

Firefighter Air Replenishment Systems



FARS Background

Firefighters need water and breathing air to effectively perform their mission. In high rises and large buildings, standpipes are required to provide water to each level. The 2015 International Fire Code, Appendix L, took this a step further by calling for **Firefighter Air Replenishment Systems (FARS)**. FARS are essentially additional standpipes specifically installed to provide air supply to fully committed firefighters, who otherwise would have to rely on “bottle brigades” to manually bring them air canisters.

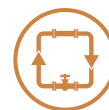
Typical new construction installations consist of filling stations located throughout the building, along with a secure connection panel located at the exterior of the building, per local jurisdiction specifications. Firefighters are able to fully replenish their Self Contained Breathing Apparatus (SCBA) air tanks in under two minutes. Refilling their tanks within the building enables firefighters to save energy by not having to exit the building, fill tanks, and re-enter. It also removes the need for manual “bottle brigades,” which frees trained firefighters for more urgent tasks, and increases safety.

Installation of these systems is very specialized as it involves pulling seamless stainless steel tubing up through stairway shafts protected by two-hour fire enclosures. This building installed system is comparable to those used by medical facilities for the delivery of oxygen and other medical gases.

As more cities and jurisdictions embrace FARS, you can count on TDIndustries, one of the only Texas FARS-certified installers, and our technical expertise to effectuate a smooth installation — done right the first time from start to finish.

The TDIndustries Difference

- Completed the first FARS installation in Texas
- Dedicated Process Solutions Team
- One of the first Certified Rescue Air System Installers in Texas
- Ultra High-Purity (UHP) Stainless Steel Installation Expertise
- 50 Orbital Welding Operators
- 25 Orbital Welding Machines
- Med-Gas Certified Technicians
- In-house UHP manufacturing shop



TDIndustries Completes First FARS Install In Texas

TDIndustries is proud to have recently completed the first FARS installation in Texas. This 10-story, 330,000 sf commercial office building in Plano, Texas required our specialized process mechanics to install 2-connection stations on the 3rd, 6th, and 9th floors. Our team welded all of the piping onsite by transporting one of our orbital welding machines to the jobsite. While the installation was a highly technical procedure, TD's organizational training provided a smooth project. TDPartners (employees) are commonly trained well beyond basic requirements, and TD aggressively pursues additional training and preparedness for quick turnaround installations such as this one. TD stocks necessary materials and tooling at each storage facility, and has numerous orbital welders and trained TDPartners ready to operate them with short notice.

Peace of Mind

Contact TD during budget development for dependable, one-stop, turnkey solutions — from design through installation.

Process Solutions Team

TDIndustries offers companies in industries like semiconductor, pharmaceutical, university research, biotech, food & beverage, solar, gas, and chemical an array of innovative process manufacturing, construction, and facilities solutions. Throughout the years, TD has partnered with our customers to solve complicated time-to-market issues, by leveraging our efficient manufacturing processes. Furthermore, we respect the sensitive nature of your business and have experience working with secure, proprietary information. Along with our focus on safety, your company's success is our number one goal.

TDIndustries offers one-stop turnkey solutions for FARS. Contact TD during budget development and put our comprehensive resources to work to meet your FARS compliance needs. You can trust TD to take care of everything from design to procurement and installation.

To support the efforts of the Process Solutions team, we have a dedicated manufacturing shop with clean room capabilities. This 8,000 sf space is home to TD's fabrication of stainless steel, plastic, copper, and carbon steel assemblies.

Process Solutions
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Our Life-Cycle Offerings

- Automation/Controls and Integrations with 24/7/365 Monitoring Capability
- Construction (New, Renovation and Expansion)
- Electrical/Lighting
- Emergency Services
- Energy Audits and Solutions
- Facilities Operations
- Fire/Life Safety Systems
- Generators
- Restaurant Equipment Services
- Utility Metering/Sub-Metering Generators
- HVAC/Mechanical
- Landscape Irrigation
- Indoor Air Quality
- Lean Manufacturing
- Planned Maintenance
- Plumbing
- Prefabrication
- Process Solutions
- Refrigeration



At the Heart of Your Building