



March 10, 2014

The Revit product family for the Marley® Aquatower steel 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 (available all models) and bottom outlet (available on 492 and larger models). 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.

Optional Accessories

The following optional accessories are selectable parameters in the Structural category:

Vertical Discharge Hood

Vertical Discharge Hood is available on steel AQ model sizes 494 and larger, and provides vertical discharge of the air leaving the tower. Other optional accessories may alter or prevent the use of this option and/or increase the size of the unit.

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
AQ490	37.5" (953mm)
AQ492	49.5" (1257mm)
AQ493	73.5" (1867mm)
AQ494	73.5" (1867mm)
AQ495	97.5" (2477mm)
AQ496	121.5" (3086mm)

SPX COOLING TECHNOLOGIES, INC.
7401 WEST 129 STREET
OVERLAND PARK, KANSAS 66213
UNITED STATES

TEL | 913 | 664 | 7400
FAX | 913 | 664 | 7439

spxcooling.com



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.

Terms of Use (the "Agreement")

The SPX Cooling Technologies, Inc. ("SPX Cooling") product information content provided in this data file (including its design and dimensions) ("Information") are furnished for information only and are not a replacement for a professional engineering review and evaluation of the situation. A professional engineer, licensed in the appropriate field of engineering, should always conduct the final evaluation of the application; and that individual, not SPX Cooling or its employees and representatives, is responsible for the final engineering design and performance of the application at hand.

By making this Information available, SPX Cooling is not rendering professional services, and assumes no duty, responsibility or liability with respect to any person making use of such Information, including any modifications made by the user, for the design of buildings and related systems made using such Information, or for the accuracy of such Information or any data resulting from the use thereof. This Information is supplied "as is," and SPX Cooling shall not be liable for any claim, demand, injury, loss, expense, or liability of any kind whatsoever, including but not limited to, direct, indirect, incidental or consequential damages, which in any way arises out of or is connected with the use of the Information, whether or not such claim demand, loss, expense, or liability results directly or indirectly from any action or omission of SPX Cooling or its employees and representatives resulting from the use of this information.

SPX Cooling does not make any warranty or guarantee whatsoever, whether express or implied, and including but not limited to, any warranty of merchantability or fitness for a particular purpose, or make any representations regarding the use, or the results of use, of the Information in terms of its accuracy, validity, completeness, applicability, or compliance with any regulatory code or governmental laws and regulations. Use of the Information involves some risks, and the entire risk as to the results and performance of the Information is the user's responsibility and liability.

SPX Cooling retains title to and ownership of all Information and all copies thereof and all other rights and interest, including, without limitation, patents, copyrights, trademarks, trade secrets, and other intellectual property rights, in and to the Information and any copies thereof. By accepting or using this Information, the user agrees to not use this Information except as expressly set forth herein and user agrees to not use this Information to represent the products of any manufacturers other than SPX Cooling, its parent companies or subsidiaries.

Except as expressly provided in these Terms of Use, no part of the Information may be copied, reproduced, republished, uploaded, posted, publicly displayed, encoded,



translated, transmitted or distributed in any way to any other computer, server, Web site or other medium for publication or distribution or for any commercial enterprise, without SPX Cooling's express prior written consent.

You may use the Information purposely made available by SPX Cooling for downloading, provided that you (1) not remove any proprietary notice language in all copies of such documents, (2) use such information only for your internal business use, and (3) not make any additional representations or warranties relating to such Information.

This Agreement and any disputes arising out of or in connection with this Agreement shall be governed by the laws of the State of Kansas, U.S.A., without any reference to conflict-of-laws principles.

SPX Cooling's products are subject to continuous improvements. SPX Cooling reserves the right to modify product design, specifications and data without notice and without incurring any obligations.