

VOLGA COOLING TECHNOLOGIES

خبرة من عام 2007، الجودة هي المعيار الأساسي لدينا، وخدمة العميل الحقيقية قبل وبعد البيع هي شعارنا.

منتجاتنا:

تصميم وتصنيع:

- ❖ مبردات الشيلر
- ❖ المبردات الصناعية
- ❖ الشيلر للتكييف
- ❖ أبراج التبريد
- ❖ المبادلات الحرارية
- ❖ ملفات التبريد والتكييف والتدفئة (كويولات)
- ❖ أنظمة تبديل وتبريد معدات النفط والغاز

خدماتنا:

تصنيع وتوريد واصلاح وتجديد وصيانة جميع أنواع أنظمة التبريد ومعدات تحويل وتبريد ونقل الحرارة في السعودية ومنطقة الخليج العربي.

مصنع برج التبريد العالمي بالتعاون مع شركة فولجا لتقنيات التبريد الامريكية فرع السعودية

نحن نعمل كمصنع ومورد لأنظمة HVAC

إنه لمن دواعي سرورنا أن نقدم شركتنا **Global Cooling Tower Factory / VOLGA HVAC®** كشركة مصنعة لجميع أنواع المبردات وأبراج التبريد والمبادل الحراري وملفات كويولات التبريد وتكييف الهواء هنا في المملكة العربية السعودية.

نحن رواد نشاط التبريد والتكييف منذ عام ٢٠٠٧، وقد امتلكتنا خبرات متراكمة نقدمها لعملائنا لتقديم أفضل المنتجات والحلول والخدمات.

يتشرف فريق عملنا الهندسي والفني والإداري ذو الخبرة والمهارة العالية بتقديم الأفضل دائماً لديك إمكانية الوصول إلى مجموعة واسعة من الخبرات التقنية والشبكة الهندسية الماهرة لدعم المنتجات والمبيعات وخدمات ما بعد البيع.

عنوان المصنع:

جدة - المدينة الصناعية الثالثة بجدة

روابط المواقع / www.gctsaudi.com

للتواصل / Administration Dev: +966 55 043 3333
+966 56 372 4444

www.volga.co.com

Sales Dev: +966 55 503 8099
+966 55 704 0238

www.alshehri-group.com

Engineering Dev: +966 50 359 2456

We Are Working as Manufacturer, Supplier HVAC.

It is a matter of great pleasure for us to introduce our company **Global Cooling Tower Factory / VOLGA HVAC®** as a manufacturer of all kinds of Chillers, Cooling Towers, Heat exchanger, Air conditioning coils here in Kingdom of Saudi Arabia. Being in a manufacturing field since 2007, we have been able to repair or replace parts or whole systems to the entire satisfaction of our Customers. Our experienced engineering work force & skilled workmanship of 15 members having a proven track record.

You have access to a wide range of technical Expertise, skilled engineering network for our product, sales and after sales services. Some of our manufactured HVAC Equipment's are:

➤ Manufacturing All kinds of Chillers:

- ❖ Industrial Chiller
- ❖ Commercial chiller
- ❖ Air Cooled Water Chiller
- ❖ Water Cooled Chiller

➤ Manufacturing All kinds of Cooling Towers:

- ❖ Open Circuit Cooling Tower
- ❖ Closed Circuit Cooling Tower
- ❖ Cooling Towers FRP, Gi-SS. Steel
- ❖ Evaporative condenser
- ❖ Dry Cooler

➤ Manufacturing, Fabricate, Supply & Replacement All kinds of Heat Exchangers:

- ❖ Shell & Tube Heat Exchanger
- ❖ Plate Type Heat Exchanger
- ❖ Fanned heat exchanger
- ❖ customized HVAC. Cooling Systems products
- ❖ Retubing of all kinds of Heat Exchangers

➤ Manufacturing, Fabricate, Supply & Replacement All kinds of Cooling Coils:

- ❖ Condenser Coil
- ❖ Evaporator Coil
- ❖ AHU Coils
- ❖ FCU Coils
- ❖ Gas Cooler
- ❖ Oil Cooler
- ❖ Air Cooled Condenser Coils
- ❖ Ammonia Coil
- ❖ gas coil for all CT. brand.

VOLGA COOLING TECHNOLOGIES-USA
COOLING TOWER, INDUSTRIAL CHILLER, COMMERCIAL CHILLER
HEAT EXCHANGER, COILS, COOLING SYSTEMS, AHU, FCU & HEAT TRANSFER

VOLGA HVAC[®]

INDUSTRIAL CHILLER

PRODUCT PROFILE

-  **Fast Cooling**
-  **Intelligent Temperature Control**
-  **High Quality Compressor**
-  **SS Water Tank**
-  **Good Brand Water Pump**
-  **Failure Testing**

-  **overload protection**
-  **overheating protection**
-  **refrigerant protection**
-  **antifreeze protection**
-  **pressure protection**
-  **Exhaust temperature protection**
-  **water flow protection**
-  **phase sequence protection**



INDUSTRIAL AIR-COOLED CHILLER



Introduction

It is manufactured by modern advanced technology with excellent quality and beautiful appearance.

Cooling capacity from (1 TON - 10 TON). It can be widely used in chemical, food, plastic, electroplating, concrete mixing plant, laser, printing, circuit board and other industrial chilled water fields.



Evaporators

- Coil in the tank (for small chillers)
- shell & tube heatexchanger

The inner surface of the copper tube is threaded, the copper tube has a smooth appearance and good cooling effect. The evaporator tube is insulated with 26mm thick PE insulation board. No dew, less cold loss.



Condenser

The condenser is equipped with high-efficiency cross-seam fins and internally threaded copper tubes for high heat exchange efficiency and stability.



Box Material

The box plate of the fully enclosed chiller set is precision machined by CNC punching machine and painted with electrostatic powder, which is luxurious and beautiful in appearance and has good sound insulation effect.



High Quality Compressor

The compressor is the crucial "heart" that determines a chiller and it is equipped with the original the VOLGA chiller with brand new compressor is in line with international standers to improve high energy efficiency and more robust stability outshine its peers.



Digital Display Key Operation

Accurate temperature control, simple operation, stable signal

VOLGA HVAC

VS-A SERIES

Capacity 1 RT - 10 RT

- VOLGA-S10-A
- VOLGA-S30-A
- VOLGA-S50-A
- VOLGA-S100-A

● CUSTOMIZED CHILLERS



INDUSTRIAL AIR-COOLED CHILLER



Introduction

It is manufactured by modern advanced technology with excellent quality and beautiful appearance.

Cooling capacity from (60 TON - 90 TON). It can be widely used in chemical, food, plastic, electroplating, concrete mixing plant, laser, printing, circuit board and other industrial chilled water fields.



Evaporators

- Coil in the tank (for small chillers)
- shell & tube heatexchanger

The inner surface of the copper tube is threaded, the copper tube has a smooth appearance and good cooling effect. The evaporator tube is insulated with 26mm thick PE insulation board. No dew, less cold loss.



Condenser

The condenser is equipped with high-efficiency cross-seam fins and internally threaded copper tubes for high heat exchange efficiency and stability.



Box Material

The box plate of the fully enclosed chiller set is precision machined by CNC punching machine and painted with electrostatic powder, which is luxurious and beautiful in appearance and has good sound insulation effect.



High Quality Compressor

The compressor is the crucial "heart" that determines a chiller and it is equipped with the original the VOLGA chiller with brand new compressor is in line with international standers to improve high energy efficiency and more robust stability outshine its peers.



Digital Display Key Operation

Accurate temperature control, simple operation, stable signal

VOLGA HVAC

VH-A SERIES

Capacity 60 RT - 100 RT

- VOLGA-H600A
- VOLGA-H750A
- VOLGA-H1000A
- + 200 RT to 500 RT
- CUSTOMIZED CHILLERS



VOLGA COOLING TECHNOLOGIES-USA

COOLING TOWER, INDUSTRIAL CHILLER, COMMERCIAL CHILLER
HEAT EXCHANGER, COILS, COOLING SYSTEMS, AHU, FCU & HEAT TRANSFER

INDUSTRIAL WATER-COOLED CHILLER



Introduction

It is manufactured by modern advanced technology with excellent quality and beautiful appearance.

Cooling capacity from (200 TON - 600 TON). It can be widely used in chemical, food, plastic, electroplating, concrete mixing plant, laser, printing, circuit board and other industrial chilled water fields.



Shell Tube Evaporator

shell tube evaporator. Mix the chilled water, Improve heat transfer efficiency



Water Cooled Condenser

Nice and high efficiency energy saving. water cooled chiller need connect cooling tower



Ready To Use

Before leaving the factory. Already test it just connect water pipes and wires. and then can use it, no need complex install



High Quality Compressor

The compressor is the crucial "heart" that determines a chiller and it is equipped with the original the VOLGA chiller with brand new compressor is in line with international standers to improve high energy efficiency and more robust stability outshine its peers.



Digital Display Key Operation

Accurate temperature control, simple operation, stable signal



Capacity 50 RT - 250 RT

- VOLGA-2000-W
- VOLGA-4000-W
- VOLGA-5000-W
- VOLGA-6000-W



VOLGA COOLING TECHNOLOGIES-USA
COOLING TOWER, INDUSTRIAL CHILLER, COMMERCIAL CHILLER
HEAT EXCHANGER, COILS, COOLING SYSTEMS, AHU, FCU & HEAT TRANSFER

VOLGA HVAC[®]

COOLING TOWER SERIES

PRODUCT PROFILE

COOLING TOWERS SERIES:

- OPEN CIRCUIT COOLING TOWERS
- CLOSED CIRCUIT COOLING TOWERS
- AIR COOLED HEAT EXCHANGERS



8 Major Advantages of VOLGA Cooling Towers



Advanced equipment creates high quality products

We have introduced a large batch of state-of-the-art CNC laser cutters, hydraulic plate benders, automatic welding devices, packing production devices, impact testers, tensile testers, leakage testers, etc.



Energy Saving & Environment Protection

- Save water and sewage treatment costs.
- Reduce noise pollution.

- The metal part of the cooling towers is recyclable.
- Provide superior operational advantages to our customers.



All-round corrosion protection

- Tower body is made of FRP or stainless steel 316 or 304 or galvanized plate.

- Coil is constructed of stainless steel or copper pipes.
- Framework and lifting lugs are made of hot galvanized plate.
- Bolts and fasteners are made of stainless steel or GI materials.



Easy maintenance, repair & cleaning

- Cross flow cooling towers is equipped with large access doors and channels.

- Counter flow cooling tower maintenance does not require whole tower disassembly.
- Remove panels at the ends of water condenser and the maintenance can start.
- Efficient water tank can avoid channel blockage and reduce cleaning frequency.



Great cooling effect

- Advanced system design
- Efficient fan

- High quality coil, packing and heat transfer



Stable tower structure

- Reasonable reinforced framework design
- The joints of the tower body are fastened by welding & with bolts and bolts are reasonably and densely arranged.

VOLGA HVAC

COOLING TOWERS SERIES

1- OPEN CIRCUIT COOLING TOWERS

- FRP (Fiber glass) Cooling Tower
- Galvanized ,Stainless Steel Cooling Tower
- Counter Flow Cooling Tower
- Cross Flow Cooling Tower
- Mixed Flow Cooling Tower

2- CLOSED CIRCUIT COOLING TOWERS

3- AIR COOLED HEAT EXCHANGERS

- Flat Dry Type Air Cooler
- V-Shaped Dry Type Air Cooler



VOLGA COOLING TECHNOLOGIES-USA
COOLING TOWER, INDUSTRIAL CHILLER, COMMERCIAL CHILLER
HEAT EXCHANGER, COILS, COOLING SYSTEMS, AHU, FCU & HEAT TRANSFER

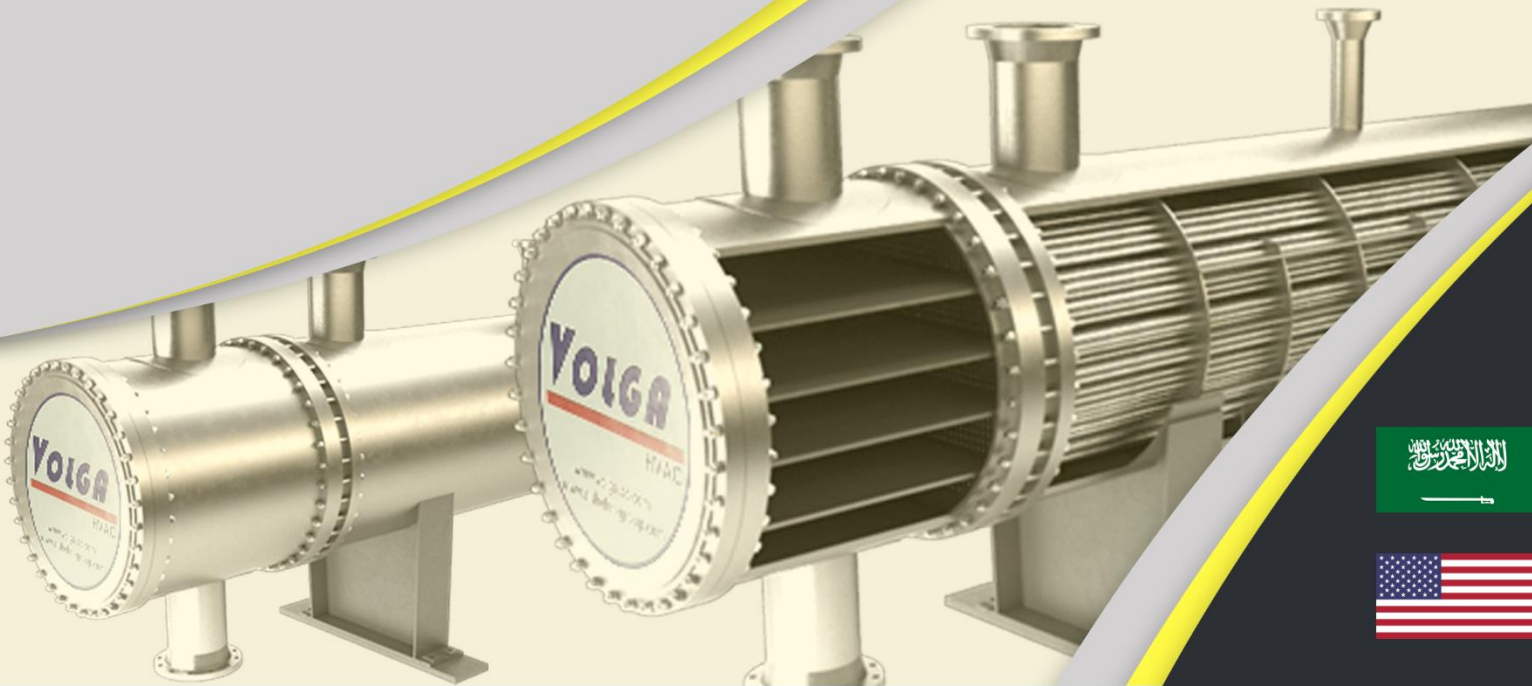
VOLGA HVAC[®]

HEAT EXCHANGER

PRODUCT PROFILE

HEAT EXCHANGER TECHNOLOGIES

- SHELL & TUBE CONDENSERS
- SHELL & TUBE EVAPORATORS
- HYDROLIC OIL COOLERS



HEAT EXCHANGER TECHNOLOGIES

Built from the highest-grade materials for optimal performance and long-lasting reliability,

SHELL & TUBE HEAT EXCHANGER

PERFORMANCE:

VOLGA -HVAC. Shell & Tube Heat Exchangers are used in industrial and comfort cooling units, manufactured in order to provide low pressure loss and high efficiency used in cooling applications where city water and storage water are used and in cooling applications with sea water.

Having adopted customer satisfaction as its main principle, VOLGA -HVAC. also renders services for customer focused projects under different working conditions in addition to its standard product range.

Oil cooling exchangers are ideal for heat transfer fluids, lubricating oils. These high-quality products are manufactured by latest production techniques using the best raw materials. Standard manufacturing range involves 4 fresh-water-cooled and sea-watercooled product groups. The products are marked by high efficiency, ease of cleaning, durability and low cost.

DESIGN AND MATERIAL

VOLGA -HVAC. Condensers are designed in order to minimize performance decreasing factors such as vibration and corrosion. and resistant to corrosive effects of sea water. Materials used are selected according to "European Pressure Vessel Codes"

Heat transfer pipes with a special geometry and inside and outside grooves enabling the heat transfer are

- made of copper, stainless steel 316
- Tube sheets and bodies are made of steel
- Head Covers are made of cast iron, SS316
- Bolts are made of steel alloy, SS316
- Gaskets are made of asbestos free materials that are compatible with HCFC and HCF cooling gases.



VOLGA COOLING TECHNOLOGIES-USA
COOLING TOWER, INDUSTRIAL CHILLER, COMMERCIAL CHILLER
HEAT EXCHANGER, COILS, COOLING SYSTEMS, AHU, FCU & HEAT TRANSFER

VOLGA HVAC[®]

COILS PRODUCT PROFILE

A COMPLETE LINE OF OEM AND CUSTOM-BUILT COILS

- CHILLED WATER
- HOT WATER
- DX EVAPORATOR
- HEAT RECLAIM
- CONDENSER: FLAT, L-SHAPE & U-SHAPE
- STANDARD STEAM
- NON-FREEZE STEAM DISTRIBUTING
- BOOSTER/DUCT MOUNTED
- DESATURATION
- RUN-AROUND
- TUBE BUNDLES



CUSTOM COILS



Built from the highest-grade materials for optimal performance and long-lasting reliability, our custom commercial coils are designed to match every detail of your existing coil.

BOOSTER COILS → Designed for air heating applications using hot water with a variety of casing configurations available, including fully flanged, slip and drive or end plates only.



CHILLED WATER COILS → Tube-and-fin heat exchangers usually consisting of 4–12 rows of tubes that pass through sheets of formed fins bonded through tube expansion. As warm air passes across the coil and contacts the cold surface, heat transfers from the water flowing through the tubes to the air entering the coil. Entering chilled water temperatures range from 40o–55o depending on engineered specifications.



DX EVAPORATOR COILS → Designed to be used in air-side applications for cooling, heating and dehumidifying with various circuiting options, as well as face split and intertwined designs.



STEAM COILS → Designed for medium temperature applications where the entering temperature is approximately 55o or higher, with many material construction options to accommodate all steam pressures.



HOT WATER COILS → Tube-and-fin heat exchangers consisting of 1–4 rows with typical entering water temperatures between 120o–180o. As cold air passes across the coil and contacts the hot fin surface, heat transfer occurs. Construction for hot water coils is the same process as chilled water coils.



STEAM DISTRIBUTION COILS → Also known as non-freeze steam coils, they are designed for low temperature applications with entering air temperatures of 55o or lower. The design consists of one header, a tube-within-a-tube configuration and steam jets that pass the steam from the inner tube to the outer tube. After the steam leaves the inner tube, it condensates and flows back to the return connection. Steam distribution coils are typically manufactured using a pitched casing for optimal condensate flow back to the return connection.



CONDENSER COILS → Built to rigorous specifications for efficient heat transfer that's ideal for outdoor use. We place an emphasis on brazed connections to combat thermal expansion, as well as harsh environments. All feeds have oversized tube sheet holes to allow unrestricted expansion and contraction of the copper tubes, increasing the reliability of our condenser coils. Designed for use with all refrigerants, including HFCs and HCFCs



VOLGA COOLING TECHNOLOGIES-USA
COOLING TOWER, INDUSTRIAL CHILLER, COMMERCIAL CHILLER
HEAT EXCHANGER, COILS, COOLING SYSTEMS, AHU, FCU & HEAT TRANSFER

GLOBAL COOLING TOWER FACTORY

MEMBER OF
MOHAMMAD ALSHEHRI GROUP
VOLGA COOLING TECHNOLOGIES
MADE IN SAUDI ARABIA

CERTIFIED

(CTI), (ISO 9001:2015), (ISO 45001:2018), (ASO: QCMS: 1/2020),
(ASO: CSAMS: 1/2021), (ASO: OHSMS: 1/2021) CERTIFICATES.

CONFORM/ DESIGNED VOLGA - HVAC[®] FOR KSA & GCC. COUNTRIES.
2023 CTI, STANDARD - USA.

GLOBAL COOLING TOWER FACTORY.

VOLGA COOLING TECHNOLOGIES.

KSA.



USA.



www.gctsaudi.com / روابط المواقع

www.volga.co.com

www.alshehri-group.com

Administration Dev: +966 55 043 3333 / للتواصل

+966 56 372 4444

Sales Dev: +966 55 503 8099

+966 55 704 0238

Engineering Dev: +966 50 359 2456



(ASO: QCMS: 1/2020)



(ASO: OHSMS: 1/2021)



(ASO: CSAMS: 1/2021)



Certified ISO 9001:2015



(ISO 9001:2015)



(CTI)



ISO 9001:2015



ACCREDITED
Management Systems
Certification Body
MSCB-211



www.gctsaudi.com
www.volga.co.com

KSA. Jeddah 3rd industrial city

© 2007 - 2023 VOLGA HVAC[®]
SAUDI ARABIA, USA