



# TURBO

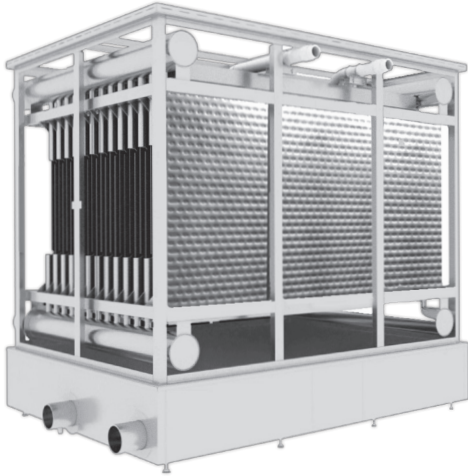
PRODUCTS

---

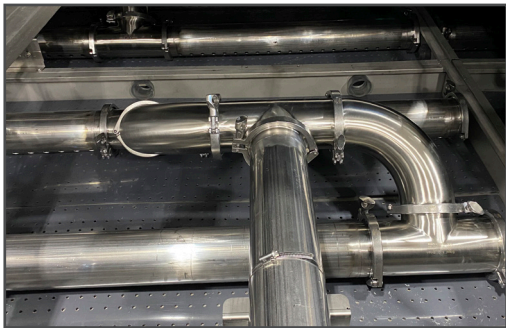
## FALLING FILM CHILLER: TURBO STYLE

[WWW.TURBOPRODUCTS.COM](http://WWW.TURBOPRODUCTS.COM)

TURBO POWERED BY OMEGA



## COOLING FLUIDS WITHIN 1°F OF THEIR FREEZING POINT



Stainless Steel Distribution Tube Option

### Applications

Seafood

Poultry

Dairy

Washing and cooling produce

Ingredient water in bakery

Meat processing

The Turbo Falling Film Chiller is suitable for cooling fluids to within 1°F of their freezing point. The chiller transfers heat from a thin layer of liquid filming on the outside of the pillow plates while the refrigerant is passing through the inside of the plate.

The Turbo Falling Film Chiller distribution pan can be easily cleaned due to the open concept construction and space between the evaporator plates.

Fully constructed of stainless steel, the chiller and tank section are available in 304 / 316L.

Typical cooling media for Turbo chillers are Ammonia and Freon.

### When to choose a Turbo Falling Film Chiller?

- › Suitable for cooling fluids down to 1°F of freezing point without the risk of damage due to ice build-up
- › Maintain a constant temperature of the chilled fluid
- › Open construction for easy access and maintenance
- › Complete stainless steel construction
- › Insulated chiller cabinet and sump

### Laser Welded Plates

All Turbo chillers come with high efficiency evaporator banks constructed with CNC Laser Welded plate technology. The CNC precision of Laser Welding has two major advantages over conventional resistance welding;

- 1) Versatility – Our CNC welder allows us to design our plates to best suit their application with no restraints on creativity,
- 2) Consistency – Programmed CNC Laser Welding insures that each plate is welded identical to the next, this provides optimal refrigerant distribution for achieving even performance within the plate bank.



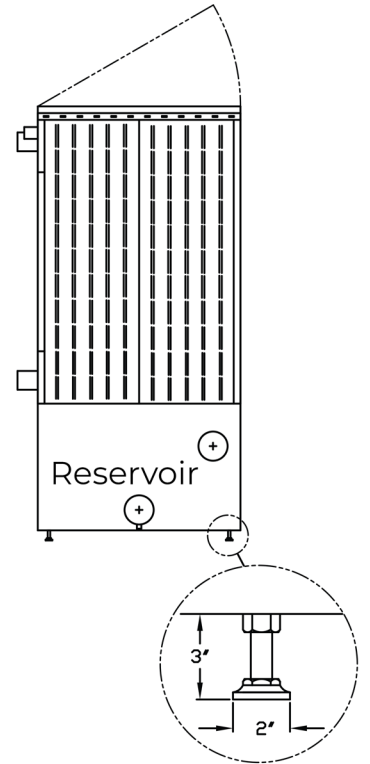
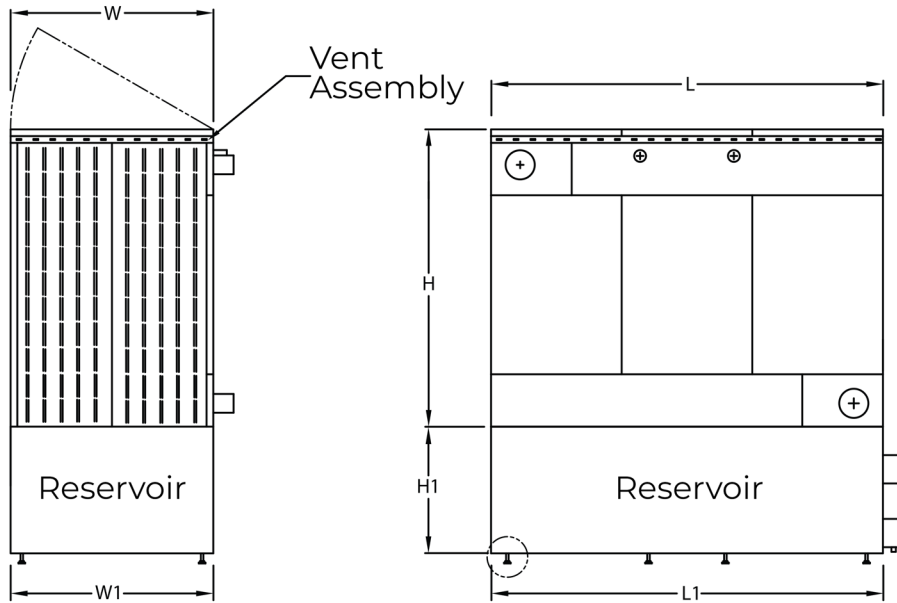
## Chiller Specifications

MODEL	FRAME SIZE	NUMBER OF PLATES		DIMENSIONS			STANDARD SUMP (Gallons)
		MIN	MAX	LENGTH	WIDTH	HEIGHT*	
HTD "X" 48-06-XX	6	1	7	68"	36"	88"	110
HTD "X" 48-12-XX	12	7	13	68"	60"	88"	195
HTD "X" 72-12-XX	12	8	13	92"	60"	88"	267
HTD "X" 96-06-XX	6	1	7	116"	36"	88"	195
HTD "X" 96-12-XX	12	7	13	116"	60"	88"	340
HTD "X" 96-18-XX	18	14	20	116"	83.5"	88"	482
HTD "X" 96-30-XX	30	20	30	116"	83.5"	88"	482
HT "X"-144-06-XX	6	1	7	163"	30"	Consult Factory	
HT "X"-144-12-XX	12	7	13	163"	60"		
HT "X"-144-18-XX	18	14	25	163"	90"		

\*Height dimension includes 2" for vent assembly  
Consult factory for additional specs on the HF (High Flow Chillers)

## Reservoir Specs

CAPACITY	PLATES	CHILLER MODEL	DIMENSIONS			WATER LEVEL	GALLONS PER INCH	LEGS	CAPACITY (Gallons)
			L1	W1	H1				
STD	1 THRU 6	HTD-48-06	68	36	17 ½	12 ½	8.875	6	110
		HTD-96-06	116	36	17 ½	12 ½	15.53	6	195
	7 THRU 12	HTD-48-12	68	60	17 ½	12 ½	15.53	6	195
		HTD-72-12	92	60	17 ½	12 ½	21.35	6	267
		HTD-96-12	116	60	17 ½	12 ½	27.18	6	340
14 THRU 30	HTD-96-XX	116	83 ½	17 ½	12 ½	38 ½	6	482	
MEDIUM	1 THRU 6	HTD-48-06	68	36	37 ½	32 ½	8.875	6	288
		HTD-96-06	116	36	37 ½	32 ½	15.53	6	505
	7 THRU 12	HTD-48-12	68	60	37 ½	32 ½	15.53	6	505
		HTD-72-12	92	60	37 ½	32 ½	21.35	6	694
		HTD-96-12	116	60	37 ½	32 ½	27.18	6	883
14 THRU 30	HTD-96-XX	116	83 ½	37 ½	32 ½	38 ½	6	1,252	
HIGH	1 THRU 6	HTD-48-06	68	60	37 ½	32 ½	15.53	6	505
		HTD-96-06	116	60	37 ½	32 ½	27.18	6	883
	7 THRU 12	HTD-48-12	68	92	37 ½	32 ½	24.4	8	793
		HTD-72-12	92	92	37 ½	32 ½	33.56	8	1,091
EXTRA HIGH	1 THRU 30	HTD-96-12	116	92	37 ½	32 ½	42.71	8	1,388
		HTD-48-XX	68	92	45 ½	40 ½	24.4	8	988
		HTD-72-XX	92	92	45 ½	40 ½	33.56	8	1,359
		HTD-96-XX	116	92	45 ½	40 ½	42.71	8	1,730



Standard Leg Detail

## Chiller Options

- › Direct Expansion Options
- › Dual Refrigerant Feeds
- › Dual Refrigerant Suction Outlets
- › 304L Stainless Steel Standard Construction
- › 316L Stainless Option
- › Vent Assembly
- › Alternate Size Reservoirs or Tank-less
- › 8-1/2" Reservoir Legs
- › Additional Reservoir Connections
- › PVC Standard Distribution Tubes with Stainless Steel Option

## Benefits of Turbo Insulated Falling Film Chillers

- › Total Insulation of the chillers
- › Easy access for cleaning and inspection
- › Freeze-Up is not an issue for all compatible range of liquids
- › High efficiency heat transfer system
- › Internal Headers and small foot print to fit available space



## Turbo Products Certifications

TURBO PRODUCTS, LLC  
 212700 LASER DRIVE  
 STRATFORD, WI 54484  
 PHONE: 715.687.8102  
 SALES@TURBOPRODUCTS.COM



ASME U-stamp, Canadian Registration Number, PED

**TURBO**  
 PRODUCTS