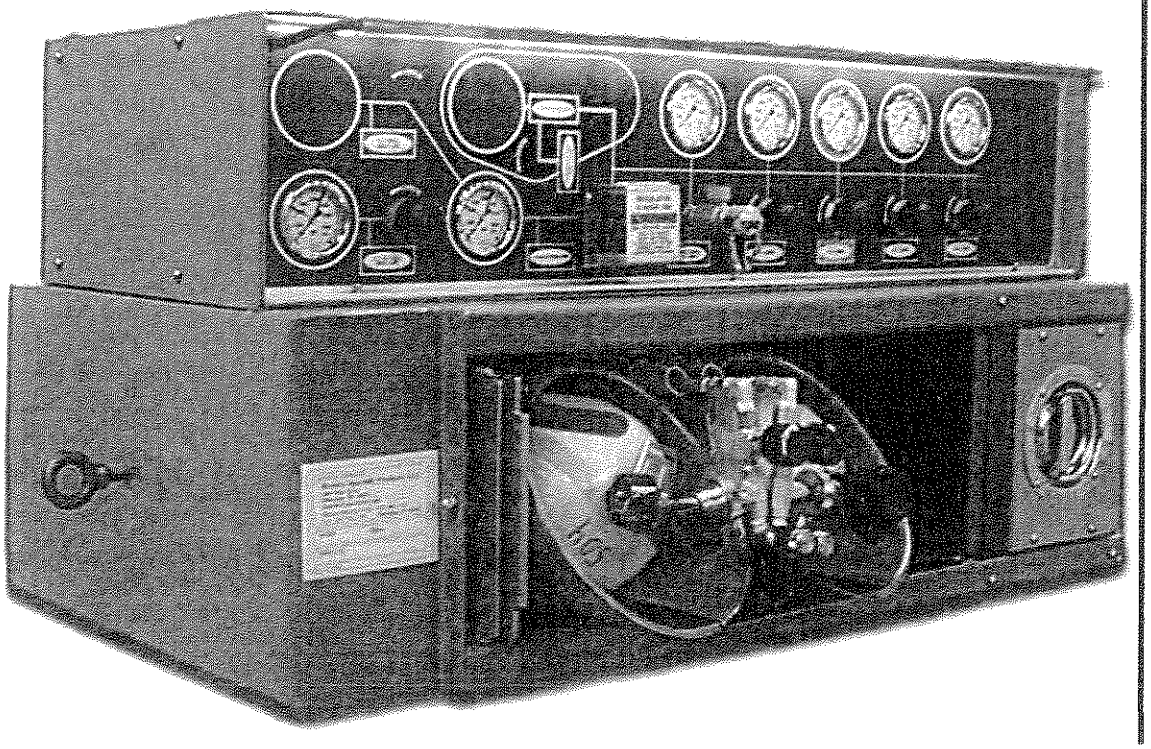
Firefighter Cascade System Grant Award
Neenah-Menasha Fire Rescue



Shift Commander Dan Schultz
Grant Administrator

INDEX:

Federal Emergency Management Agency
Washington, D.C. 20472

Ms Tara Theisen
Neenah Menasha Fire Rescue
125 East Columbian Ave.
Neenah, Wisconsin 54956-3013

Re: Grant No. EMW-2008-FR-00414

Dear Ms Theisen:

FEMA received your amendment request. Your department would like to request a scope of work change. Your request has been approved. Please maintain copies of bids/quoted, purchase receipts, etc. along with a copy of this letter in your file. All other terms and conditions remain unchanged.

Sincerely,

Nicole Turner
Grants Management Specialist

Section 2: Grant Application Narrative

Cascade Award
2008 Surplus Funds Amendment Grant Award

We are in need of a (4) bottle cascade system with air fill station and explosion containment chamber. This is needed due to increased SCBA (Self Contained Breathing Apparatus) use on fire grounds and the lack of resources available to fill the SCBA tanks. We had this item on our needs list for many years, but the restricted budgets did not allow for the purchase of this item. Recently, we had a fire at an industrial facility in the City of Neenah that caused a large need for extra SCBA tanks. The facility was a total loss and the need for filling SCBA's was the major need we felt we were missing in the operations at that incident when we did our incident debriefing. We utilized two different communities for their "air wagons (trailers)" and they were limited on keeping up with the demand. But, this fire showed an area that we knew we were lacking in and its value for firefighter safety. Now the questions is how do we fund the project. This also showed that if we were lacking in supplying air to our firefighters with the use of mutual aid, it would be a reciprocal problem if they were in the same situation. In a larger scale situation it can limit our firefighters activities in hazardous environments (fire, hazmat, carbon monoxide, etc.). This can jeopardize our operations and put firefighters and civilian at risk. Limited air supplies can cause our firefighters to have to back out to a safe environment and limit the aggressiveness that is needed to quickly suppress a fire or save a civilian. In our recent industrial fire that caused the most recent problem, more air bottles could have allowed more firefighters to be actively involved in the fire or in closer proximity to hazardous environments. This can give us a safer more aggressive attack getting firefighters more involved in eliminating the problem areas of the incident. Without the numbers of bottles filled we restrict the amount of firefighters that would be in the bad environment. This causes overload to the firefighters based on workload they have to deal with and limited personnel. Increased workload of our firefighters lead to an increased risk at heart related issues and overheating, clearly not what we want. Requested equipment: Installation of a 2-bottle SCBA fill enclosure with a four-bank cascade control panel. One (1) Space Saver model 300H two bottle horizontal fill enclosure $4925.37. One (1) four bank air control panel with one regulator $4254.49. Four (4) 6,000-psi D.O.T. air storage cylinders with valves and adapters $ 4600 (total for all four). Hose assemblies to connect cylinder to control panel $400. Mounting brackets for the cylinders $720. One (1) Air driven booster pump, Hyd Intn'l 6,000 psi out and ACP adaption $8350.00. Installation labor $1040. Total cost of project $24,289.86. With your funding support, we will be better prepared for long-term fire operations that currently push our Self Contained Breathing Air cylinders to the limit. We would be able to go deeper into our emergency operation without worrying about running out of air and leaving our personnel and civilians at risk. If we call in resources outside of our community, from neighboring fire departments, we need to be able to fill their air bottles when they assist us. This system would also allow our department to be more valuable to neighboring communities in assisting in their operations in filling air bottles in their time of need. The value of this request goes beyond our community boarders and will benefit more then just our fire department. Our recent industrial fire has shown that our area is in need of additional resources capable of filling SCBA's while on emergency incidents. By helping us fill this need you help more then just our fire department and our community.

Section 3: Equipment Purchase Recommendation

Neenah Menasha Fire Rescue under the FEMA AFG grant guidelines will pay 25% of the totals listed below in the packages. The total cost of the proposed items to be purchased would be $24,289.86. Neenah-Menasha Fire Rescue share would be $6,072.47. FEMA share would be $18,217.39.

Resolve Specialty Products, LLC. Is the low bid and is a local supplier in the City of Menasha. They are the product manufacturer, so we would be purchasing direct. The purchase price with installation is **$24,289.86**.

RSP
RESOLVE SPECIALTY PRODUCTS, LLC

RSPspacesaver.com

1865 Bud Drive
PO Box 410
Menasha, WI
54952
Office: (920) 470-3774
Fax: (920) 735-1700
Email: info@RSPspacesaver.com

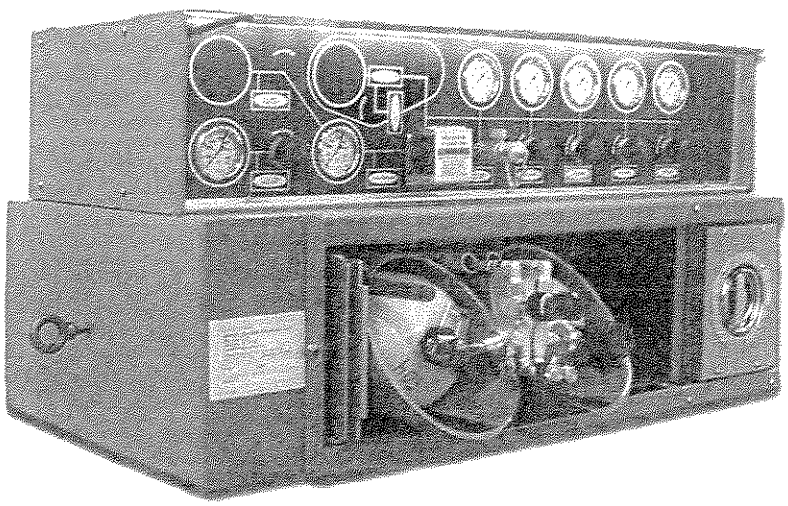
SpaceSaver®

2 Cylinder Cascade Filling Station

Model 300H

Patent # 6,494,549

The SpaceSaver model 300H is a cascade air system fill enclosure designed for mobile SCBA or SCUBA cylinder filling. Model 300H utilizes an advanced horizontal design to maximize the use of critical space and allows for compartmental mounting over the rear wheels, or elsewhere on the vehicle as space permits. The unit will contain SCBA and SCUBA cylinders and all fragments in the event of a rupture during the filling process. This unit allows for the filling of two (2) SCBA or SCUBA cylinders either simultaneously or individually. Combined with our Air Control System the 300H can be customized to fit your space needs.



Shown with optional Air Control Panel.

Features

- Body constructed with 3/16" & 3/8" Plate Steel for maximum safety and protection from rupture.
- Door constructed with 1/4" Stainless Steel.
- Ergonomic design with assistance devices to assure smooth operation and reduce operator fatigue.
- Automatic safety interlock system prevents operation until unit is secured.
- Smallest and most space efficient horizontal 2 cylinder fill station available.
- H: 13" W: 42.50" D: 25" Weight: 400 lbs.
- Optional air control panel can be mounted either as shown or installed remotely.

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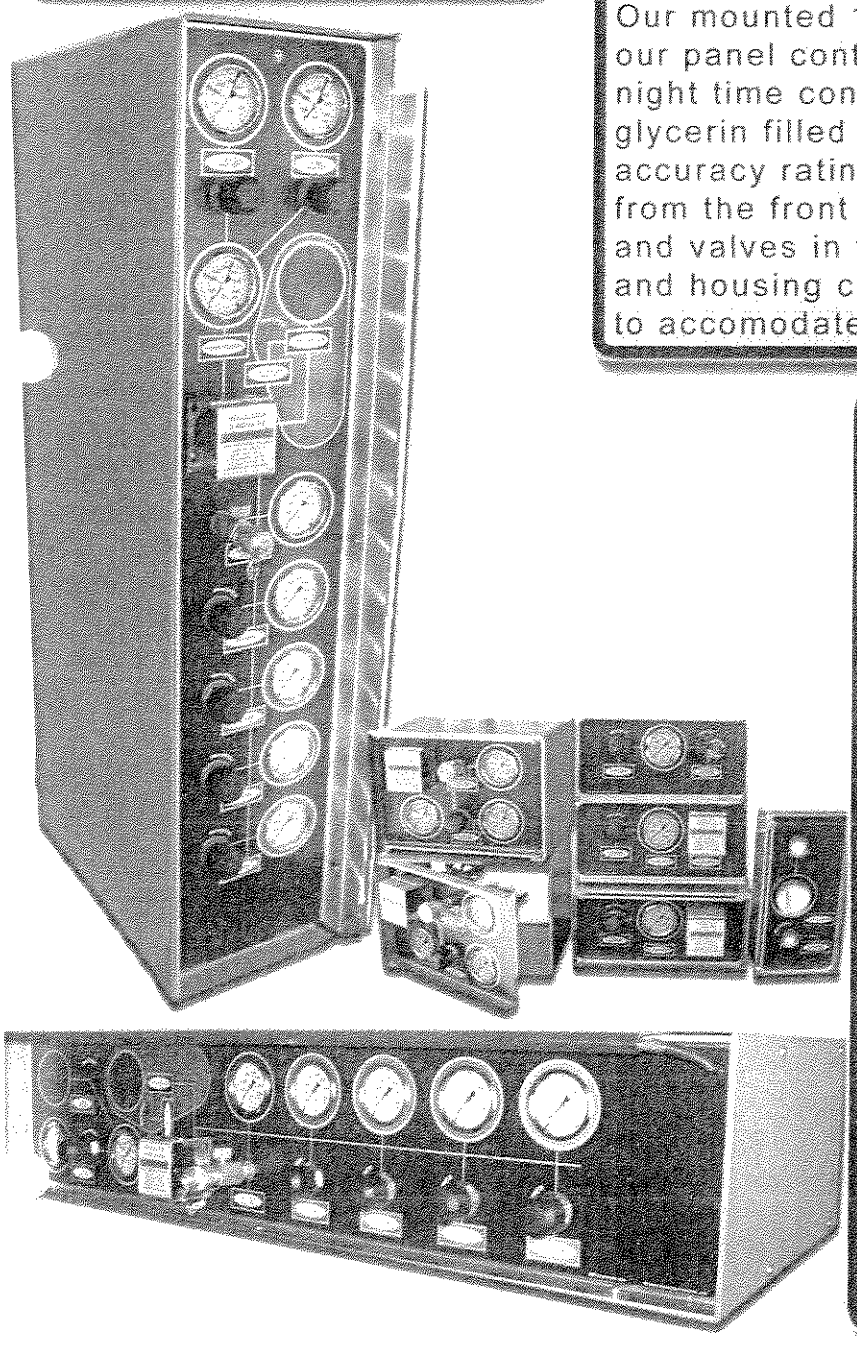
Air Control Panel Systems

Our high quality Air Control Systems are designed using only the finest components available, yet maintain very competitive cost points. Our panels are intuitively designed with embedded color graphics to help assure proper operation in the field. Our mounted 12 volt shielded light bar guarantees our panel controls remain clearly visible even in night time conditions. These panels feature premium glycerin filled gauges which have a superb 1.5% accuracy rating. The panel housing swings open from the front to allow for easy access to gauges and valves in the event service is needed. Panels and housing cabinets can be custom manufactured to accomodate any of your needs.



Specifications

- Superior quality glycerin filled gauges featuring 1.5% measurement accuracy rating.
- Low Pressure gauges measure pressure from 0 - 600 psi.
- High Pressure gauges measure pressure from 0-7500 psi.
- Pressure Regulators are fitted with adjustable relief valves.
- Embedded color graphics help assure proper operation.
- 3/16" aluminium panel with knockouts for future expansion.
- 3/16" painted aluminium housing
- Panel Housing Dimensions 42.5" X 9.75" X 18"
- Custom sizing available.

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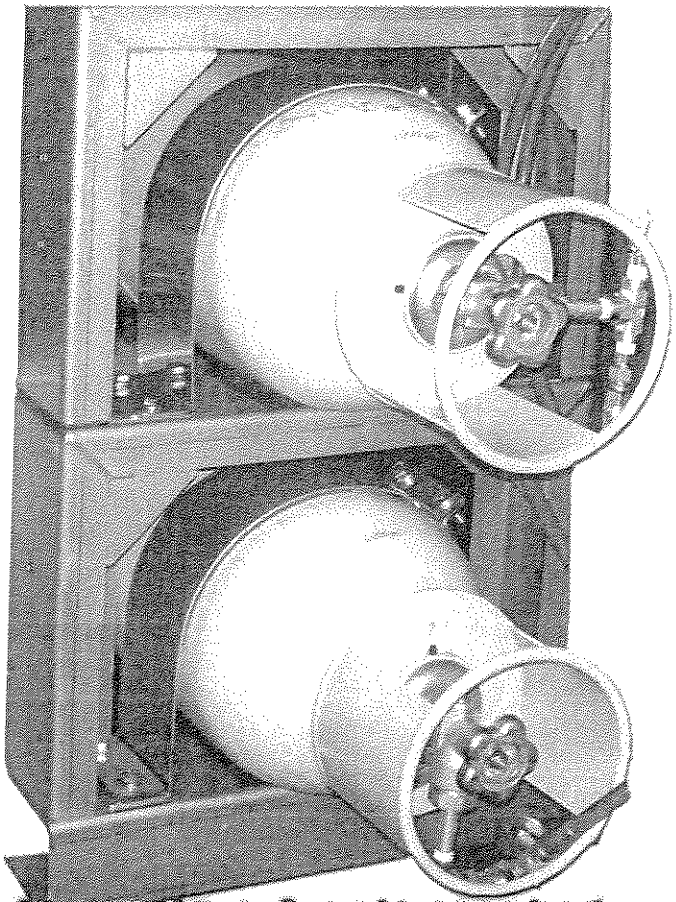
STACKER®

ASME / DOT / UN Stackable Cylinder Mounting Solution

*Patent Pending

The ***Stacker*** is a reinforced stainless steel mounting bracket for ASME or DOT air storage cylinders in either fixed or mobile applications. The ***Stacker*** is one of the most versatile mounting brackets in the market today. The ***Stacker*** bracket is fabricated using high strength stainless steel for maximum durability and lifespan. Our integrated reinforced design allows for the stacking of multiple units to any height and width necessary. This design allows the cylinders to be placed side by side and/or stacked vertically to meet individual space constraints. The ***Stacker's*** stainless steel restraining bands are affixed with traction materials to insure cylinders are secured.



Shown in a 2 unit stacked configuration.

Specifications

- Bracket framework consists of 11 gauge high strength stainless steel and reinforced with .25" stainless steel plates.
- Restraining bands are built from 14 gauge high strength stainless steel and additionally augmented with traction materials.
- Framework: L:17.50" W:4.50" H:12"
- Bands: 9.5" X 9.5" *Adjustable*
- Support Base: L:17.50" W:4.50" H:3.50"
- Shown as 2 units stacked with optional support base attached.
- As shown L:17.50" W:4.50 H:27.50"
- Support base cab be additionally reinforced with high density polypropylene blocks (not shown)

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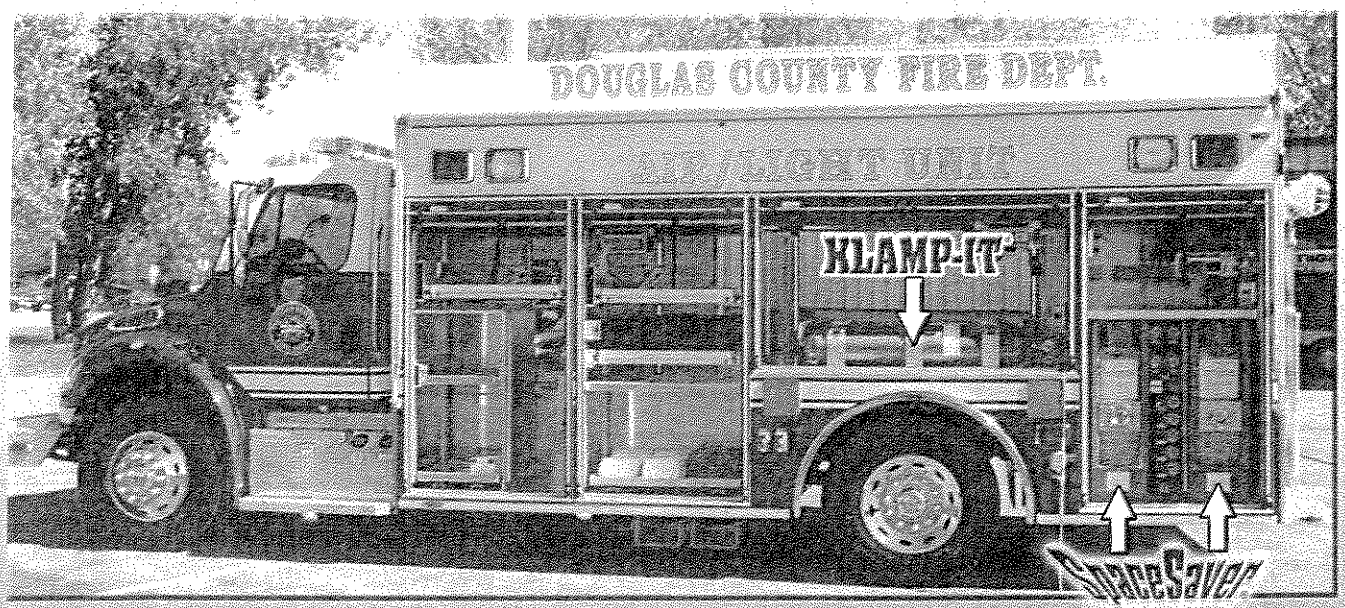
RESOLVE SPECIALTY PRODUCTS, LLC

SpaceSaver®

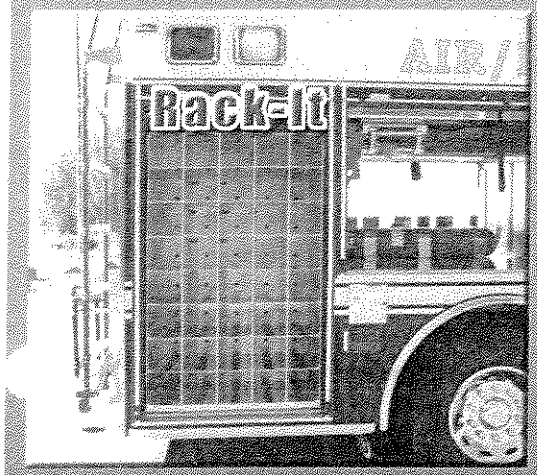
Cascade Breathing Air System Installation Sample

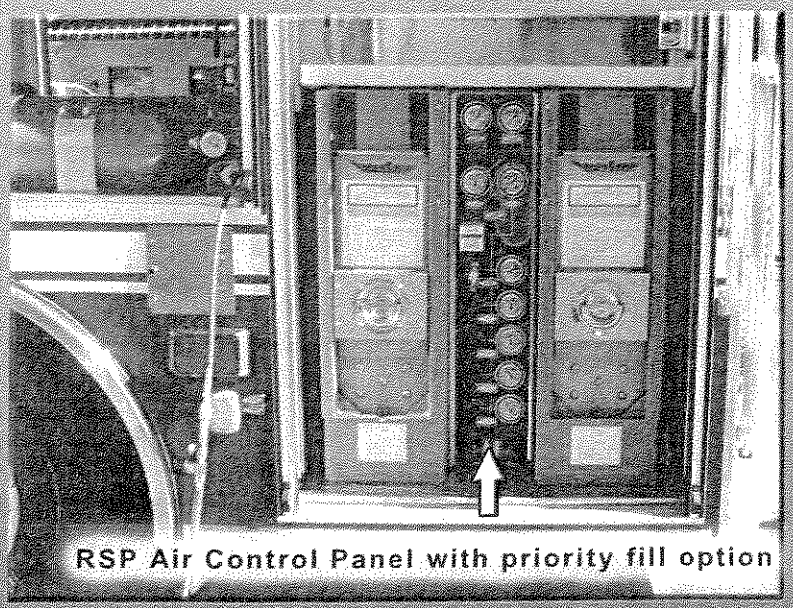
Resolve Specialty Products offers a complete solution to cover any cascade breathing air systems needs. The SpaceSaver system is designed to minimize installation space requirements to leave you with more room for life saving equipment and gear. Each individual part of the system was designed with this space premium focus in mind while still keeping the system from requiring costly body modifications.



Shown above is a completed breathing air system installation featuring the **Klamp-It** mounting system, two **SpaceSaver 100A** fill enclosures, and the **RSP air control system**. This particular installation utilizing multiple **SpaceSaver** units with a centralized air control system is very popular due to its extremely small footprint and versatility. This configuration allows for the simultaneous or separate filling of 1-4 cylinders and has a combined footprint of only 5.71 square feet. The **Klamp-IT** bracket used is a four cylinder side-by-side horizontal configuration taking up almost no additional space.

The ultra compact design of our **Rack-It** cylinder storage system allows for the storage of 40 DOT cylinders in a single compartment while offering weight counter-balance to the vehicle.





RSP Air Control Panel with priority fill option

www.RSPspacesaver.com (920) 470-3774

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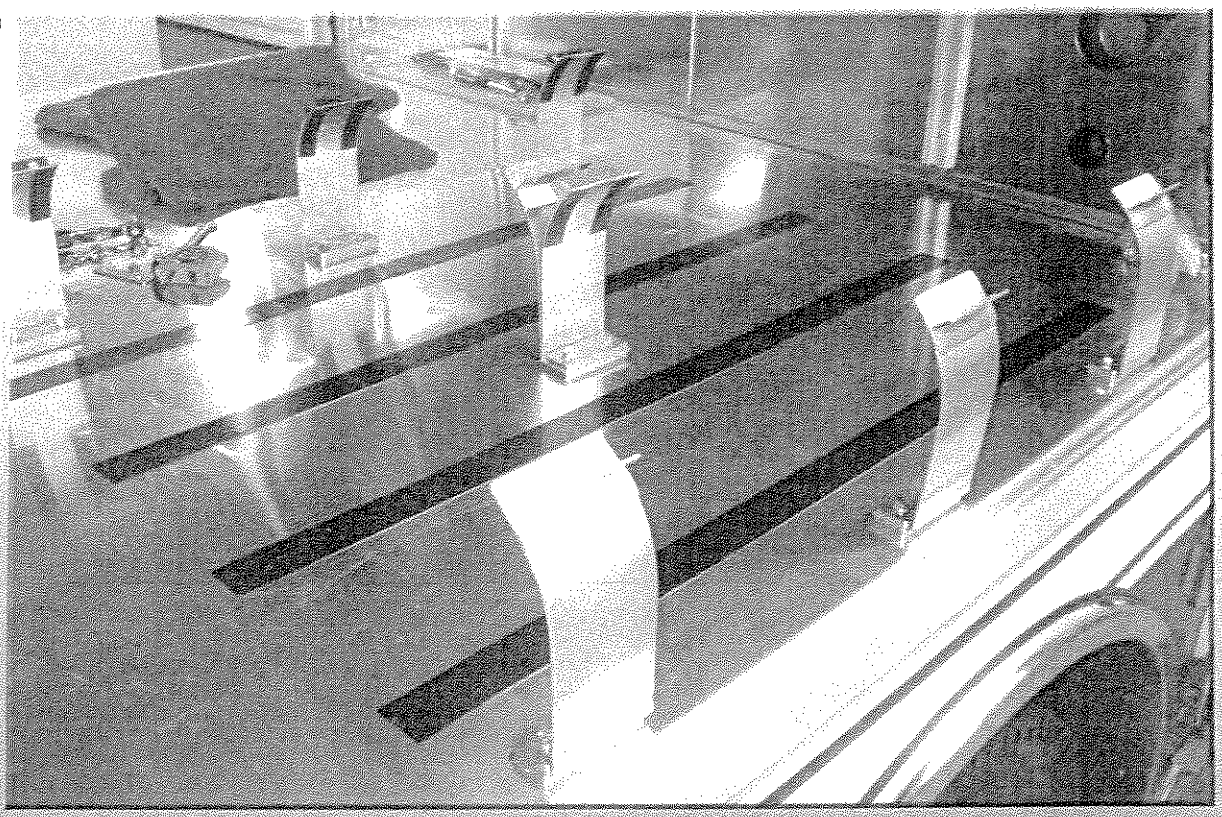
RESOLVE SPECIALTY PRODUCTS, LLC

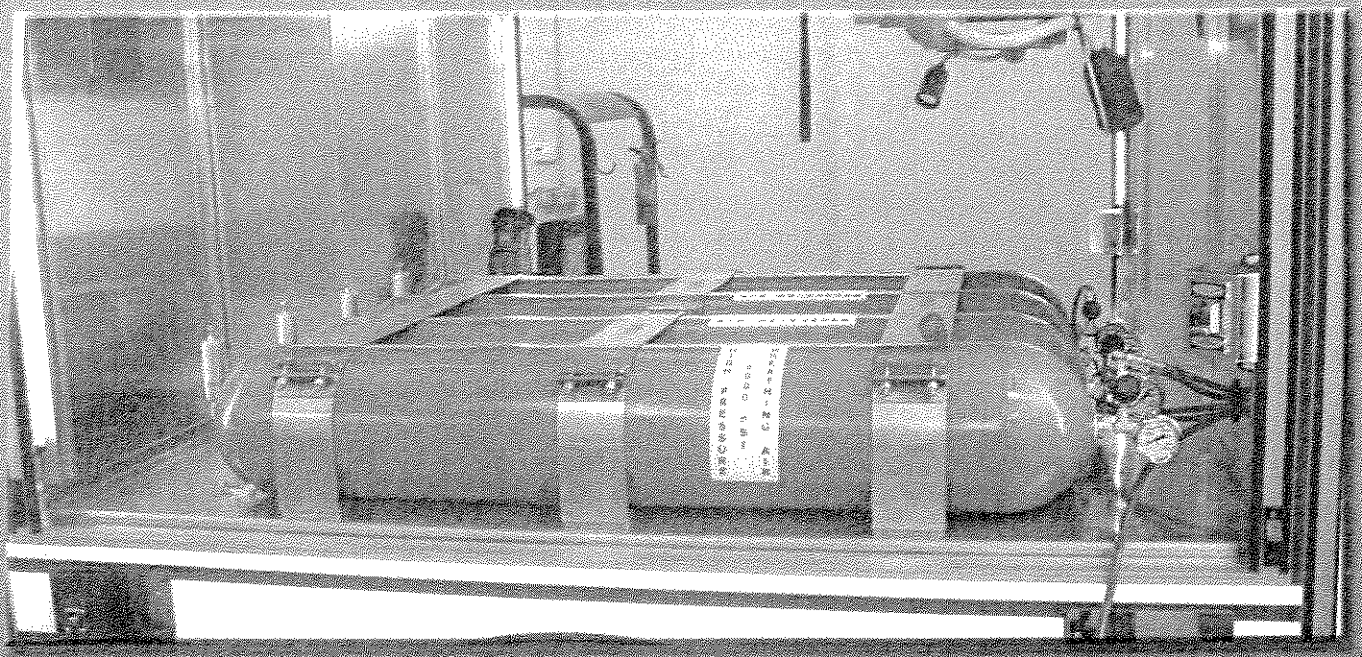
SpaceSaver®

Klamp-It bracketing system Installation Sample

Pictured right is a Klamp-It bracket system installed with the top section removed for cylinder installation. In this particular 4 cylinder side by side horizontal installation, the cylinders are secured on the top and bottom with full length four cylinder bands and in the center with seperate two cylinder bands. This type of installation offers excellent stability, traction, and security.



Below is the completed installation of a Klamp-It bracketing system. This system allows for easy access to the cylinders themselves as well as the air regulation for the cylinders.



www.RSPspacesaver.com (920) 470-3774

6000-PSI BREATHING AIR BOOSTER PACKAGE

MODEL: HIHPG3-27003

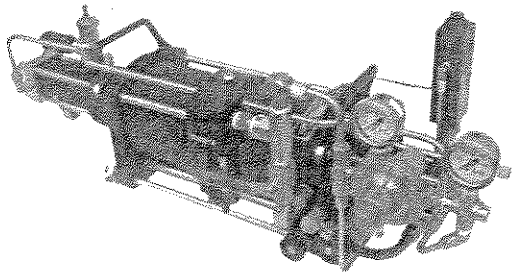
Breathing Air Booster Package for Fire Departments answers multiple requirements. It enables the full use of 6000-psi air storage on mobile truck units maximizing the volume of air at the scene. It ensures full 4500-6000 psi SCBA tank fills even if the air storage tanks (in-station or on the Mobile unit) drop as low as 1000-psi. Smaller departments may not need a unit both in-station, and truck mounted. The truck mounted unit can be easily setup to fill 4500-6000 psi SCBA both parked in-station, or at the fire scene; and be driven with a low pressure conventional air compressor, or "Bootstrap" directly from the High-Pressure air storage supply in either location.

Controls Included:

- Automatic stop control adjusted to any pre-selected pressure up to 6,000-psi
- Manual start & stop
- Safety relief valve
- Gas inlet gauge
- Air drive gauge

Specifications:

- Dimensions: ..... 30"L x 13"D x 17"H
- Weight: 64-pounds
- Displacement per cycle: ..... 6.2 cu-in
- Maximum outlet pressure: 9,000-psi



Performance:

Approximate fill-time for a 45 cu-ft cylinder to 4,500-psi*

System pressure after Equalization	Approx. fill-time	Approx. fill rates
2500-psi	36-seconds	32-scfm
2300-psi	43-seconds	30-scfm
2000-psi	56-seconds	26-scfm
1500-psi	86-seconds	20-scfm
1000-psi	160-seconds	13-scfm

* Based on 90-psi shop air and 45 cycles per minute.

Section 4:
Equipment Bids

Resolve Specialty Products, LLC

RESOLVE SPECIALTY PRODUCTS, LLC

1865 Bud Drive
Menasha, WI 54952
Telephone (920) 470-3774
Home Office FAX (920) 722-4540
Shop FAX (920) 735-1700
RSPspacesaver.com
Date: 06/15/12

TO: Neenah-Menasha Fire Rescue
FAX: 886-6208
Att: Dan Schultz

Subject: Air System Pricing

Pages: 1

Dan,
The retail pricing you requested for the N&M new fire apparatus is as follows:
One (1) SpaceSaver® model 100A two bottle fill enclosure without the base is $6,374.87
Less $1,000 show demo discount = $5,374.87
One (1) SpaceSaver® model 300H two bottle fill enclosure is $5,525.37
Less $600 show demo discount = $4,925.37

One (1) Four bank air control panel is $4,954.49
Less $700.00 show demo discount = $4,254.49
Panel includes:
Side, back and top painted housing to match the fill enclosure. A 12 volt "LED" light with a brushed stainless steel light shield attached to a non-glare black finished panel.

Four (4) HC-6000 DOT air storage cylinders with valves and adapters $6,132.00
Less $1,532.00 demo discount = $4,600.00
Four (4) 526BA -06-06-4-4-3 hoses =$400.00
One (1) Four bottle racks for above DOT storage cylinders = $720.00
One (1) Air driven booster pumper, Hyd. Intn'l 6,000 psi out and ACP adaption $8,350.00.
Labor for mounting all of the above equipment in our shop $1040.00

Body compartment floors must be reinforced by body manufacturer for this equipment.
A 12 volt lead must be dropped by the body manufacturer for the light connection.

Sincerely,
Dennis R. Van Daalwyk
Resolve Specialty Products LLC
Email: Info@RSPspacesaver.com

Hi Mike,

Here are the options for the Cascade system on Job#20001

Install a 2 bottle SCBA fill enclosure with a four bank cascade control panel.
Option 1: SpaceSaver model 300H two bottle horizontal fill enclosure $ 5064
Option 2: SpaceSaver model 100A two bottle vertical fill enclosure $ 5843

Either option also requires the following:
one (1) four bank air control panel with one regulator $ 4540
four (4) 6,000 psi d.o.t. air storage cylinders with valves and adapters $ 4650 (total for all four).
Hose assemblies to connect cylinder to control panel $ 618
Mounting brackets for the cylinders $ 650
Misc.hardware/shop supply $45.00
Installation labor $ 1550

Note: We offered both options above to see which enclosure will fit better in your compartment, sizes are below.
The 100A measurements are 42.50" high x 13" wide x 23" deep.
The 300H measurements are 13" high x 42.50" wide x 25" deep. Both need the control panel which measures 42.50" long x 9.75" wide x 18" deep.

Thanks!

Leslie Niles
FAE - Owner
Office: 920-954-0887
Cell: 920-213-9632

NOTE: My email address has changed to nilesleslie@gmail.com