

-SECTIONAL WATER AND GLYCOL COILS-

INSTALLATION, OPERATION AND
MAINTENANCE INFORMATION

FOR:

SECTIONAL WATER AND GLYCOL COILS



1-800-USA-COIL



WWW.USACOIL.COM



Application

The sectional coils from USA Coil & Air are comprised of 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 USA Coil & Air at a pressure of 150 Psig. The maximum operating pressure recommended for these coils is 75 Psig.

Installation

Sectional 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 sectional 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

The sectional 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 sectional 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.

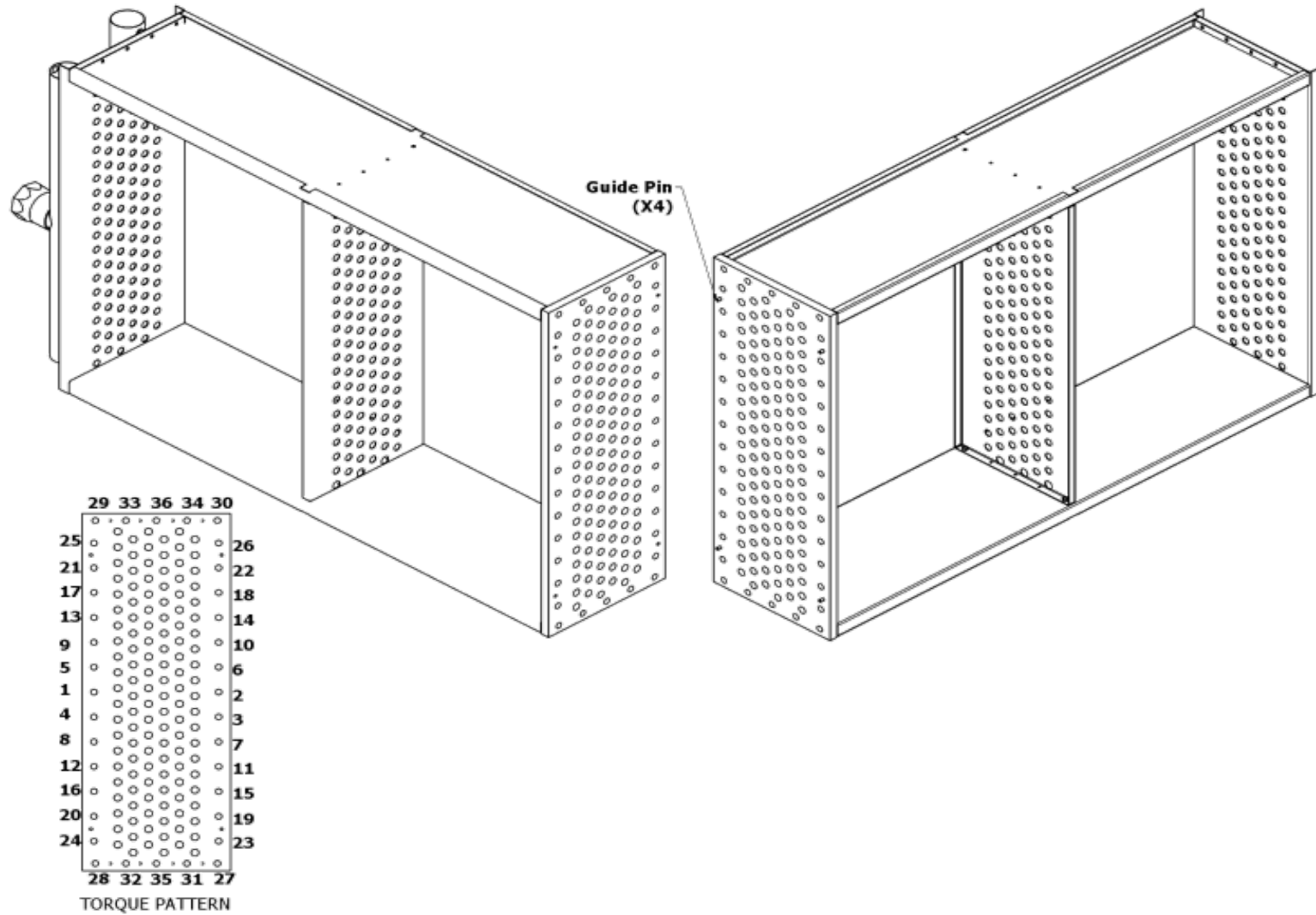


Figure 1 Representative Drawing of Sectional Coil Assembly with Torque Pattern

USA COIL & AIR STANDARD MATERIAL & WORKMANSHIP 1 YEAR WARRANTY**BASIC WARRANTY – MATERIAL AND WORKMANSHIP**

Seller warrants, to the original buyer only, that any equipment manufactured by it will be free of defects in material and workmanship, under normal use and service, for one year from date of shipment. Seller's obligation under this warranty shall be strictly and exclusively limited to repairing or replacing parts and materials, free of charge, F.O.B. our plant, which, in seller's judgment are defective. Seller can't control the environment or the manner in which the equipment is used; therefore this warranty does not cover corrosion of equipment during use, or deterioration caused by conditions of use, or that applications of finishes supplied by others is sufficient, or that finishes applied are suitable for the Buyer's environment. Seller assumes no responsibility for reimbursing repair or replacement expenses incurred without its prior written authorization.

The USA Coil & Air basic warranty does not include any problem associated with a factory coil coating and a separate warranty is issued with that coating.

Also, not included (but not limited to) are systematic conditions like freeze damage, holes in tubes due to excess vibration or stress, corrosion, freight or installation damage or equipment being used outside its performance, pressure or temperature guidelines in anyway.

Any claim that is in dispute, the seller has the right to select a metallurgical or vibration specialist and that analysis and report will be the determining factor of the customers claim.

Buyer shall be responsible for all labor costs incurred in connection with such repair or replacement at installation site. Buyer shall also be responsible for all costs in removing, packing and shipping defective equipment back to Seller. Seller shall be responsible for freight charges back to its factory and Buyer shall use the Seller's designated means of transportation. It is the total responsibility of the Buyer to send back equipment samples quickly (if requested by Seller) to determine possible warranty claims.

DISCLAIMER OF WARRANTIES AND LIMITATION OF REMEDIES

Seller makes no other warranties, expressed or implied with regard to goods and services provided by Seller other than those set forth herein. Any implied warranty of merchantability or fitness for a particular purpose of Buyer which exceeds the foregoing warranty is hereby disclaimed by Seller.

Seller will not be liable for any direct or indirect consequential or incidental damages, losses or expenses, including, but not limited to; commercial losses, business interruption, or damages resulting to property other than that which is the subject of the sales transaction, nor shall Seller be liable for any personal injuries arising in connection with the sale, resale or operation of its goods or inability of the Buyer to use the goods of Seller for any reason whatsoever.

Limitation of remedy here stated shall apply to ALL warranties arising out of the sale here subject. It is understood between parties that damage to the contents of the product herein vended, ineffectiveness of that product, or other unintended consequences may result because of many factors including the manner of use of application of the product, all of which are beyond the control of the Seller. All such risks shall be assumed by the Buyer. Seller's maximum liability shall not, in any case, exceed the price of the goods claimed to be defective. Seller will not be liable for the infringement of any patents by the Buyer's use of any materials delivered herein.

No promise, representation or affirmation of fact, written or oral, of the Seller or its agent or employees, other than as stated herein, shall constitute a warranty of Seller or give rise of any liability or other obligation of Seller, unless specifically agreed to in writing by Seller.