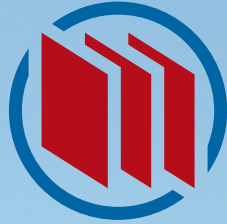


EFFICIENT. DURABLE. RELIABLE.



TRANTECH[™]
RADIATOR PRODUCTS, INC.



www.trantechradiators.com





Known for its **reliable products and services**, Trantech Radiator Products is the **leading supplier** of panel radiators for distribution and power transformers to OEMs and electric utilities. Recently, Trantech expanded its role to **provide hands-on engineering services**. No other radiator manufacturer worldwide offers this service to its clients.



The Advantage

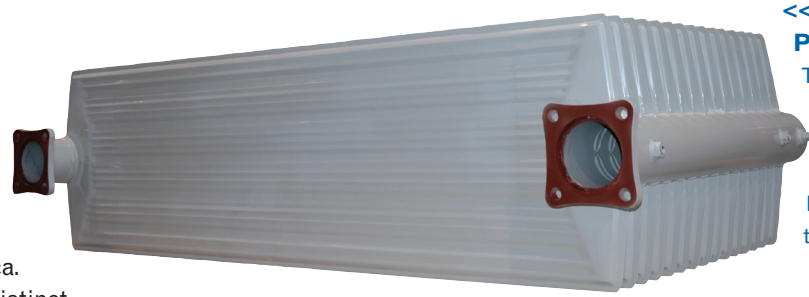
Trantech's Flexoplate® brand is the largest selling radiator in North America. Its ripple design offers distinct advantages over other types and styles of transformer coolers.

Flexoplate's® extended convective surface area delivers outstanding heat transfer efficiency. In addition, the ripple surface provides exceptional strength and rigidity to significantly reduce noise and vibration.

Flexoplate® radiators offer the widest selection of sizes in the industry, including a choice of weld-on or demountable styles.

Engineering Services

Trantech's engineering services offer heat transfer expertise



<<Introducing the New Patent Pending E4

Trantech's commitment to research and development has given life to a new version of the patent-pending 520mm radiator. The E4. Enhanced. Efficient. Effective. Economical. Like the company that makes it.

to OEMs and transformer owners that's not available through any other radiator manufacturer worldwide. Given the required cooling loads, Trantech can replace existing cooling systems or recommend a complete system for new transformers.

The only company with the ability to replace any type of cooling system, Trantech's broad product range consists of 9", 12", 15" and 520mm plate widths. The range allows Trantech to design replacement cooling packages to meet footprint requirements and provide maintenance-free cooling without compromising reliability.

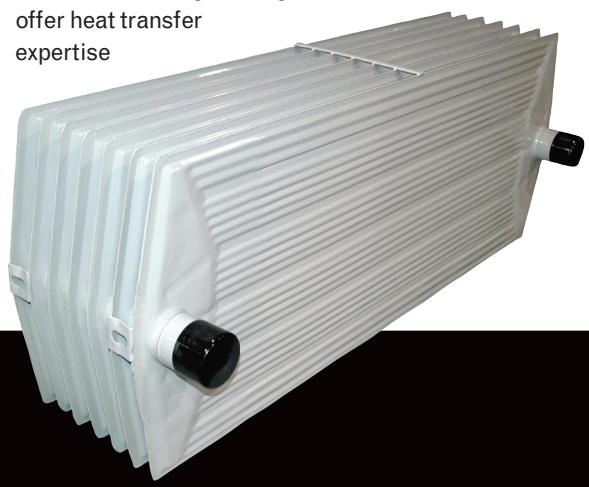


^ New and Improved Oil Channels

Trantech can replace traditional coolers, tube assemblies, panel radiators, corrugate and water coolers with cooling packages that ensure proper thermal performance.



IHR Type>>
For pole and pad mounted distribution transformers and regulators.



Radiators are available in two styles:

1. Integral Header (IHR) (9", 12", and 15" wide and the new 520mm)
2. Welded Header (12" and 15" wide, 520mm and the new E4)

>> Standard centerline mounting lengths range from 36 to 180 inches.



^ **Welded Header
520mm DIN Standard
Demountable Option**
For power transformers.

Product Styles

Plates are formed from cold rolled steel with vertical ripples to maximize heat transfer surface areas. To increase oil flow and heat dissipation, the end of each plate is designed with a thicker oil film, sloping toward the large open slot in the header tube.

Superior Product Benefits

Rounded plate edges. Plate edges are slit to width after welding and coined to provide a rounded edge, which enhances paint adhesion, stops corrosion and prevents moisture from accumulating.

100 percent self-draining. Trantech welded-header radiators are 100 percent self-draining.

Maximized header slots. The slotted header of welded Flexoplate® radiators is made of heavy wall 3½", 4" or 5" O.D. steel tubing, which provides strength for a self-supporting assembly. The area of the header slots is maximized to provide a full flow of oil through the rippled plates.

Plate-to-header. During the plate-to-header welding process, the insides of radiators are purged with an inert gas to eliminate weld scale.

Completed assembly of demountable radiators. Demountable radiators are fixtured as a completed

>>Available options

- 304L/316L stainless steel
- Various gauges of carbon steel
- Hot-dip galvanized
- Special paints
- Anchor studs or pads
- Thermowell fittings
- Fan mounting brackets
- Demountable option (includes lifting eye, flanges with gaskets, cover, and fill/drain fittings)
- 4-inch plate spacing
- Special packaging

<<**Welded Header 15" Width** assembly for accurate positioning of the mounting flanges.
For pad mounted and power transformers.

Leak tested.

Trantech radiators are 100 percent leak tested.

Powder Coat Pretreatment. All radiators are chemically cleaned and treated using an automated eight-stage metal cleaning and conditioning system, ensuring superior paint adhesion and corrosion protection.

Paint on the inside. Welded-header radiators are painted internally with

epoxy primer to ensure cleanliness and to enhance corrosion resistance.

Powder coating. Typical external paint coverage includes an ultra durable polyester powder coating that meets ANSI C-57.12.28 requirements with respect to adhesion, salt fog, humidity, Q.U.V. and Taber abrasion.

Welded Header 15" Width with Demountable Option>>
Typical of power transformers.



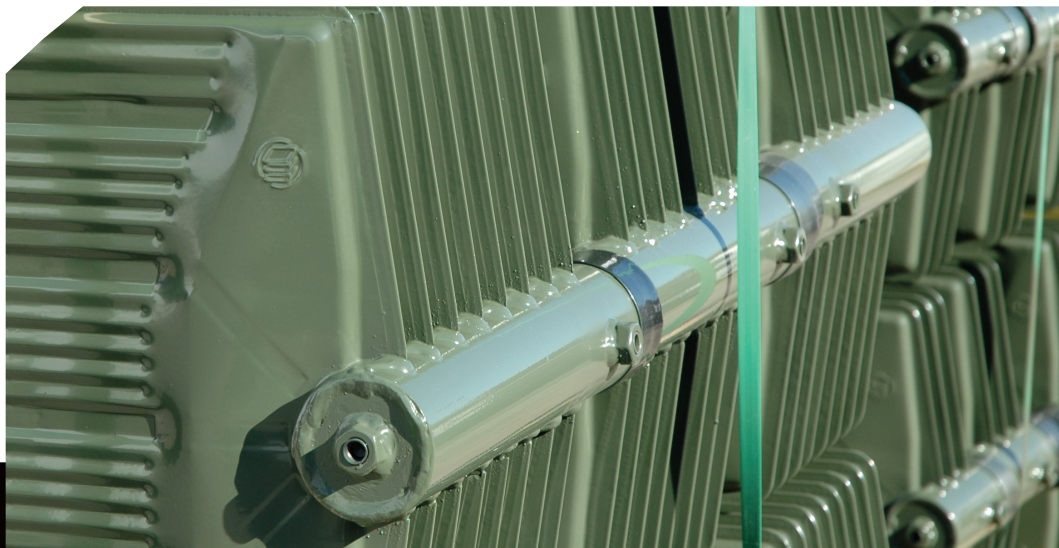
∨ **Transformer Valves**
Flapper seal completely inside valve body so that any size radiator header can be used with the standard valve.



Valves

Valves withstand more than 25 psi and full vacuum. To prevent interference with the transformer and radiator, all parts are contained within the body. The valve is designed so it locks in the open position.

Valves are painted ANSI 70 gray and shipped with O-rings and mounting accessories. Viton O-rings are available.





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Manufacturing Facility

Trantech opened for business in 1932, in Lansing, Mich. By 1970, the company needed more space and relocated to a 126,000-square-foot facility in Edgefield, S.C.

Trantech strives to lead the markets it serves by applying a simple philosophy: perceiving customer needs, providing better products and services than the competition and investing to maintain a competitive edge. This philosophy reinforces Trantech's long-standing reputation as the most customer-oriented manufacturer of heat exchangers.

Trantech Radiator Products, Inc., is ISO 9001 registered and adheres to the highest standards in designing, manufacturing and testing of its products. To learn more, visit www.trantechradiators.com.



Flexoplate®

Flexoplate® is a registered trademark of Trantech Radiator Products, Inc.