

MISSION-CRITICAL

MAXIMIZING COOLING EFFICIENCY



Partner for Peace of Mind

For over 100 years, Taco has been a leader in providing water-driven solutions for mission-critical environments. *We don't just deliver products—we deliver peace of mind.*

WHO WE ARE

At Taco, we're not just a company—we're a trusted partner. With over 100 years of experience, we've established ourselves as a global leader in providing innovative, water-driven solutions for some of the world's most demanding industries, including data centers and semiconductor manufacturing.

Our approach combines deep expertise, cutting-edge technology, and an unwavering commitment to sustainability. Whether you're a contractor, installer, design engineer, specifier, or OEM, we support you every step of the way with comprehensive training, world-class support, and a portfolio of high-performing products designed to meet the toughest challenges.

We offer an extensive range of products that are tailored to the specific needs of data centers and semiconductor manufacturing. These include:



Pumps

Reliable, energy-efficient pumps that ensure uninterrupted flow in your cooling systems. Featuring the Taco patented SelfSensing ProBalance® technology for accurate, do-it-yourself system balancing, reducing costs, and extending pump life.



Tanks

Durable, versatile storage solutions are designed to elevate cooling systems' performance and reliability. Engineered to provide backup during peak demand, these tanks optimize system efficiency and ensure consistent operation, enhancing overall resilience and flexibility in a variety of applications.





Thermal Energy Storage Tanks

Flexible, energy-saving solutions that store chilled water for off-peak use, reducing energy consumption and operational costs.

Faced with skyrocketing data center cooling demands, Taco's innovative solutions provide unmatched energy efficiency and reliability.

Our Thermal Energy Storage Tanks help reduce peak load, enabling your facility to optimize energy usage and minimize operating costs—meeting the industry's need for sustainable growth and high performance.



Plate & Frame Heat Exchangers

Innovative heat transfer technology designed to maximize cooling efficiency while minimizing space and energy consumption.



Air & Dirt Separators

Systems that keep your cooling network clean by removing contaminants that can cause damage and reduce performance.

OUR PROMISE TO YOU



We don't just deliver products; we deliver results. Taco's solutions are engineered to help you build resilient, scalable cooling systems while lowering the total cost of ownership.

With Taco, you'll experience:

- » Sustainability & Efficiency: Achieve your sustainability goals by reducing energy consumption with our highly efficient systems.
- » End-to-End Support: From design to installation and throughout your system's lifecycle, we're with you every step of the way.
- » Innovative Products: With over 100 years of expertise, we continue to drive innovation in water-driven solutions for the mission-critical sector.

WHY CHOOSE TACO?

- » Proven Performance: Taco has a century-long legacy of delivering reliable, high-performance products backed by expert support and training.
- » Efficiency Meets Sustainability: Our solutions are designed to minimize energy consumption, improve cooling efficiency, and help you meet stringent sustainability targets.
- » Unmatched Customer Service: We take pride in our customer-first approach, providing not just products, but peace of mind. Taco partners with you to ensure your project is a success—today and in the future.
- » Commitment to Innovation: From developing the latest heat exchangers to optimizing energy storage, Taco remains at the forefront of cutting-edge water-driven solutions.

MISSION-CRITICAL RATED PRODUCTS



As the need for more efficient, liquid cooling systems grows, Taco's Mission Critical Rated Products help optimize cooling performance, reduce operational costs, and improve the overall efficiency of data centers and semiconductor facilities.

- » Upgraded Materials: Taco products feature durable, high-quality materials such as stainless steel and dielectric fluid compatibility, delivering reliability, efficiency, and longevity.
- » Energy Optimization: Our solutions help enhance chiller performance, reduce maintenance costs, and improve Power Usage Effectiveness (PUE).
- » Corrosion Resistance: Taco products are engineered to withstand harsh environments and maintain high performance over time.



TAILORED SOLUTIONS FOR EVERY TIER OF REDUNDANCY

Taco offers scalable solutions that meet the varying demands of data center redundancy, from simple Tier 1 to high-end Tier 4 configurations.

	Tier 1: Basic, reliable products for smaller systems.		Tier 2: Mid-range products designed for increased service life and enhanced performance.		Tier 3: Advanced systems with high-efficiency motors, corrosion resistance, and customizable features.	
KS Series and FI Series Pumps*	Cast Iron Casing 125# Flange Connection Ceramic/EPT Seal Stainless Steel Shaft ODP (open drip proof) Motor		Ductile Iron Casing 250# 125# Flange Connection Silicon Carbide/EPT Seal ODP (open drip proof) Motor		Ductile Iron Casing 250# Ni-Resist/Viton Seal (dielectric fluid-ready) 125# Flange Totally Enclosed, Fan Cooled (TEFC) Motor	
MPTank**	125PSI @ 240° F Carbon Steel Construction		Extended Serviceable Life Carbon Steel Construction Integral Air Vent with Maintenance Shut-off Valve	150PSI @ 240° F BAS-Friendly Automatic Blow-Down Valve Compatible	Extended Serviceable Life 150PSI @ 240° F Carbon Steel Construction Integral Air Vent with Maintenance Shut-off Valve	BAS-Friendly Automatic Blow-Down Valve Compatible Clean-in-Place (CIP) System
Buffer Tank**	125PSI @ 375° F Carbon Steel Construction		Extended Serviceable Life 150PSI @ 240° F Carbon Steel Construction		Extended Serviceable Life 150PSI @ 240° F Carbon Steel Construction	Automatic Blow-Down Valve Compatible Clean-in-Place (CIP) System
Plate & Frame Heat Exchanger	0.5mm 304L Stainless Steel Heating Plates Carbon Steel Frame Plate, Pressure Plate & Upper Carry Bar	150PSI @ 284° F Carbon Steel Lower Guide Bar with Stainless Steel Sleeve NBR-HT Gaskets	150PSI @ 284° F & 300PSI @ 284° 0.5mm/0.6mm 304L or 316L Stainless Steel Heating Plates NBR-HT Gaskets	Carbon Steel Frame Plate, Pressure Plate & Upper Carry Bar Carbon Steel Lower Guide Bar with Stainless Steel Sleeve	150PSI @ 284° F & 300PSI @ 284° F 0.5mm/0.6mm 304L or 316L Stainless Steel Heating Plates 316L Stainless Steel Frame Plate	Carbon Steel Pressure Plate, Upper Carry Bar Carbon Steel Lower Guide Bar with Stainless Steel Sleeve NBR-HT or Viton Gaskets (dielectric fluid-ready)
4900 Series Air/Dirt Separator	125PSI & 150PSI @ 240° F Carbon Steel Construction 2" to 36" Line Size		Extended Serviceable Life 150PSI @ 240° F Carbon Steel Construction Removable Top or Bottom Cover	Integral Air Vent with Maintenance Shut-off Valve BAS-Friendly Automatic Blow-Down Valve Compatible	Extended Serviceable Life 150PSI @ 240° F Carbon Steel Construction Removable Top or Bottom Cover On/Off Style Neodymium Magnet Assembly	Integral Air Vent with Maintenance Shut-off Valve BAS-Friendly Automatic Blow-Down Valve Compatible Clean-in-Place (CIP) System

* SelfSensing ProBalance technology, stainless steel impellers available on all pumps

** Silicon/Fiberglass, Armaflex, Polyisocyanurate, & Aluminum Jacket insulation options on all MPT and Buffer tanks

Data Center Industry Stats

- » A shift to liquid cooling will be essential to accommodate GPU advancements: In new construction, liquid cooling infrastructure has quickly become the default installation. For existing facilities transitioning to higher density workloads, liquid cooling will be a viable solution and an opportunity for owners and investors to upgrade their assets.
- » 40% of Data Center Energy Consumption: Data centers use nearly half of their total energy for cooling and air conditioning.
- » Projected Market Growth: The global data center market size was valued at \$205.56 billion in 2022 and is projected to grow at a compound annual growth rate (CAGR) of 12.9% from 2023 to 2030. (Source: Grand View Research)
- » Energy Consumption: Data centers consume around 1% of the world's total electricity, and this is expected to grow as digitalization increases. (Source: International Energy Agency)

Taco Fabrication Excellence

At Taco, we're proud of our state-of-the-art fabrication facility in Fall River, Massachusetts. We design, manufacture, and test custom and standard products that meet ASME Section VIII Div. 1, ISO 9001, and NSF-61 standards. With capabilities in stainless steel cutting, welding precision, and a focus on quality, we ensure fast, flexible lead times and emergency replacements to keep your systems running smoothly.

Key Capabilities Include:

- » 20 Ton Lifting Capacity
- » Precision Welding, Cutting, and Plate Rolling
- » Fast Turnaround for Custom Orders

Tier 4: Premium solutions featuring ECM motors, VFD, and enhanced reliability for mission-critical operations.

Ductile Iron Casing 250# 125# Flange Connection Ni-Resist/Viton Seal (dielectric fluid-ready)	ECM High-Efficiency Motor Variable Frequency Drive (VFD)
---	---

Extended Serviceable Life 150PSI @ 240° F 304L or 316L Stainless Steel Construction	Integral Air Vent with Maintenance Shut-off Valve BAS-Friendly Automatic Blow-Down Valve Compatible Clean-in-Place (CIP) System
---	--

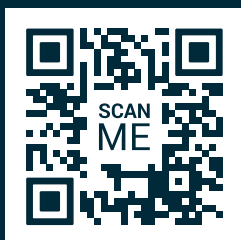
Extended Serviceable Life 304L or 316L Stainless Steel Construction 150PSI @ 240° F	Automatic Blow-Down Valve Compatible Clean-in-Place (CIP) System
---	---

150PSI @ 284° F & 300PSI @ 284° F 0.5mm/0.6mm High Strength/High Corrosion Resistant Titanium Heating Plates Duplex 2205 Stainless Steel Frame Plate	Carbon Steel Pressure Plate, Upper Carry Bar Carbon Steel Lower Guide Bar with Stainless Steel Sleeve NBR-HT or Viton Gaskets (dielectric fluid-ready)
--	--

Extended Serviceable Life 150PSI @ 240° F On/Off Style Neodymium Magnet Assembly Integral Air Vent with Maintenance Shut-off Valve	BAS-Friendly Automatic Blow-Down Valve Compatible Clean-in-Place (CIP) System Removable Top or Bottom Cover 304L Stainless Steel Construction
---	--

LET'S TALK.

Contact us today to discuss how we
can support your cooling needs with
innovative, cost-effective solutions.



Catalog #300-58
Supersedes: 07/03/23
Effective Date: 04/03/25

Taco, Inc.,
1160 Cranston Street
Cranston, RI 02920
(401) 942-8000
www.tacoinc.com

