



Small Package - Big Results

Creating A Small Footprint in the Big Apple

In a crowded city like New York, space is a premium – especially in a confined area like a mechanical room. Out-dated tank-type steam/water heaters occupy valuable real estate in many buildings and have a host of additional drawbacks including:

- High energy consumption to heat and maintain a reserve hot water supply
- Prone to corrosion and leaking over time
- Difficult to repair and tank replacement often requires structural modifications to the mechanical room or building
- Potential health risk as tank-type heaters amplify colonization points for Legionella bacteria
- Intensive and on-going maintenance

Paul DeCanio knows the headaches caused by tank-type heaters. He's the chief engineer of a 44 story, 1+ million square foot commercial building in the heart of Manhattan. With more than 29 years as an engineer in the Big Apple, chief DeCanio has first-hand experience in dealing with the issues caused by tank-type heaters. "Tank heaters are energy hogs that require constant attention and maintenance. They're huge and can't keep pace with the domestic hot water needs by tenants of commercial buildings," chief DeCanio said.

Chief DeCanio, a veteran of the United States Navy, is an accomplished engineer and welder,



Inefficient and bulky tank-type heaters are prone to corrosion and leaking.



Armed with a cutting torch and safety goggles, Paul DeCanio dismantles this bulky beast to make way for sleek, compact and energy efficient Armstrong Flo-Rite-Temp® instantaneous hot water heater.

and has eight United States patents to his credit. His training and skills have enabled him to go to war with tank-type heaters. Chief DeCanio has battled with tank heaters in many prominent New York high-rises including other buildings. It's unusual for someone in his position to do the installation, but chief DeCanio has an inventive nature and when he sees a problem, he goes to work on solving it.



Trading Bulk for Beauty

Instantaneous steam/water heaters eliminate the need for a bulky hot water storage unit. But the beauty of these systems is more than just skin deep.

Unlike “feedback” tank-type systems that are reactive and often slow to respond to temperature adjustments, “feed-forward” systems like the Armstrong Flo-Rite-Temp®, eliminate the temperature sensing feedback element and rely upon the actual hot water system demand requirement within the system or application. This unique feed-forward design allows the system to respond rapidly and with extremely accurate temperature control. Other advantages of the Armstrong Flo-Rite-Temp® feed-forward system include:

- Space saving (less than seven square feet required) and energy efficient
- Fast and accurate response that eliminates temperature swings
- Eliminates potential health hazards like Legionella bacteria growth associated with standing water
- Easy to install and maintain

Small Package. Big Results.

“Don’t let its small size fool you,” chief DeCanio says. “The Armstrong Flo-Rite-Temp® does the work of a traditional tank type heater many times its size and with much less maintenance.” There’s really no comparison and no good reason to stick with a traditional tank-type heater chief DeCanio said.



Chief DeCanio installed the Armstrong Flo-Rite-Temp®, which saved the building owner the cost of installation. The Flo-Rite-Temp® is also compact, requiring less than seven square feet, which also saved valuable space. The three heaters pictured here have a capacity of 34 gallons per minute each. The system was up and running within a few hours.

