

# Hydronic Connection

A publication of J.M. O'Connor, Inc. and the Taco Distribution Center

## Kim Adams: Thirty Years of Loyal Service.....and Counting!



It was thirty years ago that Kim Adams came to interview for a filing clerk position at what was then J.M. O'Connor's sister company. She's held several positions over the years but has a deep love for serving the TDC Reps all over the United States in the role she holds as TDC Manager and Buyer.

According to some of her co-workers, here are some of the things that make Kim a great team member:

1. Kim has always been that person that really cares about what she does and that showed the first time I met her.
2. Kim loves what she does and that is the foundation of her providing amazing customer service and going above and beyond for her customers.
3. Kim builds relationships with her customers and cares about them.
4. Kim has good character. She has integrity and she strives to always be honest. An example of this is that she always reports overages on shipments so that the factory is aware and can bill us appropriately.
5. She's always fun to be around and "all in" on whatever we are doing at JMO.
6. Kim is a timesaver. Anytime I get a call about a Taco item no longer made or a part number for an old Taco model, I can quickly get an answer from Kim regarding replacement, in seconds, saving myself and my customer a lot of time.

J.M. O'Connor is grateful for Kim's hard work and dedication to serve customers in a way that is second to none. Her contribution to the company has made the TDC a valuable tool for Taco Representatives nationwide. All of us at JMO and the TDC want Kim to know we are thankful for her service! Here's to many more!

## Taco 0026e and 0034e ECM High-Efficiency Circulator Shortages

Due to global supply chain shortages, as you probably know, production of the Taco 0026e, 0034e, and 0034ePlus ECM high-efficiency circulators has been placed on hold.

The TDC has other Taco 00 Series Circulators in stock that may be able to help take care of your pressing needs while these supply shortages are being addressed.

Depending on the flow and head required for your application, the Taco 0026e-F2 & 0026e-SF2 may be able to be replaced by the Taco 0010, 0011, 0012, 0012 3-Speed or 0014 circulators, the 2400-10 through 2400-40 models, as well as the 110, 111, 112 & 113 Series Inline Circulators.

Currently, the TDC does have some of the 0034e-F2 and 0034ep-F2 in stock. Once those are no longer available, or if a stainless model is required, the 0034e models may be replaced by the Taco 0009, 0010, 0011, 0012, 0012 3-Speed, 0013, 0013 3-Speed or 0014 circulators, the 2400-10 through 2400-40 models, as well as the 110, 111, 112 & 113 Series Inline Circulators, depending on the flow and head required.

Due to other ongoing shortages Taco is experiencing, the TDC is doing our best to provide stock solutions each day. We may even have stock on less common circulator models that you might not have previously considered when looking for a good fit for your customer's situation.

Call, [e-mail](mailto:info@tacodistribution.com), or stop by [www.tacodistribution.com](http://www.tacodistribution.com) today and let us help you with all of your Taco parts, pump and accessory needs!



## Taco Bladder Style Expansion Tanks and How They Compare

Expansion Tanks in closed loop hydronic systems serve the purpose of managing system pressure by allowing the water to expand within the tank as the system water heats up and pressure within the system increases.

Captive air tanks with a bladder or diaphragm are currently most commonly used in the industry. These tanks give positive separation between the air and water within the system. There are three styles of captive air tanks:

1. Full Acceptance Bladder Style Tanks
2. Partial Acceptance Bladder Style Tanks
3. Partial Acceptance Diaphragm Style Tanks

The full acceptance bladder tank has an internal bladder that's size matches the size of the tank. So a 100 gallon tank will have a 100 gallon bladder. These expansion tanks offer a long tank life as the bladder is large enough to expand to the wall of the tank in the event of a tank being undersized or improperly charged.

The Taco CA Series Expansion Tanks are designed to solve a long time problem in the hydronics industry by utilizing a butyl rubber bladder to permanently separate the air charge from the system fluid in the expansion tank. In old style, non-bladder type tanks, the air to water interface allowed air to be absorbed back into the system fluid and carried to other parts of the system causing corrosion, inefficient balancing, pump cavitation, air bound terminal units and waterlogged tanks.

We typically recommend the Taco CA Full Acceptance Style Bladder Tank for jobs requiring a tank size that is greater than 75 gallons and can be mounted vertically or horizontally.



Taco PAX Series Potable Water Expansion Tanks

In partial acceptance bladder style tanks, the bladder size is less than the tank size. So a 100 gallon tank may have a bladder that only holds 65 gallons of fluid.

The Taco CBX is a partial acceptance bladder style tank. We typically recommend this style tank for medium-sized jobs requiring 25 to 75 gallons of acceptance.

The Taco PAX Series are also a partial acceptance tank designed for use in potable water systems. Both CBX and PAX tanks are designed for vertical installation.

The greatest benefit of both full acceptance and partial acceptance captive air tanks is that the bladders can be replaced should the need arise.

The partial acceptance diaphragm style tanks don't have a replaceable bladder, but instead have a diaphragm that expands as water is accepted into the tank. The air is held captive by the use of a diaphragm with the expanded water being held on one side of the diaphragm and air on the other.

The diaphragm style tank is typically the least expensive of the three captive air type of tanks, but if the diaphragm fails the entire tank would need to be replaced. Therefore we typically recommend this tank style in smaller applications requiring 25 gallons of acceptance or less.

Taco's CX Tank is a diaphragm style expansion tank and can be mounted vertically or horizontally.

The TDC stocks Taco's complete line of bladder and diaphragm style captive air tanks, each in a variety of sizes to fit a wide range of applications.



Taco CA Series Expansion Tank



Taco CX Series Expansion Tank

## Getting to Know You Warren Jurgens, JMO Lenexa Branch Manager

Warren has thirty years in our industry as an outside sales engineer calling on HVAC engineers and contractors. He has a broad knowledge of systems and equipment with emphasis on pumps, hydronics, boilers, cooling towers, and heat transfer. An excellent educator, Warren teaches JMO training classes on pumps, boilers, hydronics, and heat exchangers.



In addition to his love for teaching others about hydronics, he also has a love of music that goes back to his childhood. Warren is an accomplished singer, songwriter and skilled guitarist. Here's some more about Warren:

- If you could live anywhere, where would it be? **Colorado, in the Mountains**
- What motivates you to work hard? **Getting in front of a group to present**
- What is your favorite thing about your career? **That I get the opportunity to teach and share what I have learned over the years with others**
- What is your favorite game or sport to watch and play? **To play: Ultimate Frisbee.....To watch: Professional Football**
- What would you sing at Karaoke night? **Joe Cocker - Feeling Alright!**
- Aside from necessities, what one thing could you not go a day without? **Playing Guitar**
- Is your glass half full or half empty? **Depends on the day! But mostly half full**
- What was your first job? **Bicycle Shop Mechanic**
- What is your personal philosophy? **Change is Inevitable. Growth is Optional**
- What would you do (for a career) if you weren't doing this? **College Professor**
- You're happiest when? **Gigging and playing music with good friends**



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