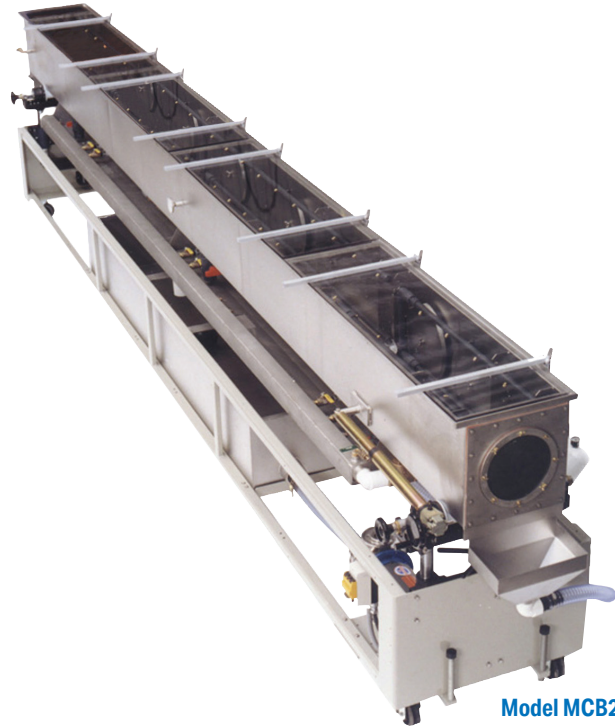


# Uniform Cooling for Tube, Pipe and Profile

Conair MCB Series cooling tanks provide flood or optional spray cooling of profile, tubing and pipe extrusions up to 6 inches {152 mm}.

Flood cooling is designed to provide maximum turbulence. To break up the warmer water that tends to surround and insulate the product, allowing maximum cooling efficiency. Optional spray cooling enhances the heat transfer rate through evaporative cooling.

An adjustable rotary water level control is used to easily adjust process water level for flood or spray cooling.



**Model MCB2-21**  
(Shown with optional drip tray.)

## Durable Stainless Steel Construction

MCB cooling tanks are constructed using welded, heavy gauge stainless steel for maintenance-free operation.

Grooved casters and positioning screws ensure proper tank alignment. Also, hand wheels are positioned at each end of the tank for precise height adjustment. Optional adjustments for linear movement and side-to-side movement are available.

The optional closed recirculation system with water reservoir pump and heat exchanger can interface with your Conair portable or central chiller for reduced water consumption.

### ▶ Easy to operate

Adjustments and water valves are positioned for ease of operation.

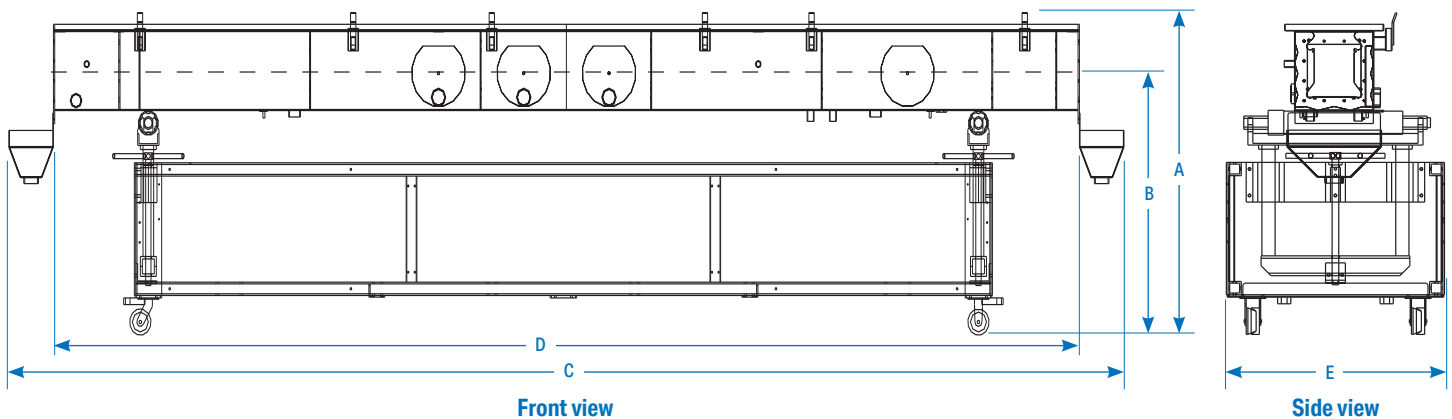
### ▶ Tank lengths from 7 to 30 feet {2133 to 9144 mm}

Cross sections range from 8 x 8 {203 x 203 mm} to 14 x 14 inches {355.6 x 355.6 mm}. The wide range of sizes allows you to choose a tank that meets your needs.

### ▶ Options to meet your needs

- Add a 2 Hp (40 gpm), 5 Hp (100 gpm) or 7.5 Hp (180 gpm) recirculation system and high efficiency heat exchanger; a process filter for a 2 Hp, 5 Hp or 7.5 Hp pump; longitudinal and side-to-side adjustments; spray bars and tank lids made from polycarbonate
- Left-to-right extrusion direction
- Thermometer for upper tank or reservoir
- Up to 90 gallon capacity reservoir
- 230/3/60 recirculation voltage
- 2-inch filter system with flush capabilities sized for minimum pressure drop
- Four schedule 80 pvc distributions bars with high velocity brass spray nozzles for enhanced evaporative cooling
- Special paint
- UL certification

# Specifications



Models	MCB-1		MCB-2				MCB-4			
Tank length ft.	7		12	16	21	30	12	16	21	30
<b>Performance characteristics</b>										
Tube/profile capacity	1 inch {25 mm}		Up to 2 inches {50 mm}				Up to 4 inches {101 mm}			
Pumps	0.5 Hp		2 Hp or 5 Hp water				2 Hp, 5 Hp or 7.5 Hp water			
Number of compartments	2									
Size - Cooling / Air wipe	6 feet {1829 mm} / 1 foot {305 mm}		11 ft. / 1 ft.	15 ft. / 1 ft.	20 ft. / 1 ft.	29 ft. / 1 ft.	11 ft. / 1 ft.	15 ft. / 1 ft.	20 ft. / 1 ft.	29 ft. / 1 ft.
<b>Dimensions inches {mm}</b>										
A - Overall height	55 {1397}									
B - Height to centerline Centerline height is adjustable ± 2 inches {50.8 mm}	42 {1067}					45 {1143}				
C - Overall length	84 {2134}	180 {4572}	216 {5486}	288 {7315}	396 {10058}	180 {4572}	216 {5486}	288 {7315}	396 {10058}	
D - Tank length ft. {m}	7 {2.1}	13.5 {4.1}	17.5 {5.3}	22.5 {6.9}	31.5 {9.6}	13.5 {4.1}	17.5 {5.3}	22.5 {6.9}	31.5 {9.6}	
E - Overall width	48.5 {1232}									
Tank compartment width*	8 {203}		12 {306}				14 {355.6}			
Tank compartment height	8 {203}		8 {203}				14 {355.6}			
<b>Approximate weight lb {kg} †</b>										
Shipping	700 {318}	2200 {998}	2800 {1270}	3500 {1587}	4500 {2041}	2200 {998}	2800 {1270}	3500 {1587}	4500 {2041}	
<b>Voltage Full load amps ‡</b>										
240V/3 phase/50-60 Hz	Consult Conair									
480V/3 phase/50-60 Hz	Consult Conair									
<b>Water requirements</b>										
City, tower or chiller water; main supply line 1.5 inch NPT fitting										

## Specification Notes

\* You will need a V-groove caster adapter if you have rails that are not spaced 25 inches {635 mm} apart. Adapters are available for rails with centerline spacing of 22 to 25 inches {559 to 635 mm}.

† Weights are based on standard configuration only and do not include any of the available options.

‡ Consult factory. Amp draws will be based on options selected.

These tables define standard configurations only.

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

## Application Notes

The base tank is supplied without the recirculation system. The tank is drained by gravity.