



MODEL TELC-Xx-XX

LINEAR CHILLER

GENERAL DESCRIPTION

The TUCS LINEAR CHILLER is designed for high volume continuous or batch, cooling or chilling, hermetically sealed pouches, tubs, trays or bowls to 40°F or below. The 1, 2 or 3 independent chill lanes provide combined throughout capacities from 200 to 5,000 gallons per hour. The process water is maintained at 34°F by submerged evaporator coils directly connected to remote refrigeration. Air agitation assures uniform water temperature throughout and provides gentle agitation of the product. Product is moved through and out of the tank on demand by a cleated conveyor.



Tucs Model TELC

CERTIFICATIONS

NSF/ANSI-7, ANSI/UL-471



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ITEM NO.

PROJECT

QUANTITY

AIA NO.

CAPACITIES

See chart on reverse side.

CONSTRUCTION & FEATURES

All 304L stainless-steel construction mounted on multiple flanged feet with leg pads ■ Fully insulated tank wall and bottom with urethane foam ■ Mounted on adjustable stainless-steel legs ■ 1, 2 or 3 independent chill lanes sharing common process water ■ High volume air agitation of each process lane ■ Independent stainless-steel conveyors in each lane ■ NEMA 4X stainless steel control panel with operator touch screen interface and PLC for easy control of all functions ■ Continuous filtration of process water

COOLING EVAPORATORS

Submerged stainless steel evaporator coils for efficient cooling of process water with direct expansion ■ Display of process water temperatures ■ Easy to view and clean

CONTROLS

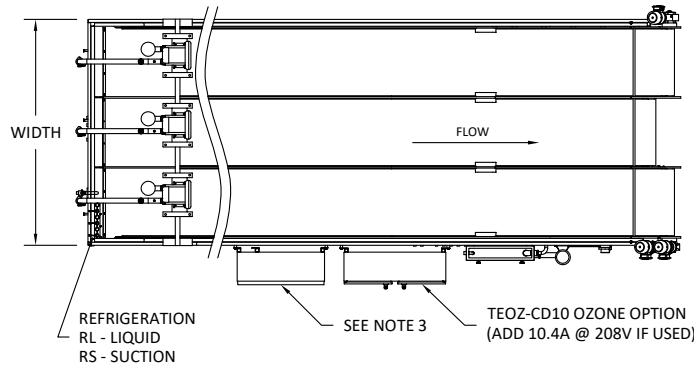
Programmable Logic Controller (PLC) contained within NEMA 4X control box ■ Touch screen operator interface with menu driven operation ■ Batch chill mode ■ Display of process water temperature ■ Display of process time ■ Electronic temperature recording

OPTIONS

- Recommended refrigeration
- Pre-coolers using evaporative cooled water for energy saving removal of product “top” heat
- Stacking of tanks to conserve floor space
- Chilled water take off – supply chilled water for chilling other devices or cool city water for direct contact cooling of hot products
- Load and take away conveyors
- Air dryers for removing excess moisture
- Air- or water-cooled remote compressor/condenser for evaporator coils (includes DX coils and solenoid)
- Continuous ozonation of processed water coupled with filtration can provide for use of process water over 6 months

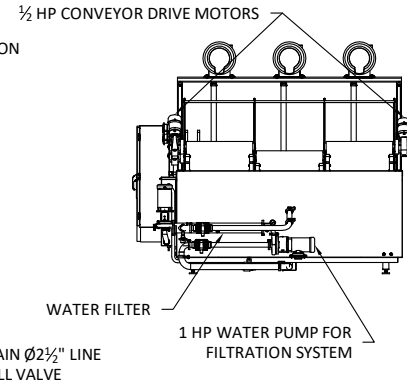
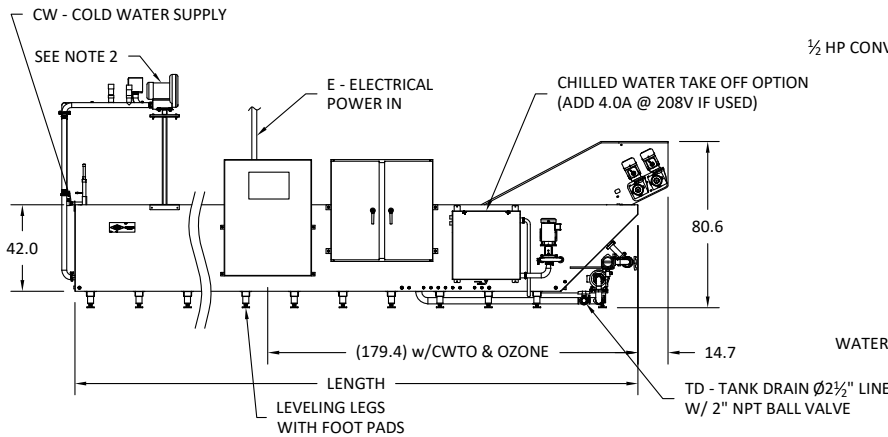
MODEL TELC-Xx-XX LINEAR CHILLER

Scan this QR code with your smart phone to visit our website for more information.



NOTES:

1. DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE - CHECK WITH FACTORY.
2. BLOWERS FOR AIR AGITATION CAN BE MOUNTED ABOVE THE CEILING ACOUSTICAL TILES TO REDUCE NOISE.
3. CONTROL PANEL LOCATION SHOWN WITH CWTO AND OZONE CABINET. CAN BE RELOCATED PER CUSTOMER REQUIREMENTS. ALLOW 36" MINIMUM CLEARANCE IN FRONT OF THE CONTROL PANEL.
4. CONTROL PANEL AND MOTORS ARE REMOVED FOR SHIPMENT AND RIGGING.
5. CONDENSER SIZES AND REFRIGERATION CIRCUIT QUANTITY ARE DEPENDANT ON PRODUCT, NUMBER OF LANES, LENGTH OF CHILLER, AND TYPE OF REFRIGERANT USED.
6. REFRIGERATION SUPPLY SIZES DEPENDANT ON CONDENSER SIZES AND CIRCUIT QUANTITY.



UTILITY CONNECTIONS

# LANES	COMP AIR 5 CFM @ 80 PSI	TANK DRAIN	ELECTRIC - 3 PH/60 Hz		
			208V	240V	480V
			CA	TD	E
1	N/A	2" NPT	20.0 FLA	17.4 FLA	8.7 FLA
2	¼" QD	2" NPT	28.0 FLA	24.4 FLA	12.2 FLA
3	¼" QD	2" NPT	33.3 FLA	29.0 FLA	14.5 FLA

OPTIONAL CWTO UTILITY CONNECTIONS

OPTIONAL CHILLED WATER TAKE-OFF				
SUPPLY IN	FROM KETTLES	TO KETTLES	OVERFLOW	DRAIN VALVE
SI	FK	TK	OF	DV
¾" NPT	1½" NPT	1½" NPT	¾" NPT	½" NPT

RECOMMENDED CLEARANCES

LEFT HAND TANK	
LEFT (PANEL) SIDE	36"
BACK SIDE	36"
RIGHT SIDE	12"

STANDARD PROCESSING CAPACITIES/REQUIREMENTS

CHILLER LENGTH	PRODUCT CAPACITY (GAL/LANE)	COLD WATER FILL (CW)	1 LANE (40" WIDE)		2 LANE (64.5" WIDE)		3 LANE (93" WIDE)				
			MAX BTUH @25°F	WEIGHT (LBS)		MAX BTUH @25°F	WEIGHT (LBS)		MAX BTUH @25°F	WEIGHT (LBS)	
				EMPTY	FULL		EMPTY	FULL		EMPTY	FULL
12'	100	1"	112,000	1,800	7,600	200,000	2,800	11,930	255,000	3,800	17,640
14'	150	1"	140,000	2,100	9,200	230,000	3,300	14,140	316,000	4,460	22,420
16'	150	1"	168,000	2,400	10,500	276,000	3,800	16,160	379,000	5,100	25,620
20'	200	1"	224,000	3,000	13,500	368,000	4,700	20,500	505,000	6,400	34,640
24'	200	1½"	280,000	3,600	16,500	450,000	5,600	24,900	632,000	7,700	41,440
28'	300	1½"	336,000	4,200	19,500	551,000	6,600	29,300	758,000	9,000	44,400
32'	300	1¾"	392,000	4,800	22,500	643,000	7,500	33,700	885,000	10,200	55,040
36'	400	1¾"	448,000	5,400	25,500	735,000	8,400	38,100	1,011,000	11,500	57,500
40'	400	1¾"	504,000	6,000	28,500	830,000	9,400	42,500	1,137,000	12,800	68,640
16' (TALL)	200	1"	---	---	---	310,000	5,300	21,100	---	---	---
16' (WIDE)	200	1"	---	---	---	320,000	5,300	21,100	---	---	---