



60 YEARS



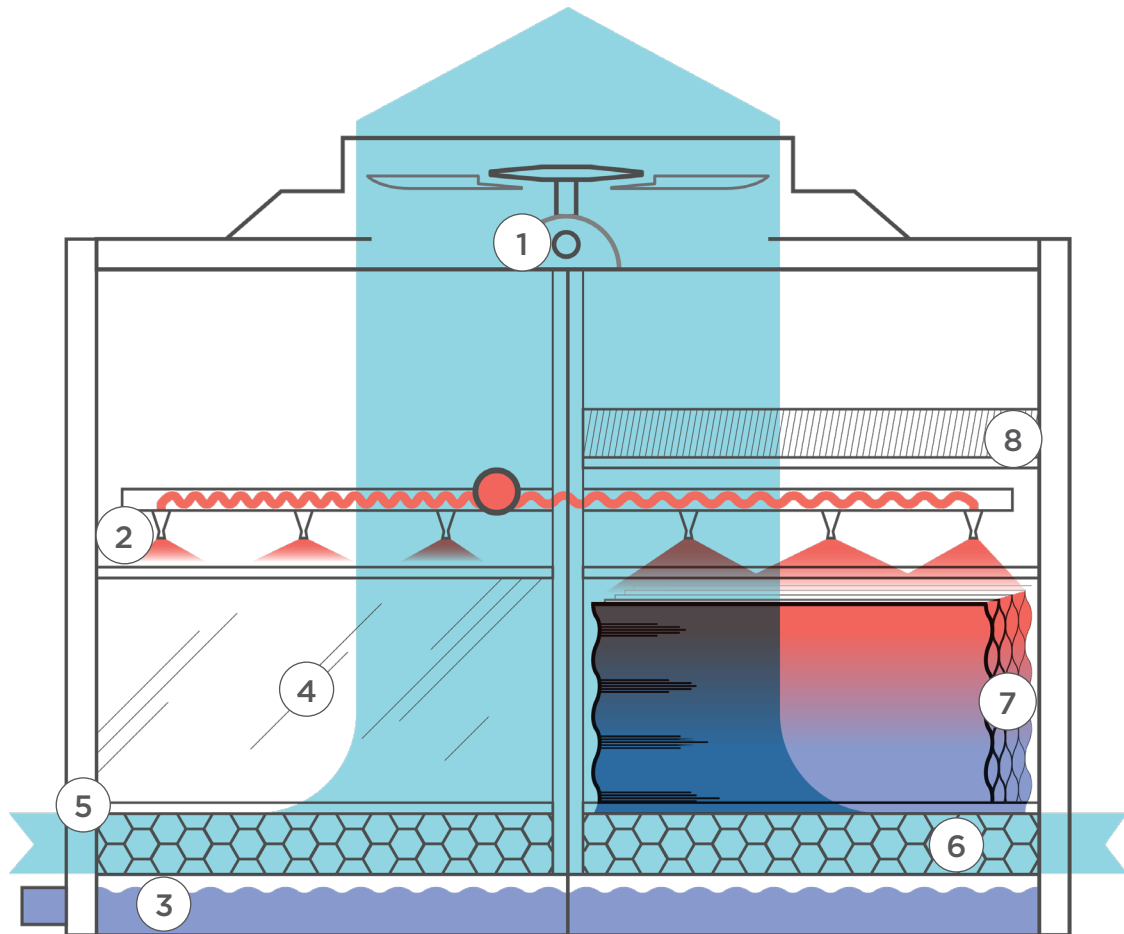
SERIES 2000

**COUNTER-FLOW
COOLING TOWER**

- Capacity: 13 to 381 tons
(38 to 1,142 GPM @ 95°F / 85°F / 78°F)
- Fiber glass structure and walls
- Low-cost installation and operation
- Low sound and vibration level
- Low power consumption per ton
- Low maintenance



More than 5,000 towers installed in México and the world



1 Speed reducer and mechanical equipment support

2 Distribution system

3 Cold-water tray

4 Fiberglass walls

5 Fiberglass structure

6 Air inlet louvers

7 Packing

8 Spray removers



Bajo nivel de sonido y vibración

Axial ventilator with curved-profile, adjustable-angle polyamide resin or aluminum blades for low sound and vibration.

Low shipping cost

The IM® 2000 models are shipped completely assembled. Their design allows the structure to slide downwards so that the tower body may be supported in the interior of the cold-water tray, reducing its height during transport. On-site assembly is quick, as it is easy to hoist the tower to its standard height, thanks to the rails fitted to the columns.



1

Speed reducer

IM® drive system with a speed reducer instead of bands and pulleys, directly connected to the motor by a flexible coupling that guarantees maintenance and adjustment free duration.

Mechanical equipment support

The drive system is mounted and aligned on a unit mechanical equipment support made from immersed galvanized steel or stainless steel to guarantee maximum stability of all moving components.

2

Distribution system

This is made up of a main distribution head with PVC arms at the sides, evenly distributed in order to achieve optimum wetting based on distribution nozzles. The later are located and calibrated according to the flow of process water and that may be interchanged with other sizes of nozzles if the flow is greater.

3

Cold-water tray

Made from fiberglass molded into a single piece ¼" thick, with well rounded corners for easy cleaning. The tray is supported on a galvanized sheet or stainless-steel frame which does not come into contact with process water.

4

Fiberglass walls

Made from fiberglass and supported on extruded beam and columns also made from fiberglass ¼" thick and caulked at both ends with a butyl sealant in order to guarantee a perfect seal against water in the interior of the tower.

5

Fiberglass structure

The entire tower structure is made from extruded fiberglass sheet ¼" thick that is highly resistant to compression and stress. These structural sheets guarantee a corrosion-free operating life.

6

Air inlet louvers

Made from thermo-formed laminar PVC and framed so that it may be removed easily to facilitate maintenance. Installed on the four sides of the tower thereby guaranteeing the flow of air required free of any foreign elements that may possibly affect correct equipment operation.

7

Packing

Packing consists of levels of packets made up of laminate PVC sheets (polyvinyl chloride) 10 millimeters thick, resistant to corrosion and biological attacks and deterioration by fungus and bacteria. PVC packing is flame retardant in accordance to ASTM E 84 standard.

8

Spray removers

Self-supporting, high-efficiency spray removers designed in three stages to guarantee maximum retention of water entrainment. Made from PVC 10 millimeters thick and assembled in self-supporting unit squares and easy removable so as to provide for easy maintenance.

MODEL	NOMINAL CAPACITY			MOTOR HP	DIMENSIONS (Inches)			WEIGHT (LBS.) Approx.	
	Tons	BTU/hr	GPM		A	B	C	Shipping	Operation
IM-FCF-2000-003	13	195,000	38	1	40.75	40.75	103.87*	777.60	1,257.60
IM-FCF-2000-005	15	225,000	45	1	40.75	40.75	115.87*	777.60	1,257.60
IM-FCF-2000-008	16	240,000	47	1	40.75	40.75	125.87*	826.20	1,336.20
IM-FCF-2000-010	23	345,000	69	1	52.25	56.625	112.38*	972.00	1,572.00
IM-FCF-2000-020	30	450,000	90	2	52.25	56.625	112.38*	980.00	1,580.00
IM-FCF-2000-040	35	525,000	104	3	52.25	55.625	124.38*	1,164.00	1,764.00
IM-FCF-2000-063	51	765,000	153	3	67.25	74	119*	1,323.00	1,984.00
IM-FCF-2000-064	59	885,000	176	5	67.25	74	119*	1,323.00	1,984.00
IM-FCF-2000-065	64	960,000	192	5	67.25	74	131*	1,543.00	2,205.00
IM-FCF-2000-090	82	1,230,000	244	5	81.25	91	106.63*	1,764.00	2,756.00
IM-FCF-2000-091	93	1,395,000	279	7.5	81.25	91	106.63*	1,764.00	2,756.00
IM-FCF-2000-092	99	1,485,000	296	7.5	81.25	91	124	1,874.00	3,086.00
IM-FCF-2000-120	110	1,650,000	328	7.5	101	106.75	115	2,535.00	4,519.00
IM-FCF-2000-121	130	1,950,000	390	10	101	106.75	115	2,535.00	4,519.00
IM-FCF-2000-122	133	1,995,000	399	15	101	106.75	115	2,866.00	4,740.00
IM-FCF-2000-123	154	2,310,000	460	15	101	106.75	127	3,086.00	5,180.00
IM-FCF-2000-200	184	2,760,000	552	15	119.06	126	130	4,409.00	6,834.00
IM-FCF-2000-200.5	196	2,940,000	587	15	119.06	126	130	4,409.00	6,834.00
IM-FCF-2000-201	209	3,135,000	627	15	119.06	126	148	4,519.00	6,944.00
IM-FCF-2000-203	229	3,435,000	686	20	119.06	126	148	4,850.00	7,496.00
IM-FCF-2000-240	203	3,045,000	608	15	120.75	130	145	3,827.00	11,698.00
IM-FCF-2000-242	245	3,675,000	733	20	120.75	130	157	4,641.00	14,319.00
IM-FCF-2000-290	277	4,155,000	831	20	150.31	132	158	4,718.00	14,396.00
IM-FCF-2000-291	310	4,650,000	930	25	150.31	132	158	5,849.00	16,138.00
IM-FCF-2000-370	333	4,995,000	998	25	194.44	132	147	5,886.00	16,197.00
IM-FCF-2000-371	354	5,310,000	1062	30	194.44	132	147	6,113.00	16,931.00
IM-FCF-2000-372	381	5,715,000	1142	30	194.44	132	159.75	6,157.00	16,975.00

* Non folding Towers

** Models IM-FCF-2000-003 to IM-FCF-2000-092 do not use a speed reducer since the fan (s) are directly coupled to the electric motor.

Catalog dimensions are for reference applicable to standard Cooling Towers - without accessories. For actual dimensions and weights of the cooling tower purchased, please consult with your Sales Representative before any hiring of transport, loading and unloading vehicles or for the installation conditions after it has been unloaded at your facilities.

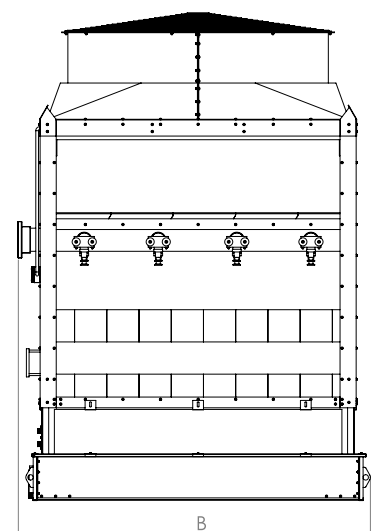
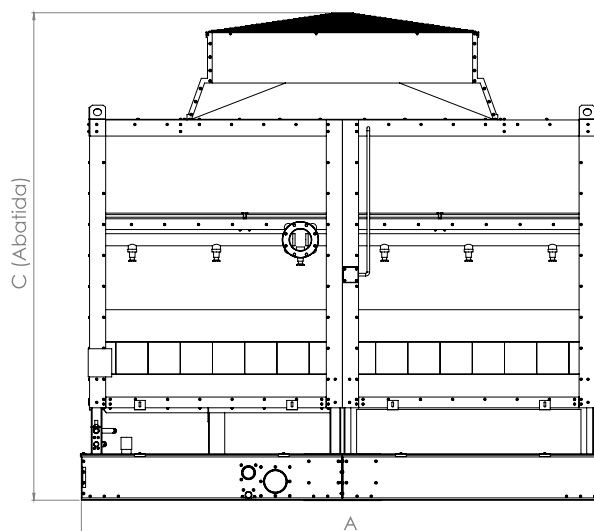
IM SERIE 2000

Nominal Capacity

13 a 381 tons

38 to 1,142 GPM

@ 95°F / 85°F / 78°F



IM Maintenance

A solution for every situation

In Industrial Mexicana we offer the maintenance that your tower requires.

Basic Silver Bullet®

Basic Maintenance involves the installation of a Silver Bullet® equipment defined by the volume of water to be treated in the tower.

Plus Silver Bullet® + Mechanics

Plus Maintenance includes the installation of the Silver Bullet® equipment plus all mechanic maintenance for the tower.

Ultra Silver Bullet + Mechanics + Peripheral Equipment

Ultra Maintenance covers also peripheral equipment, such as loop pumps, boiler, hot water tanks, plate exchangers, among others.



Silver Bullet is a chemical-free water treatment system that prevents bacteria, incrustation of salts and corrosion in your tower, resulting in efficiency and energy savings.



Major repairs

Count with IM to get your tower going again. We make full repairs, from spare parts to mechanic service. Get in contact with our experts.

Spare Parts

We offer a wide variety of spare parts for IM towers and other brands.



In IM we work for you

Design & Innovation

We are involved in continuous research and develop unique solutions for cooling towers. Our efforts are always aimed at efficiency, performance and savings. This determination is what has gotten us so far.

Service & Experience

50 years of experience say it all. We have successfully worked in all industries, and we are capable of solving any situation. Our mission is to produce the best towers and keep them working with efficiency.

Applied Engineering

With the support of the engineering department, we develop turnkey projects, integrating our thermal dissipation equipment to the different equipment or processes owned by the client.

Automation & Energy Saving

Automation is the future and, at IM, we have developed forefront controllers in order for your towers to work in the most efficient way possible all the time, thereby producing energy savings that benefit us all.

Leaders in the industry through innovation



Saving water

Industry currently uses a large quantity of water just for cooling. Cooling towers use the evaporation principle so that water may be recycled, thereby reducing the demand for natural and local water.

IM® cooling towers incorporate major features to reduce waste of water and treatment chemicals, using the most modern material and components to reduce the risk of splashing and water entrainment.



Saving energy

As energy costs continue rising, greater emphasis has been placed on reducing the use of energy in industrial equipment. IM® cooling towers have been designed to achieve a maximum thermal performance capacity by unit, both in terms of saving energy and the use of energy of the recirculation pump, on incorporating the lowest static pumping load on the market.



Long operational life

Cooling towers must operate at their maximum capacity in a wide range of operating conditions, including sudden changes in temperature, a wide variety of water quality, wind and seismic loads. IM® has taken a leading technological position in the chemical treatment of wood, and in the design of robust structures. We utilize high quality materials, engineered to meet critical standards desired by our customers to enable a long-lasting operational life of this equipment.