for complete protection
- Latching service access door
- Color, touch-screen operator interface for simple, automated operation and monitoring with shut-down alarms and on-screen status messages
- Stallion Sample Tap System (STS) for easy air sample retrieval

## Standard Dimensions

7.5 & 10 HP - 61-3/16"W 41-7/8"D 40-3/16"H  
15, 20 & 25 HP - 70-1/8"W 41-7/8"D 48-9/16"H

## Optional features:

- CO Monitor
- Moisture monitor
- Comprehensive electronic interstage monitoring
- Connectivity package (email or text alerts for system status changes or malfunctions)



# Percheron

Stallion offers the Percheron for applications in which space is at a premium and access doors would be unusable. While this unit performs perfectly in a stationary application, its open design, low center of gravity and modular components provide the installation flexibility and ease of maintenance that is necessary for vehicular installations. These horizontally configured compressors incorporate all the Stallion features and technology our customers have come to expect.



## Optional features:

- CO Monitor
- Moisture monitor
- Comprehensive electronic interstage monitoring
- Connectivity package (email or text alerts for system status changes or malfunctions)

## Standard features include:

- 6000 psi - select from 7.5 to 25 horsepower
- Purification system matched to compressor output
- Modular components that provide multiple configuration options, including remote location of components and controls
- Color, touch-screen operator interface for simple, automated operation and monitoring with shut-down alarms and onscreen status messages
- Stallion Sample Tap System (STS) for easy air sample retrieval

## Standard Dimensions

7.5 & 10 HP - 59-7/8"W 33-7/8"D 43"H 15  
20 & 25 HP - 75-3/16"W 28-1/2"D 51-9/16"H

# Stationary Containment Fill Enclosures

Stallion Stationary Containment Fill Enclosures provide an aesthetically pleasing solution to adding a certified cylinder refill station to your facility. Whether you are upgrading your existing system or purchasing as a component along with a Stallion compressor, these packages will help you organize your air system.



In addition to being NFPA 1901 2016 compliant and a UL Classified fill enclosure, these packages also provide an air management panel and storage vessel mounting rack inside of the cabinet. The storage vessel rack will accommodate either ASME or ISO vessels.

The cabinets and panels of the fill enclosures are constructed to compliment the cabinetry of Pegasus and Gidran compressors. This gives your system the “matching appliance” look.

Stallion air management panels include a remote hose connection port and control valve as a standard item. Additionally, a hose reel module can be added to these fill enclosures and integrated into the air management panel.

Stallion Stationary Containment Fill Enclosures do not rely on complicated pneumatic controls to open or close the door. The door mechanisms are mechanical and balanced to provide easy opening and closing. The door latch mechanism is redundant and integrated into the door handle. No secondary latch mechanism is necessary.

Filling 1 hour SCBAs and SCUBA tanks is not a problem for the Stallion Stationary Containment Fill Enclosures. The fill enclosure accommodates cylinders greater than 31” long. The fill enclosure door has a two-stage opening feature. One stage allows for ergonomic loading while the other stage positions the bottle connections at an ergonomic work height.

## SACF2G2(Not Shown)

- 2 Position Fill Station
- Accepts up to 3 ASME or ISO Storage Vessels

### Standard Dimensions

40-5/8”W 34-1/8”D x 71-7/8”H

## SACF2-4G2(Not Shown)

- 2 Position Fill Station
- Accepts up to 4 ASME or ISO Storage Vessels

### Standard Dimensions

50-5/8”W 34-1/8”D 71-7/8”H

## SACF3G2

- 3 Position Fill Station
- Accepts up to 4 ASME or ISO Storage Vessels

### Standard Dimensions

50-5/8”W 34-1/8”D 71-7/8”H



SCBA/SCUBA AIR CYLINDER FILL STATION  
IN ACCORDANCE WITH SECTION 24.9 OF  
THE NATIONAL FIRE PROTECTION  
ASSOCIATION STANDARD  
FOR AUTOMOTIVE FIRE APPARATUS  
NFPA 1901-2016  
EX27235

# Mobile Containment Fill Enclosure

Stallion Mobile Containment Fill Enclosures are independently tested in compliance with NFPA 1901 2016 standards. Stallion Fill enclosures are a UL Classified product. These enclosures have a front-to-back depth less than 21" making them ideal for mounting in apparatus compartments. The adjustable door opening height accommodates various apparatus floor-to-ground heights by opening to approximately 90°. The balanced door also incorporates a two-stage opening design that allows for ergonomic cylinder loading, as well as easy cylinder connection. The door closure and latch mechanisms are completely mechanical and do not require pneumatic pressure for operation. The door is self-latching with redundant mechanisms. The latch release mechanism is integrated into the handle and, therefore, requires no secondary mechanism for latch operation. The fill enclosures will accommodate cylinders that exceed 31" in length. An internally or externally mounted safety valve ensures that the fill whips cannot be charged with the door open.



SCBA/SCUBA AIR CYLINDER FILL STATION  
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NFPA 1901-2016  
EX27235



Shown with optional Base and Air Control Panel

## SACF2MG2

- 2 Position Fill Station

### Standard Dimensions

32-7/8"W 20-7/8"D x 39-1/2"H

## SACF3MG2(Not Shown)

- 3 Position Fill Station

### Standard Dimensions

43-1/16"W 20-7/8"D 36-1/2"H

# Stallion Air Trailer (SAT)

The SAT houses a generator, compressor and fill station with multiple air storage vessels in a compact, but efficient design allowing the SAT to be set up anywhere that it can be towed. The SAT can be set up at the scene of an incident and generate its own power from an appropriately sized, stand-alone diesel 3 phase generator. The SAT is designed with 2 compartments that separate the mechanical room from the SCBA recharging room.

## Standard Features:

- 2 position Fill Station
- (4) 6000psi ISO cylinders
- 4 bank regulated air control panel
- Secondary compressor control screen
- Vertical drop SCBA storage rack
- (2) 5,000lb torsion axles
- (2) 500 watt halogen hand pole lights
- Dual roll up aluminum side doors
- Fold down or barn door style rear doors
- Side entrance door
- 120 VAC LED interior lighting and receptacles



(Shown with optional Awnings)



The mechanical room is equipped with your choice of Percheron compressor, and a diesel generator that is sized appropriately for the installed equipment.

Roll up doors on the sides of the SAT allows for instant access to the controls for the generator, as well as the compressor for easy operation.





The SCBA recharging room is designed to house the fill station, storage vessels, and SCBA storage rack.

Optional Features:

- Stallion Auto Fill
- Electrical shoreline cord with transfer switch
- Spring rewind hose reel assembly (50ft, 75ft, 100ft)
- Awnings



The vertical drop SCBA rack will accommodate 12 SCBA cylinders of any size, for storage.

# Air Storage

There are typically two styles of storage cylinders utilized for breathing air purposes. ISO Cylinders or ASME cylinders. The ISO cylinders are a more economical choice. The ISO storage cylinders will require a 10 year recertification whereas the ASME cylinders have no recertification requirements. The ASME cylinders have more related hardware attached to the cylinders, than an ISO cylinder, that may require service or replacement in the future.

- ISO Cylinders require a 10 year recertification.
- The 6000 psi cylinder weigh 195 lbs. dry
- Cylinder rated at 510 cf @ 6000 psi

- ASME Cylinders have no recertification requirement
- The ASME Cylinder weighs 400 lbs. dry
- Cylinder rated at 491 cf @ 6000 psi
- ASME Cylinders require a certified ASME Relief Valve



(Show with optional DOT Safety Caps)



(Shown with optional Rack)

Thank you for choosing Stallion Air Incorporated, your number one source for breathing air compressors and related equipment. We're dedicated to giving you the very best products and service, with a focus on Cutting-Edge Technologies, First-Rate Materials, and Superior Quality Control.

Founded in 2004, Stallion Air Inc. has come a long way from its beginnings. We now serve customers all over North America and beyond, and are thrilled that we're able to turn our passion into our own company.

We hope you enjoy our products as much as we enjoy offering them to you. If you have any questions or comments please don't hesitate to contact us.

Sincerely,  
Gary Williams



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