REYMSA®

RT SERIES

COOLING TOWER

MODELS:

- RT, RTU, RTM
- RTP, RTUP, RTPM
- RTG, RTGM
- RTGTC, RTGMTC

Counterflow Cooling Tower
for HVAC and Industrial Applications

Thermal Performance Certified
by the Cooling Technology Institute

RT SERIES
COOLING TOWERS

The RT SERIES is a line of induced draft, counterflow cooling towers, constructed of structural FRP (Fiberglass Reinforced Polyester Resin).

RT Series has more than 3,800 models with thermal capacity certified by the Cooling Technology Institute (CTI).

REYMSA cooling towers are suitable for any application in the industrial and air conditioning market, some of these are:

HVAC
Hospitals, schools, hotels, buildings, malls.

INDUSTRIAL
Automotive, food, pharmaceutical, metallurgical and plastics industries.

DESIGN FEATURES

The RT Series has unique features that make it stand out in the cooling towers market and have led us to reaffirm our national and international leadership.

FRP Casing and Structure

It provides high mechanical strength, good flexibility, corrosion resistance and requires minimum maintenance.

Seamless Basin

One-piece construction eliminates risk of leakage, warrantied for 15 years.

CTI Certified

Thermal Performance Certified by the Cooling Technology Institute.

IBC Compliant[2]

Many of our models have been tested and certified to meet seismic requirements set by the International Building Code (IBC).

30+ Years Life Expectancy[3]

REYMSA's all high-grade structural fiberglass construction will deliver a tower with at least 2 times the life span of a galvanized steel tower, even longer than most stainless steel towers.

Exceed ASHRAE 90.1 Energy Efficiency standard

Our units exceed energy efficiency per ASHRAE Standard 90.1 to reduce operating cost and environmental impact.

Drive Systems

- Direct drive with induction motor.
- Direct drive with permanent magnet motor.
- Gear Drive System.

Low Sound Solutions

We have several options for applications where low noise levels are desired.

Wide range of sizes

- The sizes of our models increase in small jumps of 1 or 2 feet, giving us a greater number of options to choose from.
- We have a variety of fill options to meet any capacity in a compact area, as well as special fills for different applications.

1.- This limited warranty is only valid in United States & Canada.
2.- For a list of models, please consult your REYMSA representative.
3.- CTI Guideline 152, page 5 of 16, section 1.3: "Life of Structure - A reasonable anticipated life of 30-35 years can be expected from an FRP structure tower".

ADVANTAGES
OF FRP CONSTRUCTION

REYMSA Cooling Towers are constructed of Fiberglass Reinforced Polyester Resin (FRP), which makes our Cooling Towers stand out as the best in the market due to the great advantages provided by FRP:

CORROSION RESISTANCE

Structural FRP offers high corrosion resistance and has proven to be highly resistant to aggressive chemical water treatments.

BUILT FOR THE HARSHEST ENVIRONMENTS

STRUCTURAL FRP construction of REYMSA towers allows them to operate in the most severe climate conditions around the world, such as desert, coastal and sub-freezing temperatures when proper operating methods and controls are followed.

Structural Integrity: Meets high wind velocity requirements.

MINIMUM MAINTENANCE

High quality materials and high corrosion resistance help to reduce maintenance time and costs of our equipment. The FRP housing and structure only requires minimal and quick maintenance, basically for aesthetic appearance purposes.

VERY EASY TO WORK WITH

FRP can be repaired to its original condition with high grade resin material readily available anywhere.

STABILITY

FRP expands and contracts like stainless steel. However, unlike many competitor's towers that use welded or caulked seams in the cold water basin, REYMSA has a seamless cold water basin and body casing that eliminates the possibility of leaks.

RT SERIES
MODELS

The RT Series is offered as follows:

RT & RTU MODELS

Single fan towers

Two fan towers

Four fan towers

RTM MODULAR MODELS

Two fan modules

Direct Drive System Models with Induction Motor

RTP & RTUP MODELS

Single fan towers

Two fan towers

Four fan towers

RTPM MODULAR MODELS

Two fan modules

Direct Drive System Models with Permanent Magnet Motor

RTG & RTGTC MODELS

Single fan towers

RTGM & RTGMTC MODULAR MODELS

Single fan modules

Gear Drive System Models with Induction Motor

FEATURES
OF THE RT SERIES MODELS

RT MODELS

These are the models with the greatest flexibility to adapt to different needs and match any capacity.

Single fan model

Two fan model

Four fan model

Description

- Capacities ranging from 25 - 1,471 Nominal Tons[1] in a single unit.
- Over 700 CTI certified RT models.
- Available in one, two or four fan units with Direct Drive System.
- Low Sound and Super Low Sound option.
- Multiple fill options to achieve higher capacities in the same footprint.

RT MODEL SIZES (W x L)[2]		
Single fan models	**Two fan models**	**Four fan models**
3x3	7x14	14x14
4x4	8x16	16x16
5x5	8x19	16x19
6x6	8x22	16x22
7x7	8x24	16x24
7x8	8x27	16x27
7x9		
8x8		
8x10		
8x12		

1.- A Nominal TON is defined as 3 GPM of water cooled from 95°F HWT to 85°F CWT with a 78°F WBT.
2.- Approximate measures in feet.

RTU MODELS

RTU models have a reduced height, allowing to optimize transportation and lower freight costs.

Single fan model

Two fan model

Four fan model

Description

- Capacities ranging from 25 - 1,172 Nominal Tons[1] in a single unit.
- Over 250 CTI Certified models.
- Available in one, two or four fan units with Direct Drive System.
- Unitized body/basin.
- Low Sound and Super Low Sound option.

RTU MODEL SIZES (W x L)[2]		
Single fan models	**Two fan models**	**Four fan models**
3x3	7x14	14x14
4x4	8x16	16x16
5x5	8x19	16x19
6x6	8x22	16x22
7x7	8x24	16x24
7x8		
7x9		
8x8		
8x10		
8x12		

1.- A Nominal TON is defined as 3 GPM of water cooled from 95°F HWT to 85°F CWT with a 78°F WBT.
2.- Approximate measures in feet.

RTM MODULAR MODELS

Modular towers can have an unlimited number of modules to increase capacities and accommodate any thermal load.

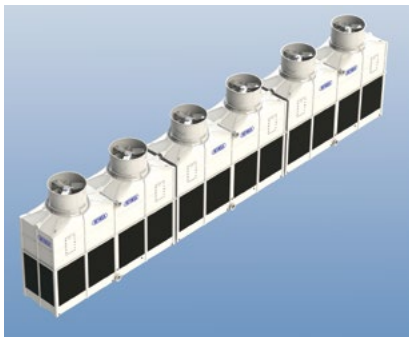
Two fan modules

Description

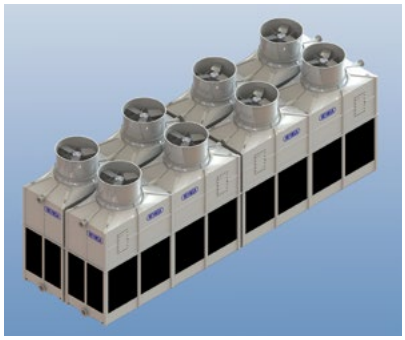
- Capacities starting at 227 Nominal Tons[1].
- Over 360 CTI Certified models.
- Available in two fan modules with Direct Drive System.
- Low Sound and Super Low Sound option.
- Multiple fill options to achieve higher capacities in the same footprint.

Modular models can be arranged in multiple ways, these are the most common:

-L Orientation:
Parallel to the long axis of module, side-by-side.



-S Orientation:
Aligned on the short axis of module, end-to-end.



-X Orientation:
Arrangement with one short side and one long side open per module.

RTM MODULE MODEL SIZES (W x L)[2]
Two fan modules
7x14
8x16
8x19
8x22
8x24
8x27

1.- A Nominal TON is defined as 3 GPM of water cooled from 95°F HWT to 85°F CWT with a 78°F WBT.
2.- Approximate measures in feet.

RTP MODELS

Maximum energy efficiency models, exceeding the minimum requirements established by ASHRAE Standard 90.1, by having a lower energy consumption per GPM.

Single fan model

Two fan model

Four fan model

Description

- Capacities ranging from 136 - 1,313 Nominal Tons[1] in a single unit.
- Over 130 CTI certified RTP models.
- RTP models offer increased capacity, up to 5% compared to RT models and up to 15% compared to Low Sound Models.
- Available in one, two or four fan units, **direct drive system with permanent magnet motor.**
  - Higher efficiency: The elimination of rotor conductor losses results in higher efficiency in permanent magnet motors.
  - Provides very high torque from small, low-speed motors, eliminating the need for gearboxes.
- Low sound operation with the standard fan.
- Multiple fill options to achieve higher capacities in the same footprint.

RTP MODEL SIZES (W x L)[2]		
Single fan models	**Two fan models**	**Four fan models**
7x7	7x14	14x14
7x8	8x16	16x16
7x9	8x19	16x19
8x8	8x22	16x22
8x10	8x24	16x24
8x12	8x27	16x27

1.- A Nominal TON is defined as 3 GPM of water cooled from 95°F HWT to 85°F CWT with a 78°F WBT.
2.- Approximate measures in feet.

RTUP MODELS

Maximum energy efficiency models, exceeding the minimum requirements established by ASHRAE Standard 90.1, by having a lower energy consumption per GPM. RTUP models have a reduced height, allowing to optimize transportation and lower freight costs.

Single fan model

Two fan model

Four fan model

Description

- Capacities ranging from 133 - 1,149 Nominal Tons[1] in a single unit.
- Over 50 CTI certified RTUP models.
- RTUP models offer increased capacity, up to 5% compared to RT models and up to 15% compared to Low Sound Models.
- Available in one, two or four fan units, direct drive system with permanent magnet motor.
  - Higher efficiency: The elimination of rotor conductor losses results in higher efficiency in permanent magnet motors.
  - Provides very high torque from small, low-speed motors, eliminating the need for gearboxes.
- Unitized body/basin.
- Low sound operation with the standard fan.

RTUP MODEL SIZES (W x L)[2]		
Single fan models	**Two fan models**	**Four fan models**
7x7	7x14	14x14
7x8	8x16	16x16
7x9	8x19	16x19
8x8	8x22	16x22
8x10	8x24	16x24
8x12		

1.- A Nominal TON is defined as 3 GPM of water cooled from 95°F HWT to 85°F CWT with a 78°F WBT.
2.- Approximate measures in feet.

RTPM MODULAR MODELS

Maximum energy efficiency models, exceeding the minimum requirements established by ASHRAE Standard 90.1, by having a lower energy consumption per GPM. Modular towers can have an unlimited number of modules to increase capacities and accommodate any thermal load complete with CTI-Certification.

Modular models can be arranged in multiple ways, these are the most common:

-L Orientation:

Parallel to the long axis of module, side-by-side.

-S Orientation:

Aligned on the short axis of module, end-to-end.

-X Orientation:

Arrangement with one short side and one long side open per module.

Description

- Capacities: Starting at 265 Nominal Tons[1]. **Modular towers can have an unlimited number of modules to increase capacities and accommodate any heat load**.
- Over 90 CTI certified RTPM models.
- RTPM models offer increased capacity, up to 5% compared to RT models and up to 15% compared to Low Sound Models.
- Available in two fan modules, **direct drive system with permanent magnet motor.**
  - Higher efficiency: the elimination of rotor conductor losses results in higher efficiency in permanent magnet motors.
  - Provides very high torque from small, low-speed motors, eliminating the need for gearboxes.
- Low sound operation with the standard fan.
- Multiple fill options to achieve higher capacities in the same footprint.

RTPM MODULE MODEL SIZES (W x L)[2]
Two fan modules
7x14
8x16
8x19
8x22
8x24
8x27

1.- A Nominal TON is defined as 3 GPM of water cooled from 95°F HWT to 85°F CWT with a 78°F WBT.
2.- Approximate measures in feet.

RTG MODELS

Large models for higher capacities per unit, with low noise levels.

Single fan model
Standard: *Gear Drive System*

Single fan model
Optional: *Direct Drive System*

Description

- Capacities ranging from 182 - 944 Nominal Tons[1] in a single unit.
- Over 400 CTI Certified models.
- Single fan models, **gear drive system.**
  - Optionally it can be configured with permanent magnet motor directly coupled to the fan.
- Low sound operation with the standard fan.
- Multiple fill options to achieve higher capacities in the same footprint.

RTG MODEL SIZES (W x L)[2]		
Single fan models		
8x12	10x12	12x12
	10x14	12x14
	10x16	12x16
	10x18	12x18
	10x20	12x20
		12x22
		12x23

1.- A Nominal TON is defined as 3 GPM of water cooled from 95°F HWT to 85°F CWT with a 78°F WBT.
2.- Approximate measures in feet.

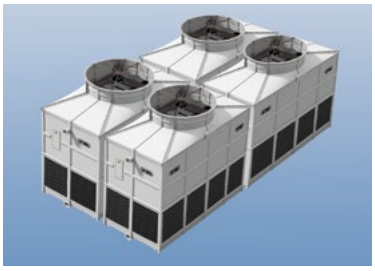
RTGM MODULAR MODELS

Large models for higher capacities per unit, with low noise levels. Modular towers can have an unlimited number of modules to increase capacities and accommodate any thermal load complete with CTI-Certification.

RTGM models can be arranged in multiple ways, these are the most common:

-L Orientation:
Parallel to the long axis of module, side-by-side.

-S Orientation:
Aligned on the short axis of module, end-to-end.



-X Orientation:
Arrangement with one short side and one long side open per module.

Description

- Capacities starting at 178 Nominal Tons[1].
- Over 450 CTI Certified models.
- RTGM models are available in Single fan models with Gear Drive System.
  - An optional Direct Drive System with a permanent magnet motor is available for RTGM models.
- Low sound operation with the standard fan.
- Multiple fill options to achieve higher capacities in the same footprint.

RTGM MODEL SIZES (W x L)[2]		
Single fan models		
8x12	10x12	12x12
	10x14	12x14
	10x16	12x16
	10x18	12x18
	10x20	12x20
		12x22
		12x23

1.- A Nominal TON is defined as 3 GPM of water cooled from 95°F HWT to 85°F CWT with a 78°F WBT.
2.- Approximate measures in feet.

RTGTC MODELS

RTGTC models are the highest capacity units, up to 4,050 gpm per unit and offer low sound by design.

Single fan model

Standard*: Gear Drive System*

Optional*: Direct Drive System*

Description

- Capacities ranging from 223 - 1,350 Nominal Tons[1] in a single unit.
- Some RTGTC models offer increased capacity up to 15% compared to RTG models.
- Over 420 CTI Certified models.
- Single fan models, **gear drive system.**
  - Optionally it can be configured with permanent magnet motor directly coupled to the fan.
- Low sound operation with the standard fan.
- Multiple fill options to achieve higher capacities in the same footprint.

RTGTC MODEL SIZES (W x L)[2]	
Single fan models	
8x12	12x12
10x12	12x14
10x14	12x16
10x16	12x18
10x18	12x20
10x20	12x22
	12x23

BOX SIZES
RTGTC Models (W x L)[2]
Single fan models
14x18
14x20
14x22
14x23
14x25

1.- A Nominal TON is defined as 3 GPM of water cooled from 95°F HWT to 85°F CWT with a 78°F WBT.
2.- Approximate measures in feet.

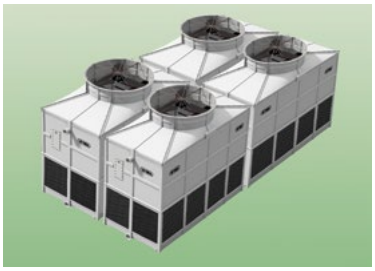
RTGMTC MODULAR MODELS

RTGMTC models offer high capacities, up to 7,790 gpm per module. Modular towers can have an unlimited number of modules to increase capacities and accommodate any thermal load complete with CTI-Certification.

RTGMTC models can be arranged in multiple ways, these are the most common:

-L Orientation:
Parallel to the long axis of module, side-by-side.

-S Orientation:
Aligned on the short axis of module, end-to-end.



-X Orientation:
Arrangement with one short side and one long side open per module.

Description

- Capacities ranging from 276 - 2,597 Nominal Tons[1] per module.
- Some RTGMTC models offer increased capacity up to 15% compared to RTGM models.
- Over 865 CTI Certified models.
- Single fan models, gear drive system.
  - Optionally it can be configured with permanent magnet motor directly coupled to the fan.
- Low sound operation with the standard fan.
- Faster and easier installation than most factory assembled and field-erected towers.

RTGMTC MODEL SIZES (W x L)[2]	
Single fan models	
8x12	12x12
10x12	12x14
10x14	12x16
10x16	12x18
10x18	12x20
10x20	12x22
	12x23

BOX SIZES			
RTGMTC Models (W x L)[2]			
Single fan models			
14x18	20x20	24x23	28x25
14x20			
14x22			
14x23			
14x25			

UP TO 28X25 BOX SIZE

Two cells, one fan:

Reduces electrical connections compared to regular models that require a fan per module/cell.

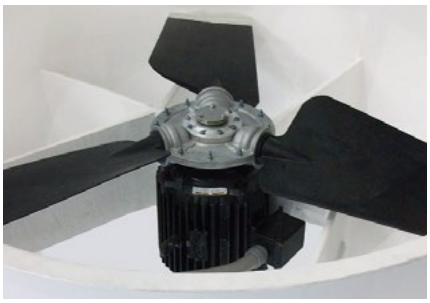
1.- A Nominal TON is defined as 3 GPM of water cooled from 95°F HWT to 85°F CWT with a 78°F WBT.
2.- Approximate measures in feet.

DRIVE SYSTEMS

Advantages of fans directly coupled to the motor:

- Minimal maintenance required.
- Fewer parts between motor and fan.
- No belts to adjust.

In addition, the fans have different characteristics depending on the model:



Direct Drive System for RT, RTU and RTM models

- Adjustable pitch air foil molded with fiberglass reinforced polyamide.
- Induction motor.

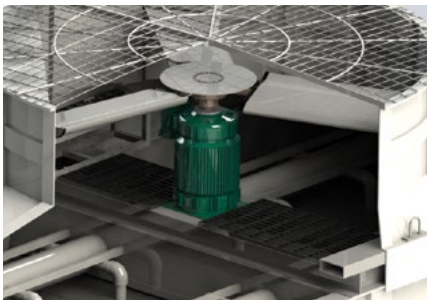
Direct Drive System for RTP, RTUP and RTPM models

- Adjustable pitch air foil blades made of aluminum[1].
- Permanent magnet motor.

The RTG and RTGM models have two drive system options:

Standard: Gear Drive System for RTG and RTGM models[2]

- Rigid shafts and permanently aligned housing guarantee alignment of the gears under load. Bearings are sized to meet or exceed the minimum life of AGMA and CTI.
- Flexible coupling that transmits power from one shaft to another, protects equipment by damping vibrations and absorbing shock loads.



Optional: Direct Drive System for RTG and RTGM models[2]

- Adjustable pitch air foil blades made of aluminum[1].
- Permanent magnet motor.

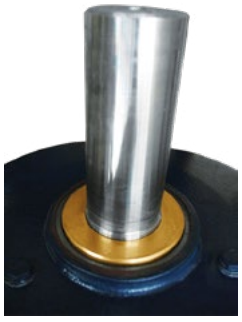
1.- Optional: Stainless steel blades.
2.- The standard mechanical support of the Gear Drive System is Hot Dipped Galvanized Steel (HDGS). Optional: FRP mechanical support.

HIGH EFFICIENCY COMPONENTS

MOTORS

All of our towers feature motors that exceed these Cooling Tower duty characteristics:

- Severe Duty.
- Marine Duty.
- Inverter Rated.
- Epoxy coated (internal and external).
- Premium efficiency motor.
- Cast iron construction.
- Inpro/Seal VBX bearing isolator for added protection.



The perfect protection

The Inpro/Seal VBX Bearing Isolator is a non-contacting, non-wearing, permanent bearing protection device, consists of a unitized stator and rotor that form a compound labyrinth seal with no wearing parts, manufactured in bronze for more extreme conditions. VBX ring blocks the transfer of vapor contamination created by heating/cooling of the bearing enclosure, maintenance free and zero energy consumption.

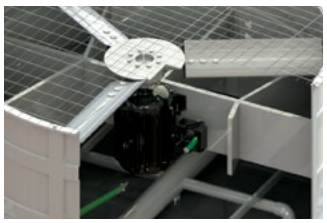
Minimal risk of failure

Over 51% of motor malfunctions are caused by bearing failure due to entering contamination and lubrication loss. REYMSA motor bearings are protected by Inpro/Seal VBX to prevent the risk of failure.

1.- This Limited Warranty is valid only in the United States & Canada.

PERMANENT MAGNET MOTORS

A key component in the RTP models is the low RPM permanent magnet motor specially designed for REYMSA towers.



In a permanent magnet (PM) motor, the rotor is permanently magnetized, unlike traditional induction motors whose rotor must be electrically magnetized to cause rotation. The efficiencies and energy savings offered by PM motors more than offset the higher first cost when the total cost of ownership is evaluated.

In addition to the features[1] it shares with the induction motor on the RT models, the permanent magnet motor has other unique features:

ADVANTAGES OF THE PERMANENT MAGNET MOTOR

☑ ULTRA EFFICIENCY

- The efficiency increase of a PM motor results mainly from the lack of need for currents to be induced in the rotor to create a magnetic field within the rotor, as needed in an induction motor. Eliminating the rotor conductor losses results in inherently higher efficiencies in PM motors.

☑ HIGH POWER DENSITY

- Permanent Magnet Direct Drive motors provide very high torque from small motors at low speed, eliminating the need for a gear reducer.
- Standard NEMA Frame Sizes and up to 2 frame size reduction compared to induction motors.

☑ LOWER OPERATING TEMPERATURE

- With less waste energy in the form of heat, PM motors operate cooler than induction motors, improving it's life expectancy and reliability.
- Lower amperage.

☑ LOW RPM OPERATION

In a low speed application the permanent magnet motor can be 1-2 frame sizes smaller, lower HP, lower amperage and with a smaller VFD, compared to the size and power requirement of common induction motors.

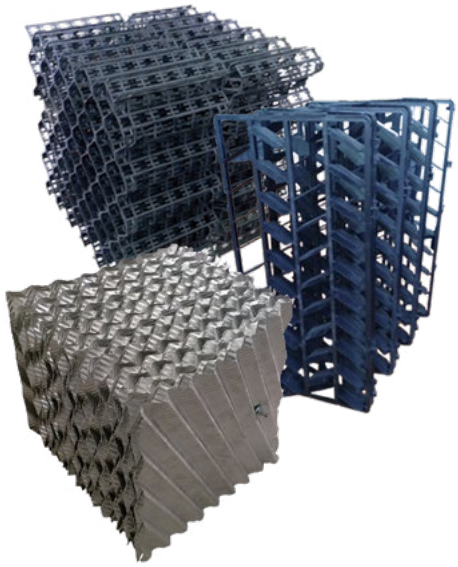
Permanent magnet (PM) motors must be operated by the VFD (Variable Frequency Drive) included in the PM motor package.

1.- Shares the features of the motor mentioned on page 15. (heavy duty, maritime work, etc.)

STANDARD FILL

High quality PVC film fill. For use in HVAC and light industrial applications where the water contains very low levels of total suspended solids.

UV stabilized, resistant to weather exposure, chemical degradation from alkali, acids and biological attacks.



SPECIAL FILLS

- Trickle fill for applications where the circulating water has very high levels of suspended solids and high potential for scale buildup.
- Hinged panel fill with an open design that provides maximum fouling resistance, even in dirty water applications where fibers are present such as: Refining, Petrochemical, Steel, Chemical, Pulp & Paper, and Food Processing industries.
- Aluminum sheets for applications with high temperature incoming water.

TRIPLE PASS LOUVERS

PVC air inlet louvers, designed to:

- Minimize direct sunlight to the water.
- Reduce splash out - reduced make-up water and chemicals.
- Reduce noise while having low pressure drop that results in less fan motor energy consumption.
- The potential of algae growth is reduced, therefore reducing water treatment and maintenance cost.
- UV stabilized - longer service life.

WATER DISTRIBUTION SYSTEM

Our hot water distribution system is manufactured from PVC to eliminate corrosion, assuring a long service life and maximum reliability.

After the water distribution system is assembled, REYMSA tests it for leaks with 40 psig water pressure.

SPRAY NOZZLES

REYMSA uses 2 ½" N.P.T. nozzle with interchangeable internal components for its design and its unique square water spray pattern.

The square spray pattern provides the best choice for a reliable fill coverage and results in an optimal thermal performance.

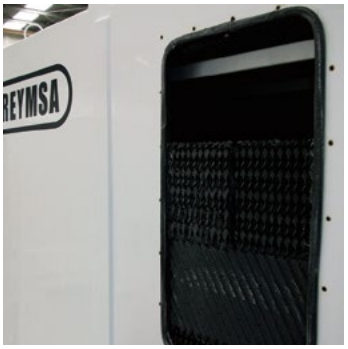
This industrial nozzle handles flow rates of 10 times per nozzle more than the typical cooling tower nozzle and has over 30 years of experience in power plant and large industrial cooling tower applications.

OPTIMAL
DESIGN SYSTEM

EASY ACCESS TO INSPECTION AND MAINTENANCE

Every REYMSA cooling tower includes an access door for complete access to both the spray water system and fill. No tools are required to open the access door.

Removing the air inlet louvers gives the service people complete access to the cold water basin for inspection & cleaning.



FACTORY TESTS

Every tower is assembled and tested at our factory prior to shipment to ensure the tower is in optimal condition.

EASY ASSEMBLY

- REYMSA towers are shipped in modular sections, designed for fast assembly.
- Assembly is reduced to placing and bolting the fan duct and the body section.
- Easy assembly of all our towers results in lower installation costs.

COOLING TOWER
Shipping and Assembly

LOW SOUND SOLUTIONS

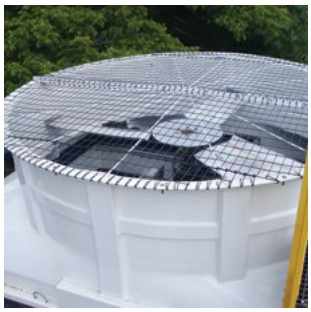
Some applications will require that our cooling towers meet or comply with lower sound levels than our standard, that is why REYMSA has different options to meet the needs of any project.

If you have such an application, contact your local REYMSA representative for assistance in the appropriate cooling tower selection.

The RT Models are available with our optional “Low Sound” and “Super Low Sound” level fan designs (for models with Direct Drive System) which allow for a significant reduction in fan noise by utilizing a low RPM motor and a low noise sickle blade fan.

Low Noise and Super Low Noise models can be identified by the suffix “LS” and “SLS”.

The **RTG** and **RTGM** models have a gearbox transmission system and offer Low Noise by design.



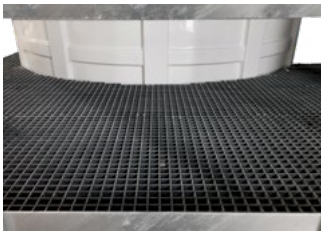
The **RTP, RTUP and RTPM** models feature a direct drive system with a low RPM permanent magnet motor and offer Low Noise by design.

OPTIONAL EQUIPMENT

ACCESS LADDER, HANDRAIL & CAGE

For safe access to fan assemblies, available in:

- Stainless Steel
- Galvanized Steel



NON-SKID CATWALK

Access platform for maintenance and service, made of FRP grating, light and resistant to corrosion with stainless or galvanized steel support.

DAVIT / HOIST

- For motor removal where crane access is difficult.
- It can be disassembled for relocation when more than one cooling tower is installed.

Available only if requested at the time of purchase; must be Factory Installed.

ELECTRIC WATER LEVEL CONTROL

Includes water level controller, stilling chamber, and solenoid valve for make up water.

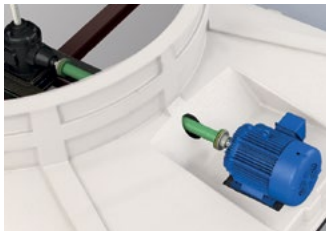
BASIN HEATER

Designed to provide freeze protection during shutdown or standby conditions. Includes heater element, thermostat, and low water level safety cutoff.

VIBRATION CUT-OFF SWITCH

Vibration switch interrupts the power to the fan motor when triggered by excessive vibration or shock.

OPTIONAL EQUIPMENT



EXTERNAL MOUNTED MOTOR

Motor mounted outside the airstream, connected by a drive shaft for easy access for maintenance.

Available only if requested at the time of purchase; must be Factory Installed.

SHAFT GROUNDING RING

Shaft grounding is recommended (NEMA MG1 31.4.4.3) as an effective means of bearing protection for motors operated from inverter power supplies.

AIR DEFLECTORS

Made of a curved deflecting surface that redirects air and sound.

FLAME RETARDANT RESIN

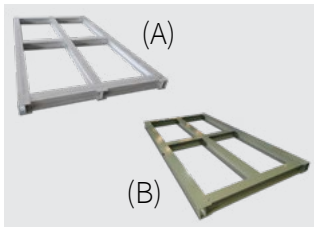
Controls the spread of flame meeting the ASTM-E84 standard.

Available only if requested at the time of purchase; must be Factory Installed.

FIRE SPRINKLER

Fire Sprinkler System option is designed to meet FM Global Standards.

Available only if requested at the time of purchase; must be Factory Installed.



STEEL BASE SUPPORT (SBS)

A. Hot-dip galvanized steel support (HDGS).

B. Steel support with anti-rust paint.

- Fabricated and Shipped from our Factory.

Basin Sweeper

CENTRIFUGAL SEPARATOR

- Mechanical device that uses the principle of centrifugal force and friction to cause the separation of suspended solids from liquids, effectively removing suspended particles larger than 40 microns from a variety of fluids.
- It is a low cost option for removing environmental contaminants for HVAC and Industrial applications.
- Other than the pump, it has no moving parts or filter media, so it requires less maintenance than other systems.
- May be used in Side-Stream mode or with Basin Sweeper installations.
- Automatic purge system with valve and electric actuator.

OPTIONAL COLORS

We have three standard colors and multiple optional colors to fit and match the overall tone of your building or landscape.

The color pigment is an integral component of the finished FRP product. It is not externally applied, like paint, so it will not peel or chip after extended use.

Standard Colors

White

Beige

Gray

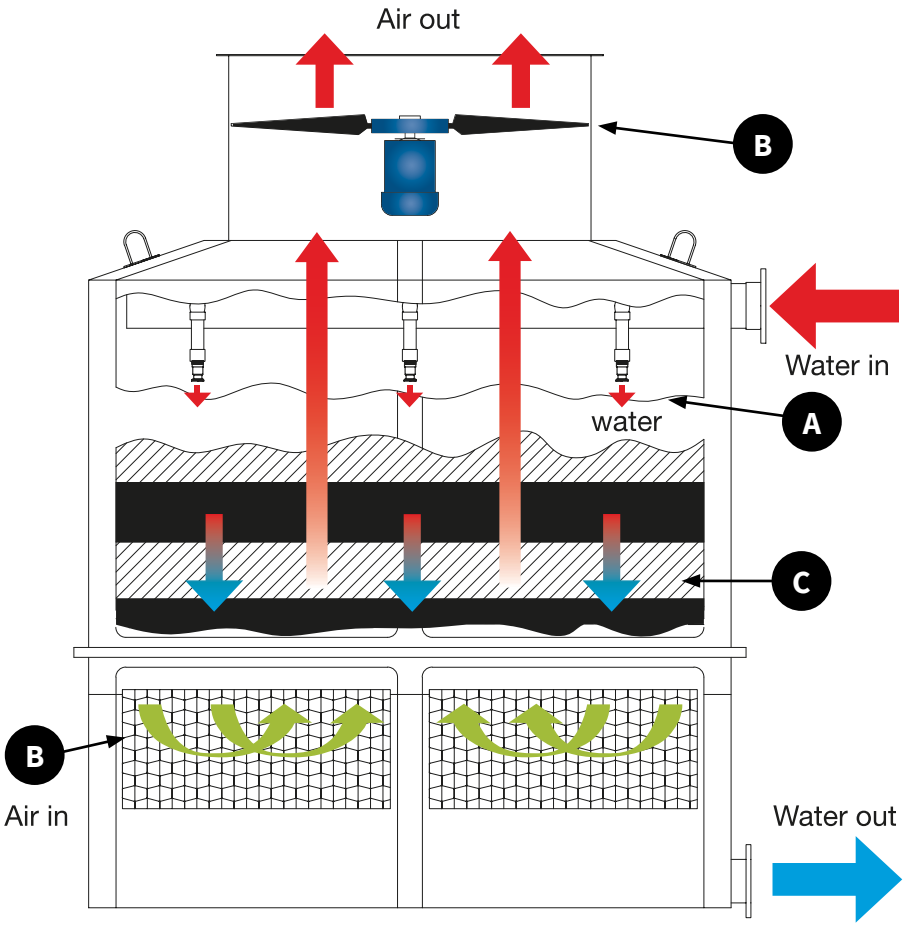
Some optional colors

Colonial Stone

Eden Green

Dark Bronze

PRINCIPLE OF OPERATION



A. Hot water inlet is distributed over the fill media through spray nozzles.

B. Tower fans draw ambient air into the tower, making contact with the water as it travels through the fill.

C. Heat transfer takes place between the water and the air in the fill media, resulting in latent and sensible cooling.

COOLING TOWER
CONSTRUCTION DETAILS

Basic structure of the RT, RTU, RTM, RTP, RTUP and RTPM.

DESCRIPTION

1. Fan duct with motor support
2. Hot water inlet
3. Body
4. Basin
5. Cold water outlet
6. Louvers
7. Access Door
8. Overflow
9. Purge
10. Drain
11. Water Makeup
12. Anchorage holes
13. Fan
14. Motor

Basic structure of the RTG and RTGM models:

DESCRIPTION

1. Fan Deck with motor/gear reducer support
2. Hot water inlet
3. Body
4. Basin
5. Cold water outlet
6. Louvers
7. Access Door
8. Overflow
9. Purge
10. Drain
11. Water Makeup
12. Anchorage holes
13. Fan
14. Gear reducer
15. Motor

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