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The Revit product family for the Marley® Aquatower fiberglass cooling tower ("AQ") provides the basic geometry and typical pipe connections for each unit size of the product line. The product family is compatible with Revit version 2012 and later, and may be downloaded at <http://spxcooling.com/revit>

Inlet Connections

All model sizes of the AQ have a single inlet connection per cell, located on the top deck along the centerline of the air inlet face and set back a specified distance. The default inlet connection is a hole in the splash box, and is sized to accept insertion of a pipe stub of a commonly used pipe diameter for the unit size selected.

Outlet Connections

Two types of outlet connections are included in this product family: side suction outlet and bottom outlet. Only one of the outlets should be connected; the other should be ignored or deleted. Based on the outlet type and unit size selected, outlet connections default to a commonly used pipe diameter, and are either threaded female, threaded male or grooved for a mechanical coupling.

Multiple Cells

Multiple instances of the AQ product family may be inserted into the Revit project for installations having multiple cells. Typically, multiple cells are oriented in the same direction and positioned such that all the air inlets share a common face.

Standard center-to-center cell spacings are listed by model size in the table below.

Center-to-Center Cell Spacing	
Unit Size	Standard
AQ492	49.5" (1257mm)
AQ493	73.5" (1867mm)
AQ494	73.5" (1867mm)
AQ495	97.5" (2477mm)

Clearances

Sufficient clearance should be provided to allow safe access to the tower and its components. Additionally, clearance must be provided at the air inlets and air discharge for adequate air flow. The clearance requirements vary by application, but the air inlet clearance can be approximated as the length of one cell, and the air discharge clearance should be at least five fan diameters. The preferred orientation of the tower allows prevailing wind to blow into the louvered face, with the fan discharge directed away from building surfaces.

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