



TRANTECH[™]
RADIATOR PRODUCTS, INC.

Flexoplate[®]



World-Class Transformer Radiators





Wherever transformers are used, you'll find Trantech Radiators

It's true, you can find Trantech Radiators just about everywhere. In fact, Flexoplate is the largest selling radiator on the market. Time and time again, the transformer industry has selected Trantech Flexoplate radiators for their durability, efficiency and value. Flexoplate has become an integral part of power and distribution transformers throughout the world.

The Flexoplate Advantage

The unique Flexoplate ripple design offers clear advantages. The extended convective surface area of our exclusive design means Flexoplate delivers outstanding heat transfer efficiency. In addition, the ripple surface provides exceptional strength and rigidity, giving measurable reductions in vibration and noise levels.

Flexoplate radiators are available in the widest selection of types in the industry, including a choice of weld-on or demountable styles in a complete range of sizes.



Types

Trantech radiators have been developed for maximum flexibility and are available in two types: Integral Header (IHR) (9, 12, and 15 inches wide) and Welded Header (12 and 15 inches and 520mm wide). The 520mm provides a DIN Standard radiator configured to meet North American requirements. Standard center line mounting lengths range from 24 to

180 inches. 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.

Features and Benefits

Plate edges are slit to width after welding and coined to provide a rounded edge which enhances paint adhesion, precludes moisture accumulation and inhibits corrosion.

Trantech welded header radiators are 100% self-draining.

The slotted header of welded Flexoplate radiators is heavy wall 3-1/2", 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.

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

Demountable radiators are fixtured as a completed assembly for accurate positioning of the mounting flanges.

All Trantech radiators are available with a demountable option.

Trantech radiators are 100% leak tested.

IHR radiators are chemically cleaned internally and externally, and then power phosphatized to enhance paint adhesion and corrosion resistance.

Welded header radiators are painted internally with epoxy primer to ensure cleanliness and to enhance corrosion resistance.

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



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





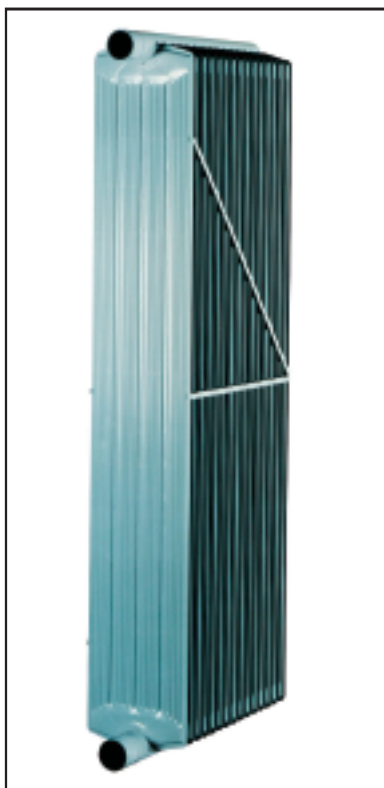
Welded Header 520mm DIN Standard – For power transformers.

Options Available:

- 316L Stainless Steel
- Various Gauges Carbon Steel
- Hot Dip Galvanized
- Special Paints
- Anchor Studs or Pads
- Thermowell Fittings
- Fan Mounting Brackets
- Demountable Option, including lifting eye, flanges with gaskets and cover fill and drain fittings
- 4-inch Plate Spacing
- Special Packaging



Welded Header 15" Width with Demountable Option – Typically for power transformers.



Welded Header 15" Width – For pad mounted and power transformers.



Valves

Valves are designed to 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 can be locked in the open position. Valves are painted ANSI 70 gray and shipped complete with NBR O-ring, shipping cover plate, four 3/4" x 2-3/4" grade 5 bolts, nuts and washers. Viton gaskets are available.





Manufacturing Facility

The company was founded in 1932, in Lansing, Michigan and was relocated to occupy 126,000 square feet of manufacturing space in historic Edgefield, South Carolina in 1970. We strive to be the leader in markets we serve by applying a simple philosophy: perceiving our customer's real needs; providing better products and services than the competition and investing to maintain a competitive edge. This philosophy reinforces our long-standing reputation as the most customer-oriented heat exchanger manufacturer.

Trantech Radiator Products, Inc. is ISO 9001 registered and adheres to the highest standards in designing, manufacturing and testing of our products. You can visit us on our website at www.trantechradiators.com.



Edgefield, South Carolina



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