

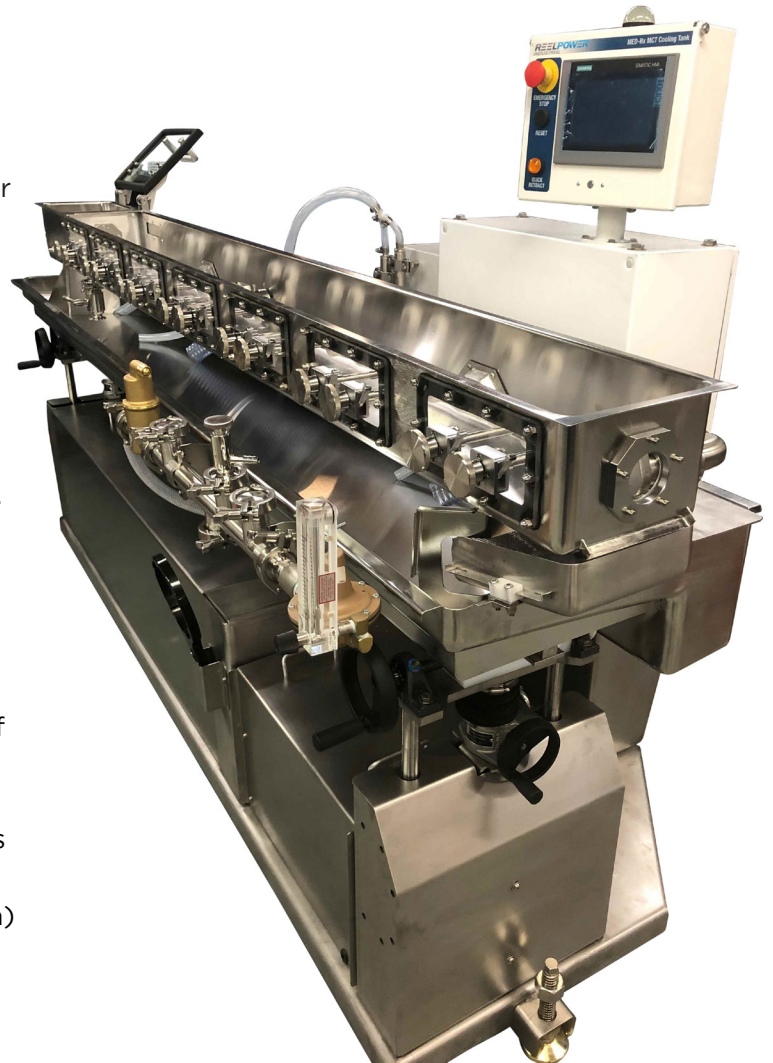
MCT Series Cooling Tanks

Clean room ready tank designed for precision micro-bore medical tubing applications.

MCT Series cooling Tanks were designed with an intense focus on the manufacturing requirements for medical tubing. The advanced technology of these tanks with an emphasis on cleanability virtually eliminate the potential for bacteria or bio-films on the process water contact surfaces.

Key Features:

- Stainless steel base frame with non-marking casters and position locking floor pads.
- Electro-polished process water contact surfaces.
- Easy-to-clean rounded corners, including inside bulkheads and all water contact surfaces.
- Multiple side viewing windows for quick process optimization.
- Fully contoured externally adjustable product guide rollers –two units provided per one-foot of the chamber.
- Tri-clover fittings and valves ease cleaning with a minimal number of threads exposed to process water.
- Medical grade, three-stage filter (5, 2, 0.5 micron) to filter pyrogens.
- Ultra-violet filter with 5-micron pre-filter to render germs sterile and filter out pyrogens.



Plus:

- Unique water circulation system enhances water flow throughout the tank minimizing pump cavitation and thus micro-water bubbles, which can cause ????. Quick total system flushing/draining to pump the entire system dry is accomplished with the use of a three-way water valve. A low-level water switch is also included to prevent water pump damage during flushing.
- Process adjustments are simple with precision up/down alignment provided on both ends of the tank. A linear servo actuator with integral encoder provides for precision tank linear

adjustments. Fully programmable linear moves or a specific die gap can be easily programmed and saved via a full recipe system.

- Air wipe chamber with lid controls airflow and minimizes noise.
- A 7-inch operator touch screen with closed-loop control is also standard with control and displays. A water temperature readout is also standard with the potential to add water temperature control as a recommended option.



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Models	MCT-3	MCT-5	MCT-8
Performance characteristics			
Tube/profile capacity	Up to 1 in.		
Water System	316 stainless steel water circulation pump and heat exchanger, with 3-stage filter and UV filter		
Recirculating pump Hp {kW}	3/4		
Tank length inches {mm}	36"	60"	96"
Number of compartments	2	2	2
Compartment type			
Water	24"	48"	84"
Air wipe inches {mm}	14{355.6}		
Roller assemblies included	4	8	14
Dimensions inches {mm}			
A - Height	48.5"		
B - Height to centerline	42 ± 2" {1067 ± 51 mm}		
C - Overall length	48"	72"	108"
D - Overall depth	39"	39"	39"
Longitudinal adjustment (manual)			
Tank compartment cross section	8" wide x 6" deep		
Weight lb{kg}			
Shipping	850	950	1150
Voltage*			
460 volts/ 3 phase/ 60 Hz			

*FLA data for reference purposes only. Does not include any options or accessories on equipment. For full FLA detail for power circuit design of specific machines and systems, refer to the electrical diagrams of the equipment order and the nameplate applied to the machine.

Specifications may change without notice. Consult with a Reel Power representative for the most current information