



VULCAN MACHINERY CORP.

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Engineering Makes The Difference™

**COOLING TANK
CT Series**



Tank Length (feet)	Cross - Section (inches)		
	6 x 6	10 x 10	14 x 14
10	CT610	CT1010	CT1410
15	CT615	CT1015	CT1415
20	CT620	CT1020	CT1420
30	CT630	CT1030	CT1430

APPLICATION:

- The standard stainless steel tank is made with removable tank ends and bulkheads of 1/2" thick UHMW plate split on center such that they can be contoured with one half of the extrude shape in each half. By maintaining generous clearance between the extrudate and the UHMW bulkhead opening, the extrudate can pass through the bulkhead opening on a lubricating layer of water. The water is routed into scuppers located on each end of the tank that, in turn, are connected to the water return system.
- Vulcan water tanks are offered with an optional hand wheel operated axial, bi-axial, or tri-axial movement of the tank. A complete recirculation system requiring only the connection of the Vulcan furnished heat exchanger to the customer's furnished chilled water is also an option.

TANK:

- 12 gal. 304 stainless steel construction
- ½" thick bulkheads are split UHMW construction for contouring to extrudate profile
 - ¼" thick rubber gasket bulkheads are available
- 2' air wipe compartment with ½" thick Lexan lids
 - Optional air wipe system available

PIPING:

- Entire flow path of non-oxidizing construction
- 1" pipe connection in side of tank for connection to plant fill or make-up water lines
- Air wipe section piped to drain manifold
- Entrance scupper piped to drain manifold
- Adjustable overflow for setting tank water height piped to drain manifold
- Overflow by-pass for max. circulation rate

FRAME:

- Heavy wall tubing, steel plate and structural sections
- Two rigid and two swivel casters and hold-downs
- Screw type floor jacks
- Fully guarded drive train and electrical components

ELECTRICAL:

- Standard Electrical is 230 Volt/3 Phase/60 Hertz
 - Electrical other than the above is available as an option

OPTIONS:

- All controls at die end of tank
- NEMA 4 control enclosures
- Low voltage (110 V) pump control circuit
- Closed loop recirculation system
 - 1 HP, 3600 RPM, bronze close-coupled pump
 - 40 GPM at 45' head
 - Pump suction stump strainer
 - 60 gal. 12 gal. 304 stainless steel reservoir
 - Automatic make-up water system in the event of a loss of process water
 - 75 micron in-line filtration with differential gages indicating filter service required
 - 75,000 BTU removal capacity (based on 40 GPM and a temperature rise of 4°F and a temperature differential of 20°F min. between hot side and cold side of heat exchange)
 - Larger heat removal and recirculation rates available upon request
- Atomized spray system
 - Allows for spray or submerged cooling
 - Atomized, full cone, replaceable distribution jets
 - One, two or four angles of spray
 - Large (.060) free pass clearance to prevent clogging
- Multi-axis tank adjustments
 - One, two or three-hand wheel driven adjustments
 - 18" in-line movement
 - ± 2" cross-line adjustment
 - ± 3" elevation adjustment
 - Motorized axis option, joystick controlled
- V-track
- Frame covers
- Product hold-downs
- Tank lids
- Air wipe system



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