



KING SUN
INDUSTRY



GENERAL CATALOGUE



MEMBER OF THE CTI



Environmental Management
EC012



KST-N



Profile ▶ Open type, induced draft, counterflow configuration.

Structure ▶ FRP

Fill media ▶ Air-vacuum forming, film type PVC fill (CPVC fill available for high temperature applications)

Features & Benefits ▶

- FRP casing & basin, free from rust and decay, long service life.
- Fills are air-vacuum formed with special pattern, maximizing heat-exchanging efficiency.
- Small tower dimensions, small footprint.
- Round design, permitting maximum air intake at whatever wind direction.
- Light weight & portable components, easy for transportation & lifting.
- Mesh air-intake effectively prevents foreign objects from entering into water basin.
- All supporting members are hot dip galvanized treated, very durable and resistant to corrosion.

Applicable for ▶

Heating, ventilation, air-conditioning, and light to midium processing applications.

Capacity range ▶

From 3RT to 1500RT

KST-H



Profile ▶ Open type, induced draft, counterflow configuration.

Structure ▶ FRP

Fill media ▶ Splash type wood fill

Features & Benefits ▶

- High pressure & heat treated splash type wood fill, capable of handling a maximum inlet tepmerature up to 99 °C.
- Most suitable for handling circulation water which's highly contaminated and very poor water quality.
- FRP casing & basin, free from rust and decay, long service life.
- Round design, permitting maximum air intake at wahtever wind direction.
- Easy operation & maintenance.
- All supporting members are hot dip galvanized treated, very durable and resistant to corrosion.

Applicable for ▶

Light to medium processing applications.

Capacity range ▶

From 80RT to 1250RT

KFT



Profile ▶ Open type, induced draft, counterflow configuration, modular design.

Structure ▶ FRP

Fill media ▶ Air-vacuum forming, film type PVC fill (CPVC fill available for high temperature applications)

Features & Benefits ▶

- FRP construction, long service life.
- Small footprint, taking up less site space.
- Modular design allows flexibility and maximum utilization of space.
- Fills are shielded by tower casing, free from environmental pollution and damages due to sunlight.
- Tight air intake louvers, preventing sunlight from hitting the water basin, reducing algae growth.
- Single side water inlet & outlet, reducing piping cost.
- Triple-pass drift eliminators effectively limit drift loss to less than 0.002 %.
- Special silent mat, minimizing water noise.
- Easy operation & maintenance.

Applicable for ▶

Heating, ventilation, air-conditioning, and light to midium processing applications.

Capacity range ▶

Single cell models from 40 -1000RT, and various modular combinations.



HKD



Profile ▶ Open type, induced draft, crossflow configuration, modular design.

Structure ▶ HDGS

Fill media ▶ Hanging type PVC fill (CPVC fill available for high temperature applications)

Features & Benefits ▶

- CTI STD-201 Certified.
- Crossflow configuration makes maintenance simple and safe.
- Hanging type fill minimizes clogging and icing problems.
- Drift eliminator is formed as part of each fill sheet, effectively limits drift loss to less than 0.005%.
- Louver type air intake ensures an even air entry and eliminates water splashing.
- Large size access door offers easy access to all of the towers' internal components.
- Light weight & portable components, allowing for easy transportation.
- Modular design allows flexibility and maximum utilization of space.

Applicable for ▶

Heating, ventilation, air-conditioning, and light to midium processing applications.

Capacity range ▶

Single cell models from 127-450RT, and various modular combinations.



KC



Profile ▶ Closed circuit type, induced draft, crossflow configuration, modular design.

Structure ▶ HDGS

Fill media ▶ a. Process fluid side:
High quality copper tubes (C12200)
b. Recirculating water side:
Air-vacuum forming, film type PVC fill

Features & Benefits ▶

- CTI STD-201 Certified.
- Closed circuit cooling towers combine heat exchangers and open cooling towers together, saving valuable space and reducing equipment cost.
- Closed loop isolates the process fluid from the outside air, keeping it clean and free from contamination.
- The need to shut down system for clearance is dramatically reduced.
- The cost with chemicals for treating recirculating water becomes much less.
- System service life is effectively extended.
- Offering operational flexibility for: free cooling operation & dry cooling operation, significantly reducing energy and water consumption.
- Crossflow configuration makes maintenance simple and safe.

Applicable for ▶

Heating, ventilation, air-conditioning, and light to midium processing applications.

Capacity range ▶

Single cell models from 80-150RT, and various modular combinations.

KCC



Profile ▶ Closed circuit type, induced draft, counterflow configuration, modular design.

Structure ▶ FRP

Fill media ▶ a. Process fluid side:
High quality copper tubes (C12200)
b. Recirculating water side:
Air-vacuum forming, film type PVC fill

Features & Benefits ▶

- Counterflow configuration maximizes heat-exchanging efficiency.
- Closed circuit cooling towers combine heat exchangers and open cooling towers together, saving valuable space and reducing equipment cost.
- Closed loop isolates the process fluid from the outside air, keeping it clean and free from contamination.
- The need to shut down the system for clearance is dramatically reduced.
- The cost with chemicals for treating recirculating water becomes much less.
- System service life is effectively extended.
- Offering operational flexibility for: free cooling operation & dry cooling operation, significantly reducing energy and water consumption.

Applicable for ▶

Heating, ventilation, air-conditioning, and light to midium processing applications.

Capacity range ▶

Single cell models from 20-70RT, and various modular combinations.



HKB



Profile ▶ Open type, forced draft, counterflow configuration, modular design.

Structure ▶ HDGS

Fill media ▶ Air-vacuum forming, film type PVC fill (CPVC fill available for high temperature applications)

Features & Benefits ▶

- CTI STD-201 Certified.
- Forced-draft counterflow design offers ideal solution to sites with constrained space.
- Suitable for outdoor, indoor and under-ground installations.
- Fully enclosed water distribution area, high efficiency centrifugal fans and belt type driving system result in low noise operation.
- Sound attenuators are available for air-inlet and air-outlet to minimize noise.
- Large access door offers easy entry to internal parts, allowing for easy cleaning and maintenance.
- Each unit can be shipped in two pre-assembled sections, significantly reducing installation time and cost.

Applicable for ▶

Heating, ventilation, air-conditioning applications.

Capacity range ▶

Single cell models from 93-396RT, and various modular combinations.

KCR



Profile ▶ Site erected, open type, induced draft crossflow / counterflow configuration.

Structure ▶ Wood / Concrete / HDGS / FRP

Fill media ▶ Film type - PVC, CPVC
Splash type - wood, PP

Features & Benefits ▶

- Each cooling tower is customized to meet client's specifications for cooling capacity, plan area, power consumption, noise level and service life.
- Offering clients big flexibility to choose structural material best meets their demand for cost and useful life.
- Various types of fill medias are available to satisfy any water quality.
- Meticulously designed driving system with mechanical parts carefully chosen to maximize the tower's thermal performance, ensure operation reliability & safety, and minimize maintenance costs.

Applicable for ▶

Large scale HVAC, power, and various kinds of heavy industrial applications.

Capacity range ▶

As per client's specifications.



SBR



- Profile** ▶ Double Inlet Centrifugal Fan with Forward Impeller.
- Impeller** ▶ With forward curved type blades, made of galvanized sheet steel..
- Housing** ▶ Made of galvanized sheet steel.
- Shaft** ▶ Made of C45 carbon steel bars.
- Bearing** ▶ Pillow block, self-aligning ball type bearing.

Features & Benefits ▶

- SBR series is licensed to bear AMCA Seal. The ratings shown in the catalogue are based on tests and procedures performed in accordance with AMCA publication 211 and AMCA publication 311; they also comply with the requirements of AMCA Certified Ratings Program.
- Each of the fans has a frame on both sides, which gives better strength and rigidity, and also offer possibilities of mounting in four different fan orientation.
- The rotor motor is 100% speed controllable, so noise and vibrations can be kept as low as possible.
- The impeller is configured to provide a high efficient and low noise aerodynamic flow path.
- The impeller is ballanced dynamically according to quality level G2.5 to ISO1940-1.

Applicable for ▶

Central air conditioning systems, heating & ventilation air conditioning systems, air purifiers, clean rooms, commercial kitchens, etc..

Remarks ▶

Other types of ventilation fan series are also available upon request.

XF



- Profile** ▶ Industrial Water Sand Filters

Filter tank ▶ Carbon Steel with five layers coating

Filtration media ▶ Selected North America natural silica sand. (Available for: 10 micron package & 5micron package)

Pressure rating ▶ 50PSI (optional for 100PSI, 150PSI)

How it works ▶ Filtration media & automatic backwashing

Features & Benefits ▶

- High quality selected North America natural silica filtration media guarantees optimum particle removal efficiency.
- Automatic backwash and backwash counting device provide easy operation and assure consistent water quality and production capability.
- Carefully selected parts and compact design minimize maintenance requirement.
- XF eliminates the causes rather than treating the symptoms of industrial water quality problems, resulting in:
 1. Less downtime & longer equipment service life
 2. Higher heat exchanging efficiency & less energy consumption
 3. Less biological problems & few chemicals requirement.
 4. Less maintenance costs.

Applicable for ▶

HVAC systems, heat exchanger protection, spray nozzle protection, cooling tower water, waste water discharge, well & river water, food & beverage plants, pre-filtration for cartridge or bag filtrations, and other filtration applications.

Q-Link MIE-G



Profile ▶ Stainless Steel Press Fittings

Materials ▶ SUS304 Stainless Steel

Certificates ▶ JSSA- SAS 322, JWWA

Pressure rating ▶ 150 PSI (10 kg/cm²)

Features & Benefits ▶

- Every MIE-G fitting has three protective materials- rubber ring, back-up ring, and grip ring.
- 360° full cylinder pressing - the meticulously designed press fit tools can create tight enclosure around the full cylinder of the mouth of every MIE-G fitting.
- Thanks to the unique designs and careful engineering, MIE-G promises clients the following advantages:
 1. No leakage, no vibration, no loosening.
 2. Cost saving - no need for welding rods, wires and gas, and can use light gauge tubes.
 3. Easy installation - installation can be handled by non-skilled manpower.
 4. Time saving - assembly is very simple and fast, and no need to wait for Hot Work Permits.
 5. Risk reducing - no flame on site, no smoke, no heat, no risk of fire or explosion.
 6. No need for extra cleanup once the job is done.
 7. Budget and cost can be easily controlled.

Applicable for ▶

Fresh & hot water supplies, heating & cooling systems.

Size range ▶

13SU - 60SU

Q-Link MIE-K



Profile ▶ Grooved-end Mechanical Couplings & Fittings.

Materials ▶ Ductile Iron / SUS304 Stainless Steel.

Certificates ▶ UL, FM.

Pressure rating ▶ 300 PSI (20 kg/cm²)

Features & Benefits ▶

- All MIE-K couplings & fittings were fully tested and confirmed at our Horus laboratory, certified by TAF.
- Materials of every parts were cautiously selected to ensure reliable, year-around operation of the plumbing systems.
- UL listed and FM approved, performance is guaranteed.
- Thanks to the unique designs and careful engineering, MIE-K promises clients the following advantages:
 1. Fast & easy to assemble, lower total installation cost.
 2. No need for welding torch or soldering equipment at site, work zone is much safer.
 3. Rigid couplings and flexible couplings provide various mechanical benefits to designers, installers and owners.
 4. The couplings can be rotated 360 degrees during assembly, so alignment can be handled very easily.
 5. Project schedule and budget can be easily controlled.

Applicable for ▶

Fire-fighting, fresh & hot water supplies.

Size range ▶

2" - 12"



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