



February 20, 2014

The Revit product family for the Recold® JW fluid cooler (“JW”) 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>

Coil Inlet and Outlet Connections

Depending on unit size, standard JW models have either one coil inlet and one coil outlet per cell or two coil inlets and two coil outlets per cell. Coil connection(s) are standard copper OD. Connection size defaults to commonly used pipe diameter(s) for the unit size selected. Actual connection size and quantity may vary depending on the design flow rate, and should be confirmed in the quotation. High flow coil models identified with an H suffix (JWH) have double the connection quantity of standard JW models.

Access Doors

Depending on unit size, standard JW models are equipped with between two and nine large rectangular access doors per cell. Standard access door locations are linked to the model number in the Revit family.

Multiple Cells

Multiple instances of the JW product family may be inserted into the Revit project for installations having multiple cells. Arrangements with Face A (long face, fan on left) of one cell oriented towards Face C (long face, fan on right) of another cell are the most common.

Standard center-to-center cell spacing is listed by model size in the table below.

Center to Center Cell Spacing	
Unit Size	Inline
JW-10	63.00" (1600mm)
JW-15	70.75" (1797mm)
JW-25	85.25" (2165mm)
JW-35	107.63" (2734mm)
JW-50	128.75" (3270mm)
JW-70	159.50" (4051mm)
JW-85	159.50" (4051mm)
JW-100	168.50" (4280mm)
JW-115	168.50" (4280mm)
JW-130	168.50" (4280mm)

Clearances

In addition to the clearances necessary to perform basic tower maintenance, appropriate clearance must be provided at the air inlets and air discharge for

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adequate air flow. The clearance requirements vary by application, but the air inlet clearance can be approximated as one cell width, and the air discharge clearance should be no less than three cell widths. Also note that vertical enclosures around the cooling tower should not rise above the fan discharge, otherwise air recirculation may impact performance.

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