

COLMAC COIL MANUFACTURING'S NEW BIMETALLIC COUPLER

Colmac Coil Manufacturing, Inc. introduces new bimetallic coupler technology to the industrial refrigeration market.

The Colmac Coil bimetallic coupler replaces dielectric flange union kits when joining aluminum evaporators to steel piping, and is offered as standard on all Colmac Coil aluminum tube evaporators.

The bimetallic coupler is also available when ordered separately for other field installations or applications.



Ammonia refrigeration piping is normally steel or stainless steel. With aluminum tube evaporators there needs to be some type of isolation between the two dissimilar metals. The solution has traditionally been a dielectric flange union kit, however dielectric flange union kits (see photo) have been viewed as a negative feature in aluminum evaporators due to numerous disadvantages associated with their use:

- Large and bulky with lots of parts
- Expensive
- Complicated to assemble
- Alignment problems during installation
- Gaskets age; are prone to leak over time
- Bolts will loosen over time

Colmac Coil's new bimetallic coupler technology is a revolutionary new breakthrough that provides the following advantages:

- Small and lightweight
- Low cost
- Simple – no assembly required
- No alignment problems – welded connections
- No leaks – ever
- Safe, proven basic technology