

## Installation, Operation, and Maintenance

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### Divided Water and Glycol Coils



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## Application

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The divided coils from Capital Coil & Air are comprised on two or more sections connected by a gasketed junction plate. These coils are suitable for use with water, propylene glycol, or ethylene glycol. The coils are leak tested as an assembly at Capital Coil & Air at a pressure of 150 Psig. The maximum operating pressure recommended for these coils is 75 Psig.

## Installation

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Divided coil installation should follow the same guidelines as standard water or glycol coils with the restriction that the coil is installed level with the coil ends and each section junction firmly supported. Failure to adequately support the end or the junctions may result in leaks at the junction plates.

If divided coils are to be stacked then each individual coil will need to be adequately supported and the coil ends and the junction plates. It is important that the lower coils not carry the weight of the coils above.

## Assembly

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The divided coils will ship from the plant fully assembled when possible. This is done to ensure no damage occurs to the tube extensions at the junctions as well as to keep contaminants from getting into the coil. Disassembly may be required at the job site.

Assembly on of each section should be done in the following manner. Deviation from this approach may lead to leaks occurring at the junction plates. Please reference the generic divided drawings on the following page while reading these instructions.

- Step 1. Orient the coils for alignment on a flat level surface.
- Step 2. Verify that the guide pins are in place.
- Step 3. Attach one pre-cut gasket to the guide pins. The gasket will remain in place when pressed to the guide pins.
- Step 4. Carefully move the sections together so that the guide pins slide into the mate holes.
- Step 5. Insert the perimeter bolt holes with nuts and Belleville washers. Hand tighten so that the junction plates are flush.
- Step 6. Apply 55 ft.-pounds of torque in a clockwise pattern starting in the center of the longest side. See schematic for an example of a tightening pattern.
- Step 7. Repeat step 6 to verify that all bolts have the appropriate torque.

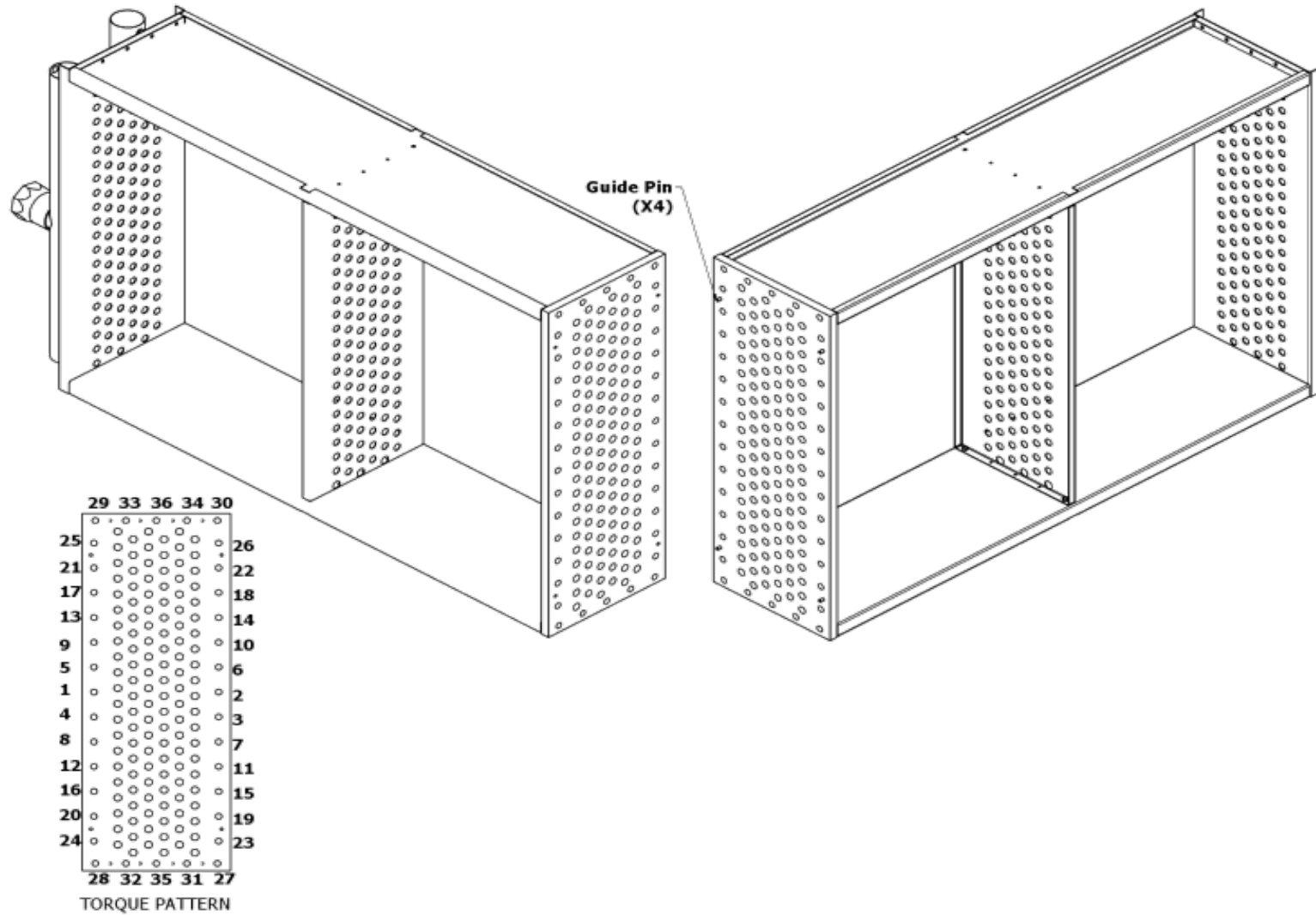


Figure 1 Representative Drawing of Divided Coil Assembly with Torque Pattern