



Telemeter Electronic

Oxygen | Nitrogen Service



Why Buy Our O2/N2 Systems?

The heavy-duty powder-coated steel frame and simple design of our O2/N2 systems make them a leading industry solution that offers superior durability and easy maintenance. The regulators on our systems provide effortless mounting on built-in brackets while tilting bottle racks allow for loading and unloading with minimal effort.

Our O2/N2 boosters can be easily mounted upon the carts. Durable fifth-wheel steering provides optimal in-hangar maneuverability by hand, while the heavy-duty running gear and towbar allow dependable vehicle towing. All oxygen-wetted components are cleaned in accordance with SAE ARP1176, Category 1B, Level 200A.

AERO manufactures the lightest weight O2/N2 systems on the market.

When you purchase an AERO Specialties product you're backed by the best service and support in the industry.

Complete operation and maintenance manuals are provided with each product.

Our replacement parts are in stock and always competitively priced.

Made from chemical and weather-resistant materials, our carts offer clear, concise labeling.

O2 carts and regulators come with combo aircraft charge adapters

Tilting carts that lock when loaded offer easy loading of heavy gas bottles.

Detailed manuals for all units provide easy-to-follow operation and maintenance instructions, parts lists, recommended servicing procedures and safety precautions.

Outstanding service and support, 24/7 online parts ordering, fast warranty response and, knowledgeable, friendly staff is what truly sets AERO Specialties apart.

Heavy-duty fifth-wheel steering with large pneumatic wheels and a secure, simple towbar with actuated brake make our systems easy to tow and move by hand.

Surprisingly affordable, state-of-the-art booster pumps, driven by shop air or nitrogen decrease labor and gas costs.



3-Bottle Cart

All AERO carts offer interchangeable parts that use the same heavy-duty running gear components, making maintenance easy and efficient.

Whether you need a complete system or just a few parts, our knowledgeable technical staff can custom configure a solution precisely to your needs. Or, you can purchase any of our products or parts 24/7, straight from our secure online store. All equipment comes complete with a 1-year warranty, operation manual, and calibration certificates for all gauges.

Fully assembled and tested in a clean room, meeting the highest quality standards; our goal is to make O2/N2 service as reliable, user-friendly, and cost-effective as possible.

The obvious answer is: you can't afford to choose not to buy AERO Specialties oxygen and nitrogen equipment.

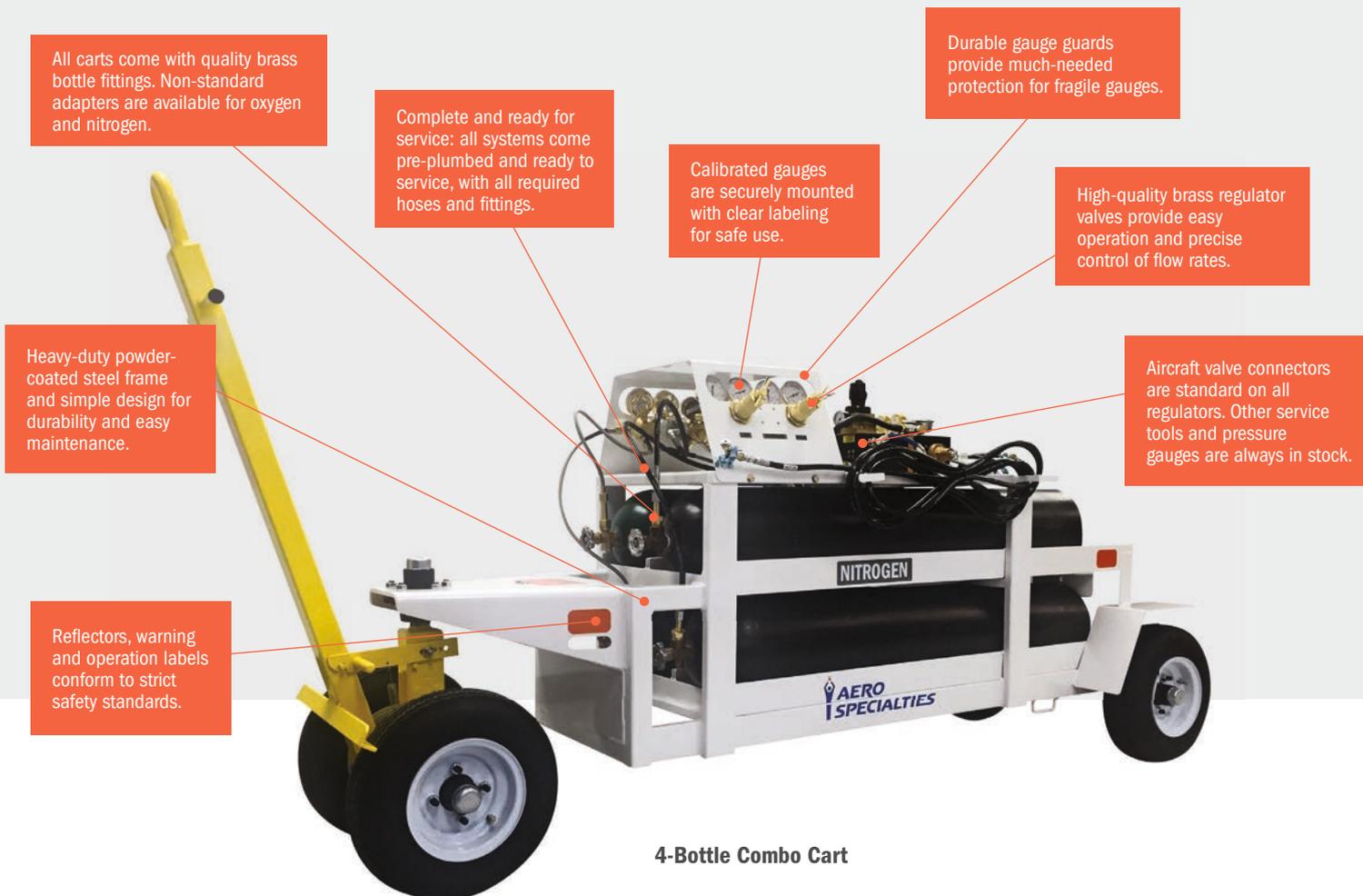
Our over-built carts provide an unparalleled level of safety and durability.

Part numbers and CE marks are clearly engraved on all carts.

Heavy-duty systems with high-quality boosters offer a long service life.

All oxygen-wetted components are cleaned in accordance with SAE ARP1176, Category 1B, Level 200A.

Our O2/N2 carts are designed to precise specifications and fabricated with the latest CNC and machining technology.



4-Bottle Combo Cart

Tilt and Tow Carts, Hand Carts

Tilt and Tow Carts Our tilting and towable O2/N2 carts have a compact, low-profile design with ample room for regulators, hoses, and boosters. Bottles load vertically, making the task a single person job. The indexed locking platform allows bottles to lock in multiple positions depending on the application. Pneumatic tires and/or front swivel casters which do not contact the ground while towing, allow for easy maneuverability by hand as well as provide superior stability.

Hand Carts Our tilting handcarts have a compact, stable design with booster capability. Bottles load vertically, making the task a single person job. Swing-down steel carriages allow the use of rear swivel casters for additional safety and control. Retractable caster wheels make this handcart inexpensive to ship, store and provide stable handling and security for boosters and regulator systems.

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4-Bottle Tilt and Tow



2-Bottle Tilt and Tow

Why Buy a Booster?

Boost your Resources Each of our compact, inexpensive boosters allow maximum utilization of oxygen and nitrogen bottles, effectively cutting costs and saving time. For example, without an oxygen booster, only 36 ft³ (1 m³) of volume can be used before the pressure falls below typical oxygen service requirements of 1,850 psi (127.5 bar). Because a full K-Cylinder of oxygen contains a volume of 251 ft³ (7 m³) at 2,200 psi (151.6 bar), our boosters allow usage of the additional 150 ft³ (4 m³) of volume. This equates to savings with every bottle.

The Big Payback In addition to the hard cost savings on gas, the O₂/N₂ boosters will allow a drastic reduction of your operation's staff time for servicing aircraft. You can also cut down on your in-house inventory of bottles because you won't need nearly as many backup bottles. We offer a heavy-duty system with boosters manufactured with high quality and durable brass, monel and 6061 anodized Aluminum manifolds for good heat rejection and long service life, making our boosters a no brainer.

Our over-built carts provide an unparalleled level of safety and durability.

Part numbers and CE marks are clearly engraved on all carts.

Heavy-duty systems with high-quality boosters offer a long service life.

All oxygen-wetted components are cleaned in accordance with SAE ARP1176, Category 1B, Level 200A.

Our O₂/N₂ carts are designed to precise specifications and fabricated with the latest CNC and machining technology.



2-Bottle Hand Cart



Nitrogen Booster



Oxygen Booster

Why buy from AERO?

Let us break it down for you:

With more than 30 years' experience in the design and manufacturing of ground support equipment, AERO Specialties is the leading supplier of the highest-quality, most cost-effective ground support equipment available. All equipment is significantly over-built, providing a factor of safety and durability no competitor can equal. With a loyal customer base of more than 21,000 clients globally, we are the preferred choice of FBO chains, ground handlers, airlines and military customers.

At AERO Specialties, we manufacture and distribute only the highest quality industrial-grade aircraft GSE on the market, providing complete

aircraft ground support equipment solutions to corporate, FBO, MRO, military, airline and general aviation customers. Our offerings include towbars and heads, oxygen and nitrogen systems, lavatory and potable water carts, ground power units (GPUs), stairs and stands, tractors and tugs, hydraulic service systems, air conditioning and heating systems, loaders, ramp safety equipment and more.

Contact us today or visit our convenient online store to discover just how safely and efficiently AERO can help you get off the ground!

■ Aviation Safety Equipment

Our line of Aviation Safety Equipment (ASE) is designed to make common aircraft servicing mishaps a thing of the past.

Getting the aircraft off the ground is always the goal, but doing so should never compromise your staff, customers or the aircraft. That's why AERO Specialties has incorporated new safety features into most of our aircraft ground support equipment. Towing, ground power, hydraulic power, lavatory service or any other servicing sector—we are dedicated to helping protect your staff, customers and your bottom line.

We are constantly expanding the ASE initiative into all aspects of business, making our equipment the safest choice for your aircraft operations. New product developments such as SiPsHitch™ and Safe-Lav™ have revolutionized the industry and you can count on AERO to continue providing only the safest and most user-friendly equipment available.



■ Tow Force Monitoring System

Distractions, unfamiliarity and lack of proper training are just a few issues that can lead to expensive aircraft towing incidents. SiPsHitch™ is an add-on option for all makes of towbar type tractors which provides never-before-seen levels of protection and training for towing operations.

SiPsHitch™ is designed to assist in the prevention of shear pin breakage and aircraft nose gear damage that often occurs during towing. It visually and audibly alerts the operator of a potential shear pin breakage or impending hazard to the landing gear before it happens. The system records aircraft tail numbers, aircraft movement details, and stress event logs. SiPsHitch™ can even restrict tractor power output before overstress and damage to the aircraft nose gear occurs.



■ JetGo Diesel-Hybrid GPUs

Equipped with the highest continuous amperage in their class with superior, safe starting amperage from the hybrid design, our groundbreaking new line of JetGo GPUs feature the well-proven watercooled Deutz 2.9TD diesel engine, designed to perform in the most arduous environments and the busiest of ramps.

Standard 'breakaway' output cables, LED floodlights, active overvoltage protection systems, and OptiTune™ fine voltage adjustment on every unit ensures they are suitable and safe for every 28V DC aircraft.



Need more GSE? Let AERO help you.

■ Oxygen and Nitrogen Systems

Our oxygen and nitrogen systems provide the best value, quality and durability in the industry. We offer complete systems or individual components.



■ Lavatory and Water Carts

Business and regional aircraft, narrow-body and wide-body; we cover it all. We manufacture the finest lav and water carts on the planet. Our units are cost-effective, simple to use, and easy to maintain.



■ Hydraulic Power Units

Standard features of our hydraulic power units include a digital interface, data screen and programmable airframe service parameters, making our units the safest on the market. We custom-build each unit specifically for your application, providing an easier, quieter, higher-quality, and more efficient solution that has set a new standard for hydraulic servicing!



■ Solid State GPUs

AERO Specialties' line of solid-state power units has set a precedent for safety, precision, reliability, and ease of use. Units are available in both 28.5V DC and 400Hz configurations.



■ Portable Power Units

We offer a full line of portable aircraft starting units and continuous power units that are affordable, durable and dependable solutions for 12 to 28.5V DC aircraft and helicopter power requirements.



■ Secure Online Store

With a wide range of parts and supplies available in-stock, from towbar heads to ramp safety equipment, our online store provides efficiency in ordering through a secure, user-friendly interface.



■ Maintenance Stairs and Stands

Our stands tower over the competition! At AERO Specialties, we offer a wide array of stairs and stands for any application, from passenger boarding and crew access to customized maintenance applications.



■ TLD Ground Support Equipment

With over 60 years in business, TLD is the global leader in the design, development, and manufacturing of ground support equipment as well as support after the sale. TLD is found on all major airline tarmacs and within high priority military operations, and AERO is proud to be their primary general aviation and military distributor.

