

Taco Comfort Solutions

Building
the best
fabricated
products
in the
industry!

www.TacoComfort.com





Taco, Inc.,
1160 Cranston Street,
Cranston, RI 02920

(401) 942-8000

Taco (Canada) Ltd.,
8450 Lawson Road,
Unit#3, Milton,
Ontario L9T 0J8

(905) 564-9422

www.TacoComfort.com

©Taco Catalog #300-60
Effective Date: 07/03/23
Supersedes Date: 09/16/19

Printed in USA

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A Culture of Pride.

For over 100 years, Taco has been committed to designing and manufacturing innovative and dependable HVAC, plumbing, and industrial solutions.

Taco's 75,100 sq. ft. fabrication facility located in Fall River, Massachusetts—USA, manufactures ASME Section VIII Div. 1, ISO 9001 and NSF-61 certified products. We design, fabricate and test both custom and standard heat transfer units, expansion tanks, air & dirt separators, hydraulic balancers, and other specialized pressure vessels.

Engineering capabilities...

The engineering capabilities of our ASME dedicated design team extend even further, fulfilling custom requests to meet unique requirements.

With equipment in-house, we can lift 20 tons, roll 1 1/4" plate, cut 5" steel or 2 1/2" stainless steel, and weld with flawless precision and consistency. These capabilities, with our streamlined manufacturing process, allow us to provide quality products and fast, flexible lead times—even emergency replacements.

All phases of the fabrication process are handled by our team of experienced professionals. Their skill and expertise stem from a culture of pride and close attention to detail, resulting in industry-leading quality and customer satisfaction.

Becoming part of the Taco Family opens the door to a vast network of support. Questions can be answered with a phone call to our knowledgeable support staff. System and product trainings are offered throughout the year to help advance your professional development. We believe in the shared success of all members of the Taco Family, and that includes you.

To find the Taco REP nearest you
go to www.TacoComfort.com



Taco Tags



The award-winning Taco Tags use wireless NFC technology to provide you with all relevant information, for a specific product, right on your phone. Detailed specifications, technical documents, instruction manuals, how-to videos, and more, are all quickly and easily accessible. This digital library contains the most up-to-date information for that specific piece of equipment.

By utilizing the power of Taco Tags, Taco is ensuring you have the resources you need to make fast, informed decisions in the field, increasing your productivity while saving you time.

Taco Tags set a new standard for customer support and in 2019 they received the AHR Expo Innovation Award for the most inventive product and technology.

Available on Android and Apple Devices.

- Product Specifications
- CAD/REVIT Files
- Submittal Sheets
- Repair Parts Info
- Order Info
- Technical Support
- Taco Rep Info
- Catalog Sheets



Heat Exchangers

PF Series Plate & Frame



Taco PF Series Plate & Frame Heat Exchangers are designed, constructed, and tested to ASME Section VIII, Div. 1 requirements. Our digital product selection app helps you choose the right plate & frame heat exchanger for the job.

Connection sizes: 1"–20"

Working Pressure: 150, 300PSI

Max Standard Operating Temp: 230°F †

TB Series Brazed Plate



Rugged, reliable Taco Brazed Plate Heat Exchangers represent the latest technology in high-performance heat transfer products. These compact units feature copper-brazed, Stainless Steel plates that offer a highly efficient, low-fouling transfer service. Optional ASME Section VIII, Div. 1 certified models available.

Connection Sizes: 3/4"–6"

* Optional Higher Pressures Available
† Optional Higher Temperatures Available

Shell & Tube



Single Wall & Leak Guard Double Wall

Steam to Liquid—Liquid to Liquid

Diameters: 4"–30"

Max. Standard Length: 10'

Working Pressure: 150PSI*

Max. Standard Operating Temp: 375°F †

Tank Heating Units



Single Wall & Leak Guard Double Wall

Diameters: 4"–20"

Max. Standard Length: 10'

Working Pressure: 150PSI*

Max. Operating Temp: 375°F †

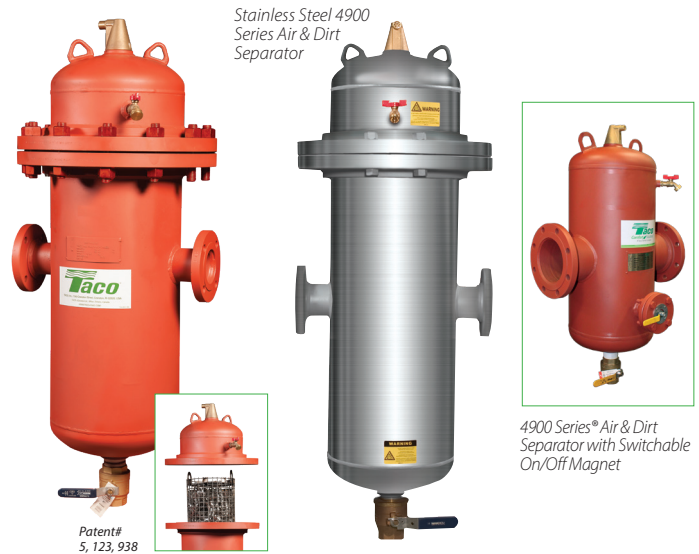
Air & Dirt Separators

Air Separators



Connection Sizes: 2"–36"
Working Pressure: 125, 150, 250, 300PSI*
Max. Operating Temp: 375°F†

4900 Series® Air & Dirt Separator



Stainless Steel PALL Rings provide micro air bubble removal to 18 microns. Dirt and other particle removal below 5 microns.

Connection Sizes: 2"–36"
Working Pressure: 125, 150PSI*
Max. Operating Temp: 240°F †

Optional removable Heads & PALL Ring baskets (recommended on open systems).

Optional on/off style Neodymium magnet assembly

* Optional Higher Pressures Available
† Optional Higher Temperatures Available

ACT Tangential Air Separators



Save money and extend the life of system pumps, piping, and components with Taco ACT Series air removal units.

Connection Sizes: 2"–36"

Working Pressure: 125, 150PSI*

Max. Operating Temp: 375°F †

Optional Stainless Steel removable strainer available.

5900 FlexBalance & 5900 FlexBalance~Plus Hydraulic Balancer



The patented 5900 FlexBalance & FlexBalance~Plus Separators act as a hydraulic bridge between the primary and secondary circuits in hydronic heating and cooling applications.

The FlexBalance~Plus product line incorporates PALL Ring technology for deep micro-bubble and dirt removal.

Connection Sizes: 2"–12"

Working Pressure: 125, 150PSI*

Max. Operating Temp: 240°F †

Tanks

Buffer Tanks



Capacity: 50–3,000 gal. (190–11,356 L)

Connection Sizes: 2"–12" Standard

Working Pressure: 125PSI*

Max. Operating Temp: 375°F †

Available with a wide range of standard insulation packages.

Larger sizes available

Multi-Purpose Tanks (MPT)



Polished Stainless Steel MPT

These chilled water & hot water tanks are built to last.

Capacity: 50–1,050 gal. (190–3,975 L)

Connection Sizes: 2"–12"

Diameter: 20"–84"

Height: 43"–145"

Working Pressure: 125, 150PSI*

Max. Operating Temp: 240°F †

Available with a wide range of standard insulation packages.

* Optional Higher Pressures Available
† Optional Higher Temperatures Available

Expansion Tanks

CA Expansion Tanks



Capacity: 23–3,962 gal. (90–15,000 L)

Working Pressures: 125, 150, 175, 250, 300PSI*

Max. Operating Temp: 240°F †

Field replaceable, heavy duty, full-acceptance butyl bladder removes easily for inspection.

Available with NSF / ANSI 61-G Certification.

CAF Flow Through Expansion Tank



Designed to help reduce the environmental conditions that help bacteria flourish in domestic hot water systems.

Capacity: 23–660 Gallons (90-2500 Liters)

Diameters: 20–48"

Height: 34–115 3/8"

Max. Flow: 55–200 GPM (Higher Flows can be accommodated by using alternate piping diagram shown in IOM)

Standard Pressure: 125 PSI (8.6 bar) Higher Pressures Available

Max. Operating Temp.: 240°F (115°C)

Field replaceable, heavy duty, full-acceptance butyl bladder removes easily for inspection

NSF/ ANSI 61-G Certification

Expansion Tanks

PAX Expansion Tanks



Field replaceable, heavy duty partial acceptance butyl bladder design for potable water systems. Available with NSF/ ANSI 61-G Certification.

Capacity: 8–132 gal. (30–500 L)

Working Pressures: 150PSI*

Max. Operating Temp: 240° F †

Micro PAX Expansion Tanks



Field replaceable, heavy duty partial acceptance butyl bladder design for potable water.

Capacity: 2.6–6.6 gal. (10–25 L)

Working Pressures: 150PSI*

Max. Operating Temp: 240° F †

CBX Expansion Tanks



Field replaceable, molded butyl membrane allows permanent separation of air and hydronic system fluid. Field removable partial acceptance membrane design specifically developed for smaller heating and chilled water systems.

Capacity: 4–212 gal. (15–802 L)

Working Pressures: 125, 150PSI

Max. Operating Temp: 240°F

CX Expansion Tanks



Heavy-duty butyl diaphragm allows permanent separation of air & water.

Capacity: 8–92 gal. (29–350 L)

Working Pressures: 125PSI

Max. Operating Temp: 240°F

PS Expansion Tanks



Available in vertical or horizontal configurations.

Capacity: 15–515 gal. (57–1,950L)

Working Pressures: 125, 150PSI*

Max. Operating Temperature: 375°F

Most Taco Expansion Tanks are available with either bladders or diaphragms so that water and air are permanently separated. No absorption can take place at any point during the system cycle, and you avoid the problems of waterlogged tanks, air-bound terminal units, excessive corrosion, inefficient balancing and pump cavitations. Exterior red oxide primer finish comes standard on all models.

All fabricated products are designed, constructed and tested to ASME Section VIII, Div. 1 requirements. (Braze Plate Heat Exchangers optional)

* Optional Higher Pressures Available

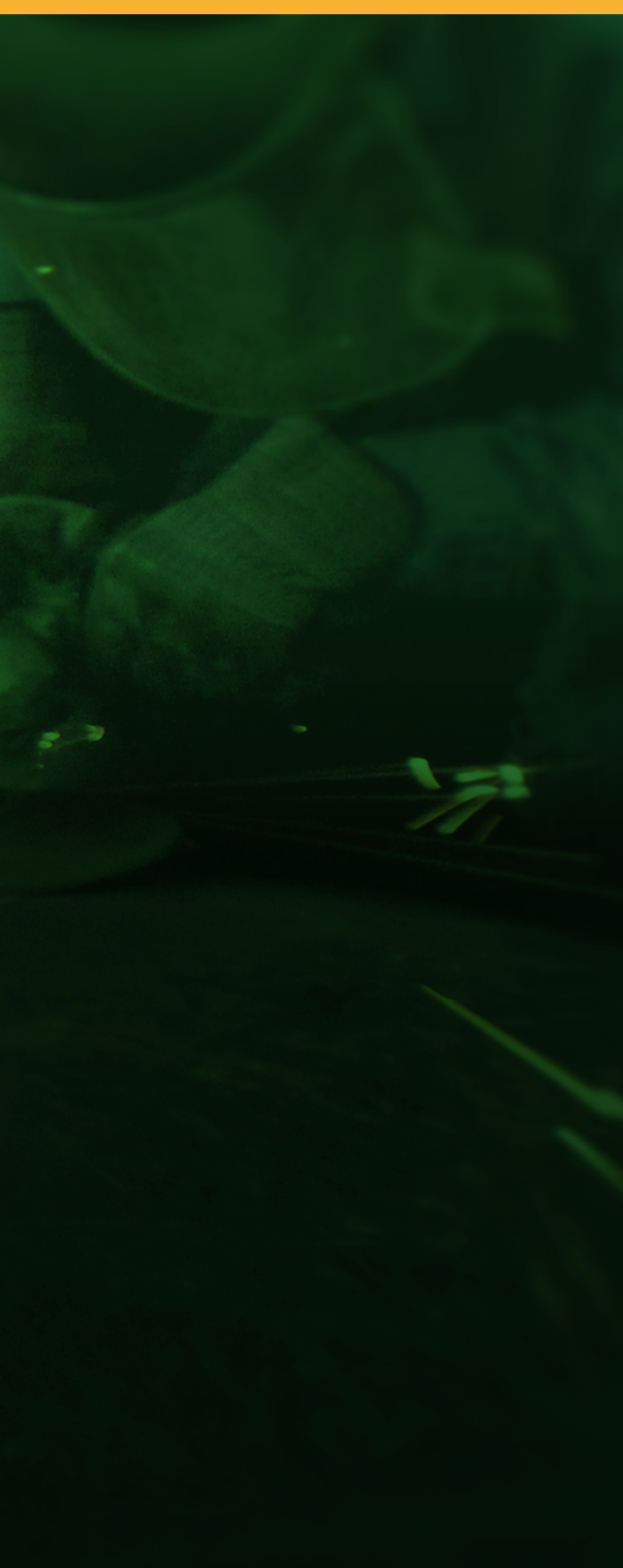
† Optional Higher Temperatures Available



World Class Custom Engineering

Taco has grown to become a premier custom fabrication provider among global manufacturers.

Our veteran team of leading engineers, welders, assemblers and customer support carry with them an extensive wealth of industry knowledge, design logic and technical experience. From start to finish, our focus is set on delivering a finished product that exceeds expectations.



Customized variations of all standard designs are available. Some other examples of custom projects include, but are not limited to:

- ➔ Flash Tanks
- ➔ De-Aerator Tanks
- ➔ Clean Steam Generation
- ➔ Instantaneous Water Heaters
- ➔ Domestic Water Storage Tanks

Customized Thermal Energy Storage Tank Solutions

- ➔ Reduce first cost and operation cost with a smaller UPS footprint
- ➔ Constant chilled water temperatures for reliable data center cooling
- ➔ Flexible installation configurations

We are **YOUR PARTNER** in collaboration for your specific job requirements

- ➔ **Space Constraints**—the right tanks for your needs
- ➔ **Performance Validation (CFD)**—Simulation results for performance assurance
- ➔ **Delivery**—The right solutions at the right time



Flexible Lead Times

With ASME certified welders, certified testers and a National Board Authorized Inspector in-house, Taco has the team and equipment needed to offer you fast, flexible lead times and accommodate quick-turnaround, emergency requests.

Area

- 75,100 sq. ft.
Manufacturing floor

Door Sizes

- (5) 14' x 14'

Cranes

- 20 Ton bridge crane with (2) 10 ton hoists
- (2) 10 Ton bridge
- (3) 5 Ton bridge
- (3) 2 Ton bridge
- (10) 1 Ton bridge
- (3) 1/2 Ton bridge
- (10) 1 Ton jib

Fork Lifts

- 6,000 lb.
- 5,000 lb.
- 4,500 lb.
- 4,000 lb.
- 400 lb.

Plate Rollers

- 1¼" x 10'
- 5/16" x 6'
- 10 ga x 5'

Plate Burning

- 10' x 25' CNC burn table
- 8' x 25' CNC burn table up to 5" thick

Fabricating Machinery

- 30" x 20 Ton press brake
- 18" Automatic band saw
- 30" dia. Pipe cutting pantograph
- 6 ft.³ Tumble blaster
- 6' dia. Shot blaster - table type
- Stamping & assembly presses
- 48" x 120" Tank assembly press
- 24" x 96" Tank assembly press
- 24" x 72" Tank assembly press

Positioners & Manipulators

- 12' x 12' Manipulator
- 6' x 6' Manipulator
- 4' x 4' Manipulator
- 54,000 lb. Positioner
- 6,000 lb. Positioner

Tank Rollers

- 45,000 lb.—Multiple

Welding Machinery

- (16) Manual FCAW welders
- (3) Automatic FCAW welders
- (10) Manual plasma cutters
- (2) SAW longitudinal seam welders
- (2) SAW girth welders
- (3) SAW girth welding lathes
- (12) Pulse MIG welders
- (3) GTAW welders
- SMAW welder
- Genesis CRZ cutting & welding cell
- Genesis CM-3X dual robot cutting & welding cell
- Horn style A/C spot welder, 36" throat depth

Tube Bending

- (3) Pines rotary draw tube benders
- Manual tube bender for ¾" and larger

Tube Cutting

- 14" dia. Cold saw
- T-Drill automatic tube straightener & cutoff

Hydrostatic Testing

- Up to 2,000 PSI with 21,000 gal. capacity

CNC Machining Centers

- 122" x 47" Bridge mill
- 21" x 40" C-Frame VMC
- 80" x 42" Bridge mill
- Twin spindle, four-axis, vertical turret lathe
- 20" x 20", 3 axis, Vertical machining center

Conventional Machinery

- 54" Vertical boring mill
- 4' Radial drill
- 10" Engine lathes

Painting

- (2) Spray booths