



Parts and Supplies

Trane Surefit™ Coils

Restore original HVAC system performance

TRANE
TECHNOLOGIES

Restore your peace of mind

Your HVAC system has to be dependable

Your facility depends on an efficient, reliable HVAC system for employee comfort and well-being. In many cases, critical process applications will be shut down in the event of a HVAC failure. It is essential to adopt a predictive rather than a reactive approach when it comes to maintenance.

Your energy costs are likely to be a large budget item needing careful management and efficient coils will deliver significant savings.

Coils are the most sensitive part

No matter what the brand of your equipment is, the most likely point of failure will be the heat exchangers, such as water coils or steam coils, situated indoors or outdoors. Coils lifetime is limited by nature. By necessity, they are constructed with thin metals for efficient heat transfer. These metals are under constant attack on the inside and outside by contaminants, the environment and the stress of continuous heat/cool cycles.

Warning signs

The most common failure mode is a coil leak, shutting down your HVAC system and possibly your site operation. But long before a leak develops, your system is likely to suffer a gradual loss of performance accompanied by a gradual increase in energy consumption.

Causes of coil damage

Dirt-encrusted fins

The large surface area and narrow gaps between coil fins causes dirt accumulation and incrustation. By insulating the fins, this dirt can prevent effective heat exchange as well as causing moisture carryover.

Neglected maintenance

If coils are not inspected and cleaned as recommended by the manufacturer, contaminants like dust, debris, mould and bacteria can accumulate. This can dramatically reduce coil lifespan.

Tube fouling

The gradual build-up of contaminant deposits within the coil tubing acts as insulation, reducing the ability of the coil to transfer heat. Sludge build-up will also reduce the internal diameter of the tube resulting in a water pressure drop. Corrosive elements in water can perforate the coil from the inside.

Thermal cycling

Repeated rise and fall in temperature can also separate fins and tubes affecting thermal performance. It can also create friction between tubes and other metal components leading to premature wear.

Environmental attack

Environmental conditions can weaken a coil's structure, causing premature failure. Air pollution can create acids that attack tubes and fins, especially the air-borne salt that is common in coastal areas. Water which collects on coils in winter can freeze and expand causing severe damage.

And...

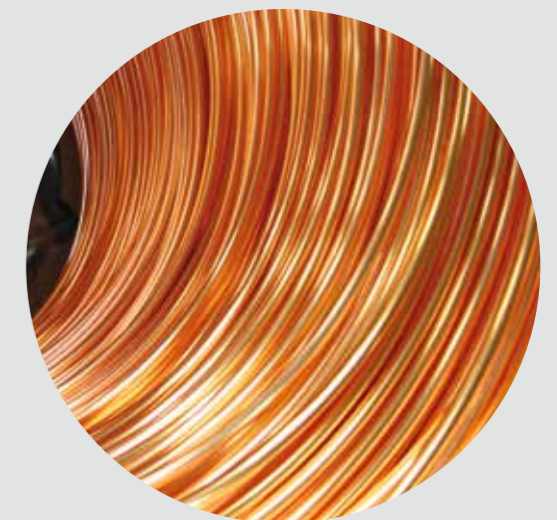
Other causes of coil damage can include extreme operating conditions such as excessive temperature, pressure, vibration or cycling. If the coils were not correctly specified at the outset, or are of an obsolete design, then system functionality will be jeopardized.



A simple and effective solution

Coil replacement is the most cost effective way to

- Avoid unscheduled breakdowns
- Reduce unscheduled maintenance costs
- Restore your HVAC performance to "as new" standards
- Regain system efficiency to cut energy costs



The solution is Trane SureFit™ coils

Trane is your single source of expertise

- On-site inspection
- Performance assessment
- Diagnosis
- Specification and quotation for replacement
- Supply, installation and commissioning
- Future service and maintenance

Sure to fit

Following a site inspection performed by a qualified service engineer, recommendations on corrective actions will be provided. When the specification is approved, we will provide rapid delivery and installation of competitively priced coils built to the right specification for your equipment, whatever the brand or application may be.

High-quality coils

Trane's expertise and attention to detail will ensure your SureFit™ replacement coils fit your application perfectly and perform as promised. Peace of mind comes from the assurance of years of trouble-free operation.

Coils for any application, equipment or brand

Regardless of your equipment's manufacturer, you can rely on Trane to provide a replacement that will improve efficiency, reduce energy costs and get your system up and running fast.

Competitively priced coils

Trane's extensive experience and manufacturing expertise gives us the capability to design, build and distribute high quality coils at a reasonable cost. In addition, Trane's large distribution network will provide efficient local support.

100 years of experience

With a century of leadership in coil engineering and manufacturing, Trane can guide you through the coil selection process. Your Trane representative has the expertise to ensure coils both fit your application and deliver the promise of performance and reliability.



Making buildings better for life



Performance

Trane SureFit™ replacement coils are designed, engineered, built and tested to be solid performers with the longest possible life. Regardless of the equipment or application, Trane SureFit™ replacement coils will help it perform at its best.

Innovation

Founded a century ago on the belief that imagination and inspiration can overcome any obstacle, the Trane legacy of technological breakthroughs has made it an industry legend. Today's Trane SureFit™ coils are the product of nearly 100 years of innovations to maximize performance, efficiency, reliability and longevity.

Commitment

Trane's reputation depends both on our products' performance as well as our relationships with customers. The Trane commitment to your satisfaction begins the moment you call us and is maintained throughout the coil manufacturing, delivery, installation, and their life span.

Knowledge

To become and remain an industry leader requires a full understanding of existing knowledge and a never-ending quest for new discoveries. For one hundred years, Trane has built and maintained its leadership status in the HVAC industry by employing the brightest and most inquisitive engineers and design experts—all of whom share a singular passion to know and explore the ever-evolving technology that improves the systems of our customers.

Trane SureFit coils

Evaporators and condensers for

- Hot or cold water
- Steam
- Refrigerant

A choice of protective coatings

- Epoxy coated fins
- Complete anti-corrosion treatment

A choice of design options

- Tube wall thickness
- Number of circuits
- Fin spacing

A choice of materials

- Aluminium
- Copper
- Stainless steel

Contact your nearest Trane sales office now, for more information or a quotation.

	Standalone and duct application	Air handlers	Terminal units and fan coils	Unit ventilators	Water source heat pumps	Split systems	Packaged rooftop units	Self-contained	Air cooled chillers
Hot water	✓	✓	✓	✓			✓	✓	
Chilled water	✓	✓	✓	✓			✓	✓	
Steam	✓	✓	✓	✓			✓	✓	
Evaporator	✓	✓	✓		✓	✓	✓	✓	✓
Condenser	✓	✓				✓	✓	✓	✓
Heat recovery	✓	✓	✓				✓	✓	✓



Trane Services

The real expertise of a manufacturer



- Systems approach
- Dependable installations
- Energy saving solutions
- Operating cost optimization
- Chiller plant management solutions
- Chilled water production solutions.

At Trane, we are committed to providing a comprehensive portfolio of HVAC solutions throughout your system lifecycle.



Breakdown resolution

No one plans for breakdowns, but when they happen you need the right partner. Our expert Service Engineers use the latest diagnostic tools to guide you through your options to Repair, Renew, Replace or ReThink.



Secure operations

At every point during the lifetime of your equipment - installation, commissioning, maintenance or breakdown - Trane can offer an effective solution with commissioning, first-aid kits and service agreements.



System upgrade

Trane Building Advantage

Trane is committed to bringing the latest technological advantages to our customers through a wide portfolio of solutions which increase the Efficiency, Reliability and Sustainability of their HVAC plants. Our Service Engineers use their expertise together with the latest diagnostic tools to future-proof your system and make it "better than before".



Equipment rental

For special events, exceptional needs or when you want to ReThink HVAC management, Trane Rental Services have the right solution. With our extensive fleet of equipment, we can perfectly match your temporary heating and cooling requirements.



Contact us

With over 1000 of the best trained sales engineers and service technicians in the industry, Trane is in the best position to serve your needs. Just call us and we will help you configure the Trane Free Cooling solution for your HVAC system.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.eu or tranetechnologies.com.