



**Unifin**

A **Wabtec** company



**ForZair™**  
Transformer Coolers



Transformer  
Cooling Products

Cooling Solutions

# ForZair™ Power Transformer Coolers

Forced Air, Forced Oil Transformer Coolers

## Highlights:

Hot Dip galvanized finish

Optimum efficient fan blades

NEMA high temperature fan motors

Extruded tube or Plate-Fin heat transfer surfaces

Stainless steel hardware

Hinged cabinets

Accessible terminal box



## What we can do for you!

- Standardized designs for OEMs
- Reduced top oil temperature
- Increased cooling capacity
- Eliminate oil leaks and environmental concerns
- Plug and Play transformer oil pump replacements
- Reliable transformer shutoff valves
- Plug and Play replacement transformer coolers for:
  - Westinghouse
  - General Electric
  - ABB
  - Asea
  - McGraw Edison
  - Mobile substations

## ForZair™ Product Features:

### Rugged Design

First of many features is ForZair™ standardized cooler design which means we can manufacture and ship quickly.

### Cleanliness

Unifin uses an advanced flushing system to achieve ISO standards for cleanliness in the transformer industry.



### Hinged Fan Panels

Maintenance is critical to optimising the life of a transformer cooler, standard hinged panels make it easy to open the cooler and clean the fin surface.

### Fans and Motors

Fans and motors for ForZair™ coolers are based on exacting specifications for efficiency, long life and noise reduction.

## Cardinal Pumps and Valves...

Compliment ForZair™ transformer oil coolers with exacting specifications. They are perfect running mates.

- Centrifugal and axial flow
- Extreme temperature range performance
- Long life, low maintenance
- Precision bearings
- Optional **HARLEY**™ sleeve bearings
- Optional **TecSonics**™ bearing wear monitoring system
- Thermo-siphon flow impellers
- Continuous duty operation
- Oil immersed motors
- Heavy duty oil valves from 2" to 8"
- Performance run-in testing
- Certified performance curves
- Rebuilt Pumps for any manufacturer



Avoid future forced outages by replacing the valves during your next transformer outage. Replacement valves have the following features:

- Viton elastomers
- Back-to-back lip seal packing design
- Strengthened valve stems
- In-service maintenance ability

Field retrofit kits available for Westinghouse and McGraw Edison valves.



A World Leader

# Who We Are

## Service...Speed...Dependability

At Unifin the cooling of Electric Machines is our only business. Every resource in the company has been directed towards research and development to acquire world leading heat transfer technology and manufacturing processes. Today, this investment has established Unifin as a global leader in the supply of:

- Transformer Oil Coolers
- Transformer Oil Pumps
- Generator Coolers
- TEWAC Motor Coolers

### Global Presence

Headquartered in London, Ontario, Canada, Unifin is a global organization with locations in Canada, the United States and Asia.

### Our Brands

Unifin is a global company with worldwide recognized brands in transformer oil coolers, transformer oil pumps, generator coolers and TEWAC motor coolers.

- **ForZair™** transformer oil coolers
- **HeatSink™** portable transformer coolers
- **HARLEY** sleeve bearings
- **TecSonics™** bearing wear monitoring system
- **WeatherAll®** power cords
- **RCP™** coolers



*The Hottest Name in Cooling*



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