



CASE STUDY

DoubleTrac® Stainless Steel Piping for Marinas

- Saves Time
- Saves Money
- Increases Installation Options

Product:

DoubleTrac® Stainless Steel Double Containment Fuel Piping for UL1369 Listed Aboveground Fuel Piping Used for Marinas

Location: Hilton Head, South Carolina

Built for Protection When the Unexpected Happens

A Real-World Test at Palmetto Bay Marina

In the early morning hours of July 29, 2026, a major fire broke out at Palmetto Bay Marina on Hilton Head Island, South Carolina. The incident was significant, resulting in extensive damage to multiple boats and surrounding marina infrastructure.

In an environment where fuel and vessels exist in close proximity, a fire of this magnitude carries an even greater risk: damage to fuel piping which could further fuel the fire and significantly escalate an already dangerous situation.



Palmetto Bay Marina, Hilton Head.

Fortunately, Palmetto Bay Marina had an added layer of protection in place: DoubleTrac piping system.

Proven Performance When It Mattered Most

Designed for demanding fuel transfer applications, the DoubleTrac system features fittings that form a metal-to-metal seal, creating a robust and reliable piping connection.

Despite the severe conditions during the Palmetto Bay Marina fire, the DoubleTrac piping system stayed intact maintaining the integrity of the fuel piping connection, helping keep the fuel contained within the system rather than allowing it to become an additional source of fuel for the existing fire.

For Palmetto Bay Marina, the DoubleTrac 316 Stainless Steel Primary and all metal-to-metal seal demonstrated the value of a pipe system designed with strength, integrity and reliability at its core. The incident demonstrates the value of designing fuel infrastructure not only for everyday operation, but also with unexpected events in mind.

Why DoubleTrac Piping for Marina Fuel Systems?

Marinas create unique challenges for fuel piping. Systems must navigate docks and complex layouts while operating in environments continuously exposed to moisture, movement and changing conditions. The metal-to-metal seal is one component of the system designed specifically for demanding fuel-transfer applications. DoubleTrac also provides:

- **Double-wall construction** – Provides secondary containment around the primary fuel-carrying pipe for an additional layer of protection.

(continued on back)



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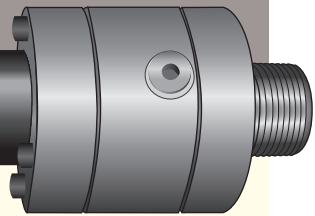
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DoubleTrac® Stainless Steel Piping for Marinas



(continued from front)



A major fire broke out at Palmetto Bay Marina on Hilton Head Island, South Carolina, resulting in extensive damage to multiple boats and surrounding marina infrastructure.

- **Flexible stainless-steel piping** – Makes it easier to navigate complex marina layouts and changes in direction.
- **Fewer connections** – Long, flexible piping runs can reduce the number of joints and potential leak points compared with traditional rigid piping installations.
- **Continuous secondary containment** – Provides protection throughout the piping run rather than only at individual connection points.
- **Corrosion-resistant construction** – Well suited for demanding environments where exposure to moisture and harsh conditions is a concern.

More Than a Fuel Line

The Palmetto Bay Marina fire demonstrates why the details behind a fuel piping system matter.

When designing fuel systems for marinas and other critical applications, performance isn't only about efficiently moving fuel from one point to another. It's also about considering what happens when conditions are anything but normal.

The Palmetto Bay Marina fire demonstrated the importance of specifying a fuel piping system designed to perform when conditions are at their most demanding. In a real-world emergency, DoubleTrac demonstrated the strength and reliability it was engineered to provide.

DoubleTrac is UL 971A listed for Belowground Applications and UL 1369 listed for Aboveground Applications, with special use ratings for marina applications, a 2-hour fire listing within UL 1369, with continuous interstitial monitoring over the complete secondary length.

DoubleTrac also holds an ICC-ES-ESR 4565 listing for Seismic movement for all applications, reinforcing the system's ability to accommodate movement, an important advantage in marina environments where docks are continuously subjected to movement from waves, wakes, tides and changing water levels.

DoubleTrac — Flexible Fuel Piping. Secondary Containment. Added Protection.

