



INTRODUCING TURBO'S NEWEST LIQUID HEAT EXCHANGER



# **U**CHILLER

**Turbo's Uninsulated HTD/HF  
Liquid Heat Exchanger**

## THE CHALLENGE

In today's marketplace, the constantly changing industrial cooling world demands innovation to fit a specific application at a lower cost.

## THE SOLUTION

Turbo's engineers have answered this challenge in the industrial processing market with the introduction of the "uChiller." Turbo's uChiller is the latest "no frills" liquid processing solution and the most "cost effective" uninsulated HTD/HF liquid heat exchanger made, to date.

## THE PRODUCT

Turbo's uChiller is the falling film plate type heat exchanger that transfers heat to a thin film of liquid falling on the outside of a plate. The refrigerant is contained on the plate's inside.

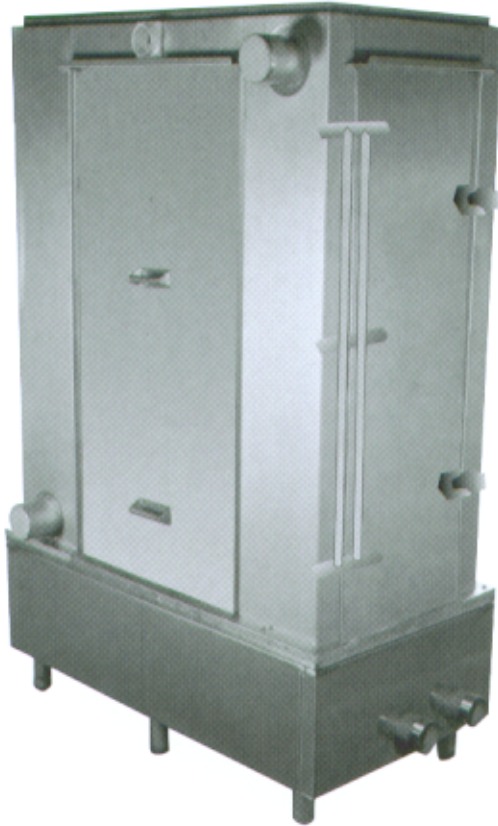
## THE CONFIGURATION

The uChiller's 48 inch plate's HTD geometrical configuration enables high fluid flow for wide temperature differences or low fluid flow for high temperature differences. You can chill free flowing liquids to within one Fahrenheit degree of the freeze point. No freeze-up problems—water, brines, glycol solutions, all with comparable characteristics can be control-chilled to within a degree of their freezing points

## THE BENEFITS

Made with all stainless steel construction, the Turbo uChiller is virtually trouble-free and corrosion resistant. This HTD/HF Series can be applied to industrial systems of chilling circulating water, beverages, juices, syrup, chemicals and process liquids of practically any kind.

# uCHILLER Benefits



Here's a listing of some of the benefits with accompanying features:

## **FLEXIBILITY**—*Choose a chiller that meets your process needs*

- Cost Effective Design—No Insulation
- Reversible Water Header
- 48 Inch Plate Size, 1-7 Plates
- Four Reservoir Capacities
- Capability for Handling All Kinds of Fluids
- Includes Moderately Viscous Solutions
- Sump Connection and Location per Design Requirements

## **DURABILITY**—*A long-lasting equipment selection*

- Proven Plate Design/Performance
- Double Welded Plate Edges
- Heavy Duty Hardware and Accessories
- Stainless Steel Hinged End Panels (Ends & Roof)
- 304 or 304L Construction
- Schedule 10 Stainless Steel Refrigerant Headers
- Welded Construction

## **RELIABILITY**—*Downtime not an issue with the uChiller*

- No Damage from Freeze-Up
- 1 Year Warranty
- 1°F to 2°F of Freeze Point
- Fully Researched Heat Transfer Design
- Capacity Increase by Just Adding Plates

## **CLEANABILITY**—*Designed with minimal clean-up time in mind*

- Easy Access Cleaning with Hinged Top and End Doors
- Sloped Water Pan for Easy Clean-Out
- Reservoir Constructed for Easy Clean-Out
- Quick-Clean Fluid Flow Header

## **MAINTAINABILITY**—*Minimizes cost of operation*

- Hinged Doors
- Refrigerant Headers in Cabinet—Not External
- Adjustable Legs
- R-22, NH<sub>3</sub> and Glycol Refrigerants

## **MANY OPTIONS AVAILABLE:**

- R-22 DX Refrigerant or Recirculated Systems
- R-717 Flooded or Recirculated Systems
- Refrigerant and Water Control Accessories
- Four Different Reservoir Sizes (110, 288, 505, 988 Gallons)
- Available With or Without Reservoir
- ASME Code Design



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