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HEAT EXCHANGERS WA

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HEWA'S CORE VALUES



THE CLIENT

Without the client there would be no us. We value all business from our clients and know that we would not be where we are without you.



FAMILY

Family at home, workplace family and our family of customers. Healthy happy families can only mean positive results.



ETHICAL BEHAVIOUR

Authentic ethical behaviour stems from practicing it with our clients, colleagues, suppliers, and most importantly ourselves. When ethical behaviour is practiced, it will be reciprocated.



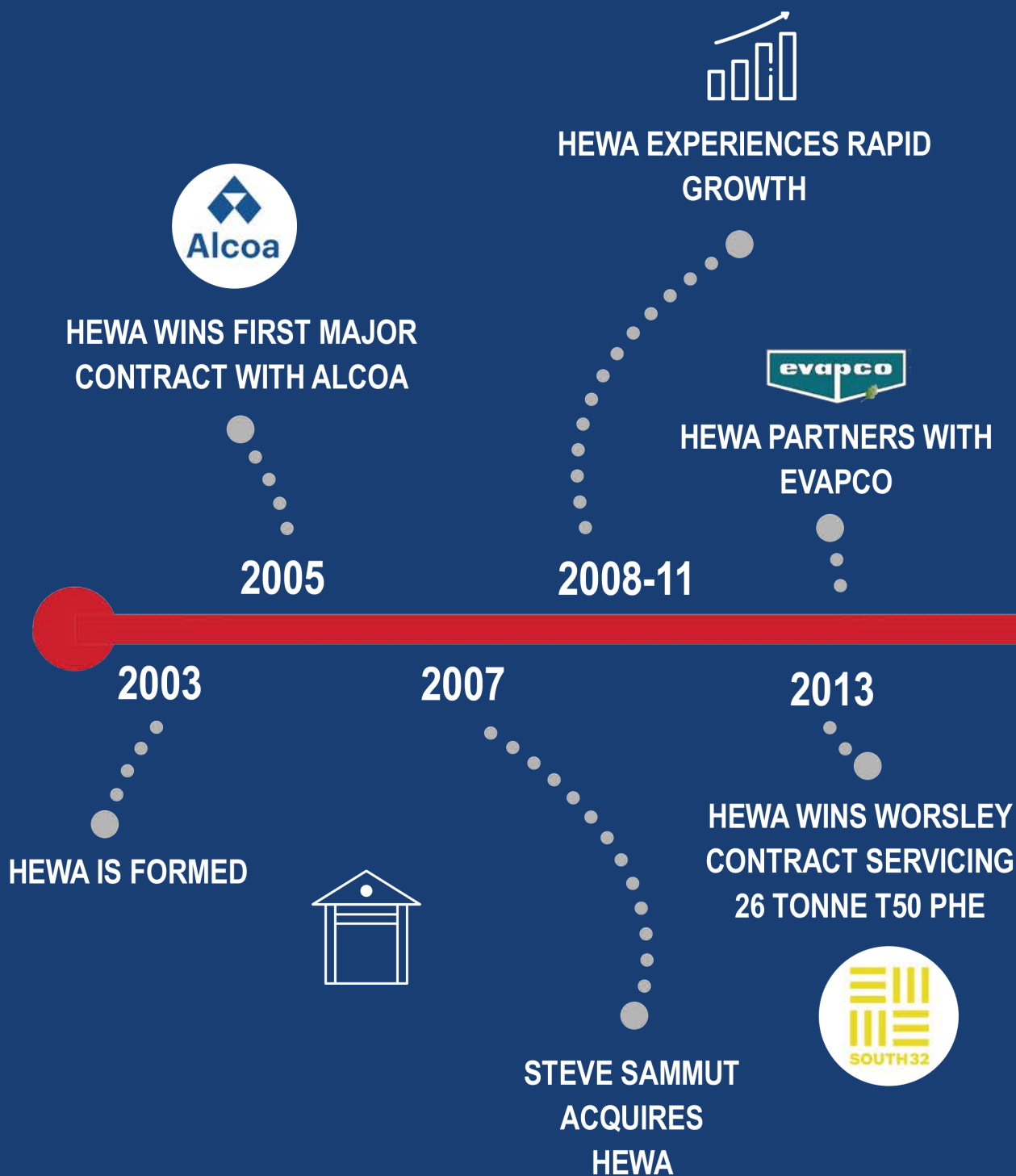
TEAMWORK

Working together results in success. We achieve our goals when united and become stronger as one.

OUR STORY

CUSTOMERS CREATED OUR BUSINESS!

Trusted by some of the biggest names in Industry, Resources, Mining, Oil and Gas,
as well as your local Brewery or Swimming pool.





HEWA MOVES INTO 4000m² PURPOSE
BUILT WORKSHOP



HEWA PARTNERS WITH
KELVION

2014

2016

HEWA GOES EAST WITH A NEW
REGIONAL SALES MANAGER



HEWA RENEWS 4 MAJOR
CONTRACTS WITH SOUTH32,
CHEVRON, ALCOA AND IXOM

2018

2020

2015



HEWA WINS MORE
CONTRACTS IN THE
OIL & GAS INDUSTRY

2017

2019

2021



HEWA WINS CHEVRON
GORGON, WHEATSTONE
CONTRACT



HEWA ACHIEVES
RECORD SALES



VERMILLION SIGNS A NEW CONTRACT
WITH HEWA FOR ANOTHER
CONSECUTIVE YEAR

WORKSHOP CAPABILITIES

WA'S LARGEST SERVICE CENTRE

Our 4000 m2 purpose built facility is equipped with a full range of service equipment and holds WA's largest Plate Heat Exchanger parts inventory. Open 24 hours a day, service is our passion.



32 and 10 Tonne Gantry Cranes

Our 2 overhead Gantry cranes are used to increase safety and efficiency within our facility and have varying load limits that allow us to service the largest Plate Heat Exchangers in the world!



ANY PART, ANY MANUFACTURER, ANY TIME

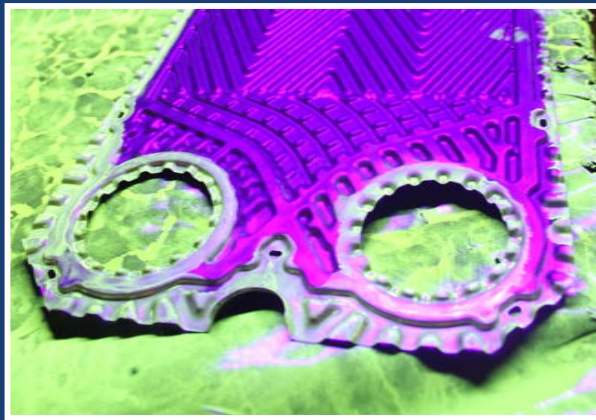


Purpose Built Chemical Baths

Custom designed and built chemical baths that allow manipulation to chemically clean any size and configuration of plates.

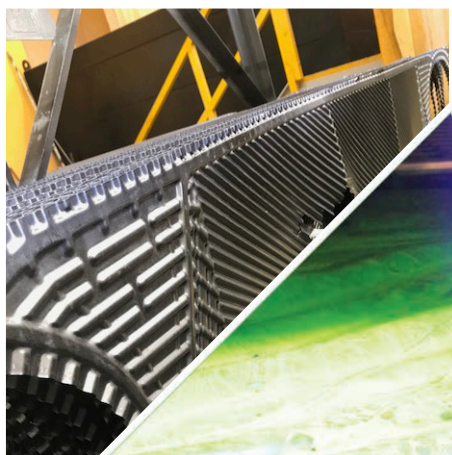
UV Crack Testing

Large purpose built spray booth for UV crack testing of any sized plate, providing visibility into the tiniest of flaws, such as cracks, corrosion and erosion, to eliminate PHE cross contamination.



Custom Built Gas Oven

Specifically designed for vulcanising two part epoxy glue or contact cement to secure gaskets to any sized plate.



CLEAN IN **PLACE** (CIP)

HEAT EXCHANGERS WA CAN CHEMICALLY CLEAN YOUR STATIC EQUIPMENT IN SITU

HEWA's CIP (Cleaning in place) skid has enabled us to clean the interior surface of your closed systems.

Cleaning is accomplished by circulating a chemical fluid through the unit. The combination of turbulent flow and chemical action dissolves and loosens deposits from the process equipment which are then filtered out.

CIP can be used for a wide variety of process equipment including but not limited to pressure vessels, condensers, shell and tube heat exchangers, small tanks etc.

BENEFITS

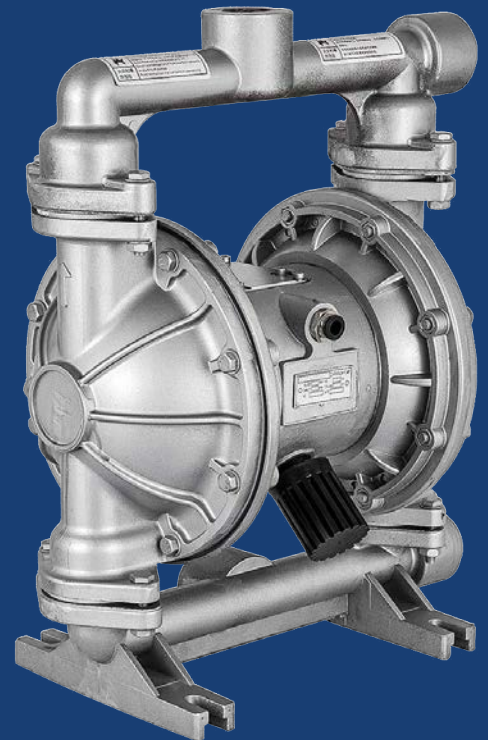
1. Reduce your downtime as the equipment is not needed to be removed from the site for cleaning.
2. Save you the disassembly cost, as we can now clean your equipment without disassembling it.
3. Reduced chances of environmental contamination

KEY FEATURES OF HEWA's CIP SKID

1. Stainless steel used throughout; enabling us to use a large variety of chemicals to clean your equipment.
2. 100% intrinsically safe.
3. 2 x 2" double diaphragm pumps 50% duty each.

The unit can operate with 1 pump or 2 depending on the volumetric flowrate required for cleaning.

4. 500-litre chemical holding capacity.
5. Temperature gauge to monitor any reactional changes resulting in a rise of fluid temperature.
6. Discharge & suction pressure gauges to measure before and after differential pressure to determine clean effectiveness.
7. Fully itemised valve matrix makes it easy to understand and operate.



KEY FEATURES OF HEWA's CIP SKID

1. Stainless steel used throughout; enabling us to use a large variety of chemicals to clean your equipment.
2. 100% intrinsically safe.

CHEMICALS USED FOR CLEANING

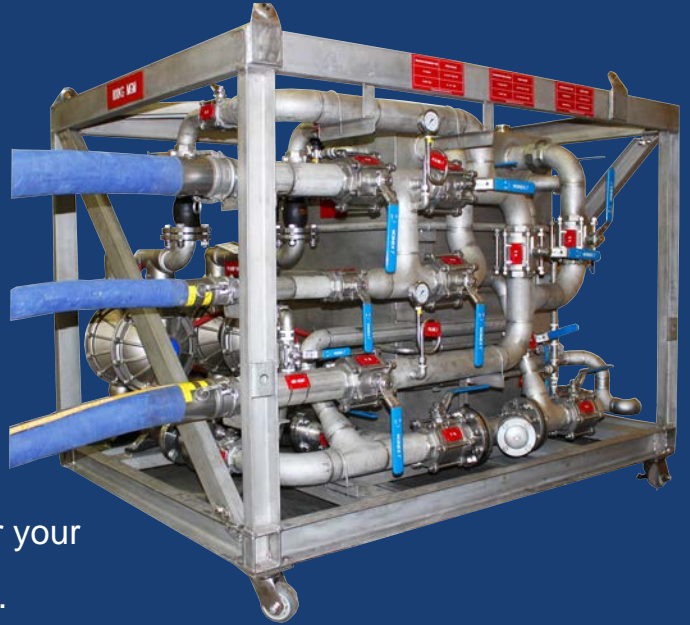
Our expert will select the best chemical suited for your equipment based on the nature of scaling/fouling.

Below is the list of some of the chemicals we may use.

- Sulphamic Acid / JosRed
- Phosphoric Acid / JosBlue
- Sodium Hydroxide

LIMITATIONS OF CIP

- The PHE inlet pipes must have appropriate connections for chemical inlet and outlet points.
- The isolation valves must be completely effective in order to prevent chemical contamination of the plant down or upstream.
- If appropriate connections for CIP are not available pipework will need to be removed. Steel bolts or studs on the flanges are susceptible to corrosion and may be difficult to undo. Breakage of a bolt or stud will add substantially to the cost and time taken to complete the cleaning process.
- If the heat exchanger is partially or fully blocked the chemicals will flow through the clear path and will clean the exposed surface. If the chemicals cannot come into contact with the contaminant CIP will not be effective.
- Cannot guarantee the plate has been completely cleaned as it cannot be inspected visually
- The plates cannot be integrity tested for fluid crosscontamination via UV crack testing.



EVAPORATIVE SERVICE & SPARE PARTS

ANY PART, ANY MANUFACTURER, ANYTIME

We provide servicing and spare parts to suit all makes and models of cooling tower, regardless of manufacturer. This includes but is not limited to: BAC, Evapco, Fibretech, Hydrothermal, Marley, Mesan, Shinwa and Temcel. No job is too big or too small for Heat Exchangers WA, we are your one stop shop for all your cooling tower requirements. Contact us today for a free inspection.

We offer the following services and parts, plus much much more!

- Equipment Upgrades and Retrofit Kits
- Fill media and Drift Eliminators
- Equipment Upgrades and Retrofit Kits
- Replacement Coils
- Axial and Centrifugal Fans
- Pump and motor rebuilds
- Aluminium Pulley Kits
- Fan Shafts and Bearings
- Water Distribution Systems
- Air Inlet Louvre Replacements
- Access Platforms and Ladders
- Cooling Tower - Maintenance packages
- Cooling Tower - Inspections/Reports
- Custom built support frames
- Engineered Framework solutions
- Fibreglass Repairs and Re-engineering/design
- Removal and refurbishment of Pumps, Motors and Fans
- Sand blasting services/Paint and Refurbishment services
- Polyurea Corrosion Application Services
- Corrosion Protection Services
- Laser pump alignments
- Asset Condition Reports



Heat Exchangers WA in partnership with Evapco offer the best parts warranty in the industry! Evapco stand by their parts, offering a 2-year warranty on any part installed within non-Evapco cooling equipment. Replacement parts are designed and certified to match the existing unit.



EQUIPMENT **RANGE**

PLATE HEAT EXCHANGERS

HEWA'S EXPERIENCED INHOUSE TEAM OFFERS FAST TURNAROUND WITH TECHNICAL ADVICE, SELECTIONS AND QUOTES. COMPETITIVE PRICING WHILST MAINTAINING HIGHEST QUALITY.

Plate and Frame Heat Exchangers (PHE)

Vast range of models from 32mm (1 ¼") up to 500mm (20") connection size. Plate design for all applications - Traditional chevron type, semi-welded cassette, wide-gap, free flow, double-wall, high pressure. New super high efficiency range for high energy efficiency and mission important applications such as Data Centres. Standard plate materials including:

- Stainless steel 304, 316, Titanium
- Special alloys such as C-276 and more on request
- NBR, EPDM, Viton, Neoprene gaskets and more
- AHRI certified range for HVAC applications
- PED, ASME, ASME 'U' Stamp and & Australian Compliance



LOCAL AUSTRALIAN MANUFACTURE ASSURING SHORT DELIVERY TIMES. COAST TO COAST COVERAGE.

Brazed Plate Heat Exchangers (BPHE)

Extensive range of high efficiency super compact plate heat exchangers for:

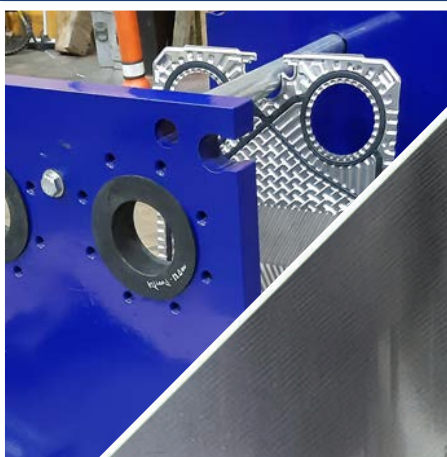
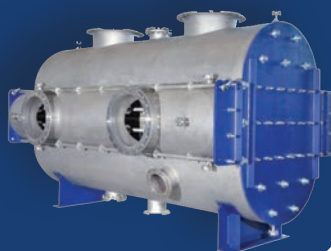
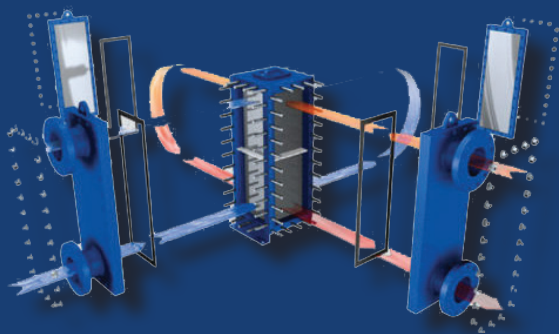
- 2-phase refrigeration applications
- HVAC / DHW, Industrial and more
- 140 bar high-pressure version for CO2 applications
- Conventional copper brazed
- Nickel brazed and fully stainless versions available
- Short delivery times from international and local stock
- PED, UL and ASME



Welded Plate Heat Exchangers

Robust fully welded design for reliability in the harshest operating environments.

- Plate type technology for superior heat transfer
- Custom made from modular concept
- Applications include single phase, condensation, vacuum condensation
- Partial phase change for chemical processes and more
- -200°C / 500°C and 100 Bar
- Connection size up to 3000mm (118")
- Stainless steel 304, 316, 904L and other alloys such as MO254 and C-276 on request
- Purpose built highly automated manufacturing facility offering product consistency and high quality
- PED, ASME and more.



EQUIPMENT **RANGE**

HEAT EXCHANGE SOLUTIONS

HEAT EXCHANGERS WA ARE THE PROUD REPRESENTATIVES OF KELVION.

Kelvion, have the proven expertise and unique competence gained through the design and manufacturing of Heat Exchangers for nearly a century.

Kelvion remain committed to earning your trust, offering one of the world's largest product portfolios in the field of heat exchangers.

Evaporators

Customised for industrial refrigeration or 'off the shelf' commercial designs typically used for refrigeration applications such as cool rooms, freezers etc.



Air Cooled and Adiabatic Refrigerant Condensers and Fluid Coolers

Flatbed or V-type, customised or modular.

Mainly used for commercial refrigeration of air-conditioning applications.



Field Erected Vacuum Steam Condenser

ACC - preferred option for air cooled vacuum condensers in API standard.

Typically utilised for petrochemical, oil & gas applications.



Dry Coolers and Radiators

Customised or modular depending on application and customer specification. Mainly used for power generation and industrial processes.



Air Fin Coolers

Air fin coolers are ideally suited to processes that require the transfer of large quantities of heat.



Shell and Tube Heat Exchangers

A wide range of shell and tube heat exchangers are offered to suit a variety of specifications and requirements such as; Steam Power, Machine Cooling, Petrochemical and Double Tube Systems.



Transformer Oil Coolers and Pumps

Ensuring the reliable and efficient dissipation of heat in oil-cooled transformers we offer air coolers and oil pumps for transformers separately

Air Pre-Heater

Air preheater are heat exchangers for heating and evaporation, for cooling and condensing and for heat recovery.



EQUIPMENT **RANGE** EVAPORATIVE SOLUTIONS

IS THE EXCLUSIVE FACTORY-AUTHORISED REPRESENTATIVE OF EVAPCO IN WESTERN AUSTRALIA

HEWA supplies the full range of Evapco's cooling towers, closed circuit fluid coolers, and evaporative condensers, all designed at Evapco's Headquarters in America. Evapco designs, manufactures and assembles all main components; for Western Australian projects, HEWA can offer local assembly (freight savings) at our purpose-built facility in Beckenham, Perth, WA.

Since its beginnings 1976, Evapco has developed into one of the world's largest and most environmentally-conscious manufacturers of premium-quality evaporative equipment. While maintaining a global profile, the company remains employee-owned and centred on small-business values. The vast product range available in Australia offers the following advantages:

- Thermal ratings verified and certified by a third-party organisation (CTI)
- Variable materials of construction to suit any application or specification (galvanised steel and stainless steel)
 - Ideal combination of low energy consumption and low sound emission
 - Industry-leading warranty period backed by the manufacturer
 - Much, much more!

Heat Exchangers Perth WA is a "one-stop-shop" for all of your evaporative cooling needs, please give us a call today!





Industry Leading Cooling Towers

Induced and forced draft open circuit cooling towers are available in galvanised steel, stainless steel grades for required corrosion resistance.

Closed Circuit Fluid Coolers





Induced and forced draft closed circuit coolers ensure that process fluid is not exposed to the atmosphere, eliminating exposure to oxygen and impurities.

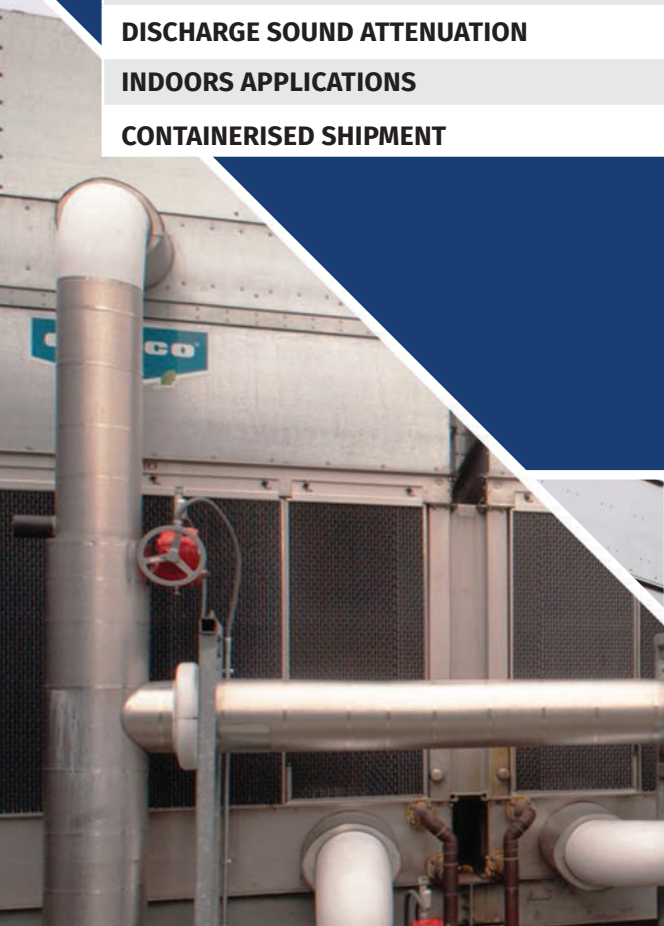
Evaporative Condensers

Induced and forced draft evaporative condensers have been designed for easy maintenance and long, trouble-free operations.








EVAPORATIVE SOLUTIONS






PRODUCT AND DESIGN FEATURES	COOLING TOWERS			
				
PRODUCT LINE	AT UT USS	AXS	LSTE	LPT
STANDARD FEATURES				
COUNTERFLOW	●		●	●
INDUCED DRAFT	●	●		
FORCED DRAFT			●	●
AXIAL FAN	●	●		
CENTRIFUGAL FAN			●	●
CTI CERTIFIED	●	●	●	●
FM APPROVED	●	●	●	
IBC COMPLIANT	●	●	●	●
COIL DESIGN VERIFIED	N/A	N/A	N/A	N/A
FIVE YEAR MOTOR & DRIVE WARRANTY	●	●	●	●
MATERIALS OF CONSTRUCTION				
G235/SS304/SS316	●	●	●	●
OPTIONS & ACCESSORIES				
SUPER LOW SOUND FAN	●	●		
DISCHARGE SOUND ATTENUATION	●		●	●
INDOORS APPLICATIONS			●	●
CONTAINERISED SHIPMENT	●		●	●



CLOSED CIRCUIT FLUID COOLERS

				
ATWB eco-ATWB	eco-ATWB-H	ESWB	LSWE	LRWB
●	●	●	●	●
●	●	●		
			●	●
●	●	●		
			●	●
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			●	●

EVAPORATIVE CONDENSORS

				
ATC-E eco-ATC-A	ATC-DC	PMC-E	LSC-E	LRC
●	●	●	●	●
●	●			
		●	●	●
●	●	●		
			●	●
N/A	N/A	N/A	N/A	N/A
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			●	●
●	●	●	●	●



Follow Heat Exchangers WA



HEAT EXCHANGERS WA

24 HOURS A DAY, 7 DAYS A WEEK

WA'S LARGEST SERVICE CENTRE STAFFED WITH EXPERIENCED
PERSONNEL, FOR THE ULTIMATE IN SERVICE



NEW HEAT EXCHANGERS



NEW COOLING TOWERS



PARTS FOR ALL MAKES AND MODELS



GAS TESTING



HYDRO TESTING



UV CRACK TESTING



CHEMICAL CLEANING



CIP CLEANING

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