

Model MCB2-21  
(shown with  
optional drip tray)

# UNIFORM COOLING FOR TUBE, PIPE AND PROFILE

MCB Cooling Tanks provide flood or optional spray cooling of profile, tubing and pipe extrusions up to 8 inches {203.2 mm}.

The internal plumbing for flood cooling has been designed to provide maximum turbulence. This breaks up the warmer water that tends to surround and insulate the product, allowing maximum cooling efficiency. The spray cooling approach 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.

## 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 12 to 30 feet

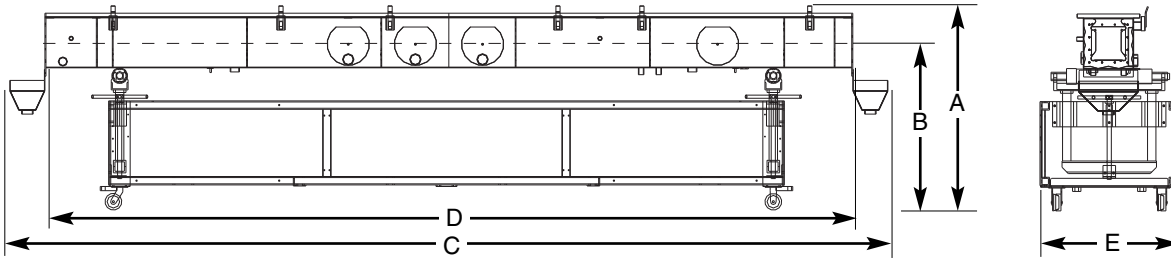
Cross sections range from 8 x 12 {203 x 305 mm} to 16 x 16 inches {406 x 406 mm}. The wide range of sizes allows you to choose a tank that meets your needs.

### ■ Options to meet your needs

Choose to 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 stainless steel or polycarbonate.

**SPECIFICATIONS**

**MCB SERIES**



MODEL	MCB-2				MCB-4			
<b>TANK LENGTH</b> ft.	12	16	21	30	12	16	21	30
<b>Performance characteristics</b>								
Tube/profile capacity	up to 2 inches {50 mm}				up to 4 inches {101 mm}			
Pumps	2 Hp or 5 Hp water				2 Hp, 5 Hp or 7.5 Hp water			
Number of compartments	2	2	2	2	2	2	2	2
Size - Cooling / Air wipe	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</b> inches (mm)								
A - Overall height	55 {1397}	55 {1397}	55 {1397}	55 {1397}	55 {1397}	55 {1397}	55 {1397}	55 {1397}
B - Height to centerline*	42 {1067}	42 {1067}	42 {1067}	42 {1067}	42 {1067}	42 {1067}	42 {1067}	42 {1067}
C - Overall length	180 {4572}	216 {5486}	288 {7315}	396 {10058}	180 {4572}	216 {5486}	288 {7315}	396 {10058}
D - Tank length ft {m}	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}	48.5 {1232}	48.5 {1232}	48.5 {1232}	48.5 {1232}	48.5 {1232}	48.5 {1232}	48.5 {1232}
Tank compartment width†	12 {306}	12 {306}	12 {306}	12 {306}	12 {306}	12 {306}	12 {306}	12 {306}
Tank compartment height	8 {203}	8 {203}	8 {203}	8 {203}	12 {306}	12 {306}	12 {306}	12 {306}
<b>Approximate weight</b> lb {kg}‡								
Shipping	2200 {998}	2800 {1270}	3500 {1587}	4500 {2041}	2200 {998}	2800 {1270}	3500 {1587}	4500 {2041}
<b>Voltages available</b> §	240V/3 phase/50-60 Hz or 480V/3 phase/50-60 Hz							
<b>Water requirements</b>	City, tower or chiller water; main supply line 1 inch NPT fitting							

MODEL	MCB-6				MCB-8			
<b>TANK LENGTH</b>	12	16	21	30	12	16	21	30
<b>Performance characteristics</b>								
Tube/profile capacity	up to 6 inches {152 mm}				up to 8 inches {203 mm}			
Pumps	2 Hp, 5 Hp or 7.5 Hp water							
Number of compartments	2	2	2	2	2	2	2	2
Size - Cooling / Air wipe	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</b> inches (mm)								
A - Overall height	55 {1397}	55 {1397}	55 {1397}	55 {1397}	55 {1397}	55 {1397}	55 {1397}	55 {1397}
B - Height to centerline†	42 {1067}	42 {1067}	42 {1067}	42 {1067}	42 {1067}	42 {1067}	42 {1067}	42 {1067}
C - Overall length	180 {4572}	216 {5486}	288 {7315}	396 {10058}	180 {4572}	216 {5486}	288 {7315}	396 {10058}
D - Tank length ft {m}	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}	48.5 {1232}	48.5 {1232}	48.5 {1232}	48.5 {1232}	48.5 {1232}	48.5 {1232}	48.5 {1232}
Tank compartment width	14 {356}	14 {356}	14 {356}	14 {356}	16 {406}	16 {406}	16 {406}	16 {406}
Tank compartment height	14 {356}	14 {356}	14 {356}	14 {356}	16 {406}	16 {406}	16 {406}	16 {406}
<b>Approximate weight</b> lb (kg) ‡								
Shipping	2200 {998}	2800 {1270}	3500 {1587}	4500 {2041}	2200 {998}	2800 {1270}	3500 {1587}	4500 {2041}
<b>Voltages available</b> §	240V/3 phase/50-60 Hz or 480V/3 phase/50-60 Hz							
<b>Water requirements</b>	City, tower or chiller water; main supply line 1 inch NPT fitting							

**SPECIFICATION NOTES:**

\* Centerline height is adjustable ± 2 inches (50.8 mm).

† 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 can change without notice. Contact a Conair representative for the most current information.

**APPLICATION NOTE:**

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

