



60 YEARS



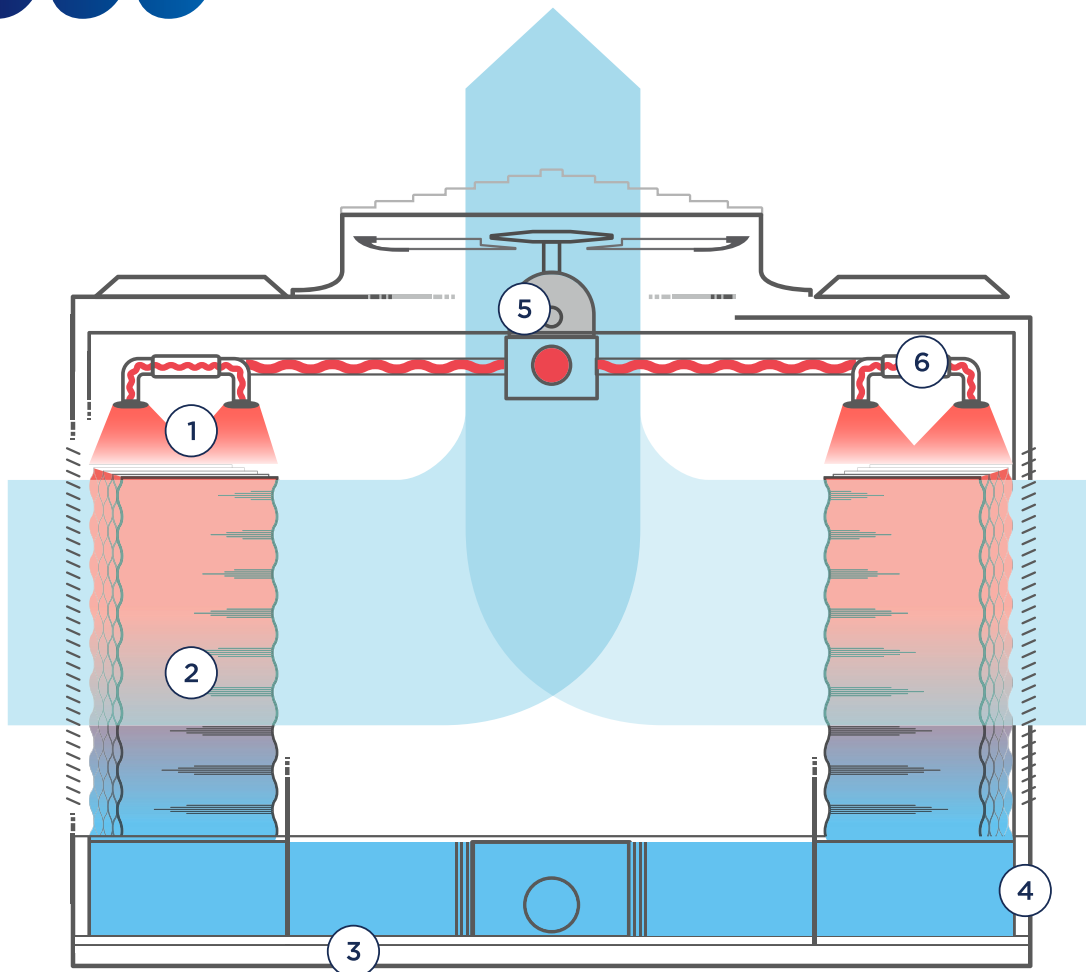
**SERIES 1000**

**INDUCED-DRAFT  
TWIN CROSSED-FLOW  
COOLING TOWER**

- Capacity: 202 to 1,393 tons  
(605 to 4,179 GPM @ 95°F / 85°F / 78°F)
- Available in galvanized, epoxy-coated galvanized for marine environment, and stainless steel
- Low-cost installation and operation
- Low sound and vibration level
- Low power consumption per ton
- Low maintenance

**IM INDUSTRIAL  
MEXICANA**  
Cooling Towers

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



- ① Rotating-turbine nozzles against fixed-orifice stationary nozzles
- ② High-efficiency PVC laminate packing
- ③ Self-supporting frame structure
- ④ Twin wall
- ⑤ Speed reducer  
Protected motor
- ⑥ Bridge joint with mechanical equipment support and hot water distribution system

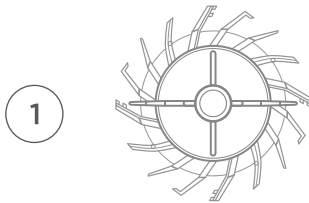
**IM® towers may operate between 20% and 100% of their hydraulic capacity that, within an integral system, may represent a substantial saving in energy.**



#### **Low sound and vibration levels**

The high-efficiency aluminum axial ventilator fitted with flexible and adjustable-angle vanes completely eliminates all resonance frequencies.

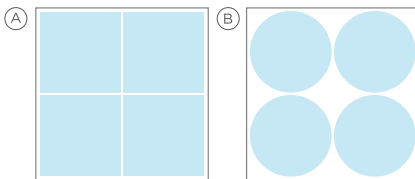
The use of "T-Caps" and FRP ventilation rings with a rounded air inlet increases efficiency and reduces both sound and vibration.



### Rotating-turbine nozzles against fixed-orifice stationary nozzles

A uniform water distribution pattern on the packing load area is a major efficiency factor. The rotating-turbine (A) variable-flow sprinklers used for IM® towers provide a square, constant and uniform distribution pattern, irrespective of the flow of processed water.

Fixed orifice stationary nozzles (B) used in other brands provide uneven, conical dispersion patterns that create dry areas and water overload areas, which may change in response to variations in flow.



### Variable-flow operation

Thanks to its low pressurized-water distribution system (2.3 – 4.5 psi) with rotating-turbine and variable-orifice sprinklers (automatic adjustment of variable flow), the tower may operate at its design hydraulic capacity while retaining the water distribution pattern on the packing.

2

### High-efficiency PVC laminate packing

Supported on the floor, with integrated drip and entrainment removers, which may be replaced without having to disassemble the tower.

3

### Self-supporting frame structure

Included in the Series 1000, need not be mounted on a support beam structure, which represents a saving in installation costs.

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### Twin wall

The interior flat wall in the packing area reduces “loss through the wall”, thereby increasing tower efficiency.

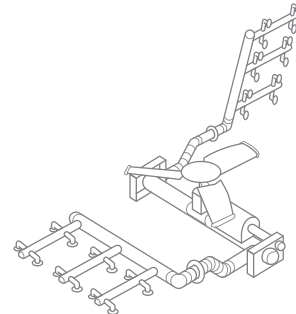
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### Speed reducer

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.

### Protected motor

High-efficiency TEFC electric motor operating in a dry-environment FRP compartment, which extends its operating life and reduces noise level.



6

### Bridge joint with mechanical equipment support and hot water distribution system

The tower requires one hot water inlet only, which allows the connection of a number of towers without any additional flow regulations valves, thereby reducing installation costs.

The volume of water in the torque tube reduces the noise propagation of mechanical equipment to the tower's structure and, therefore, to the building.

The multiple sprinklers of the water distribution system (PVC) may be rotated 90° or disassembled easily from the tower in order to facilitate maintenance.

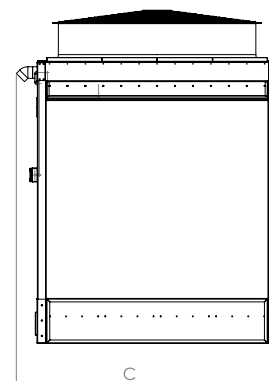
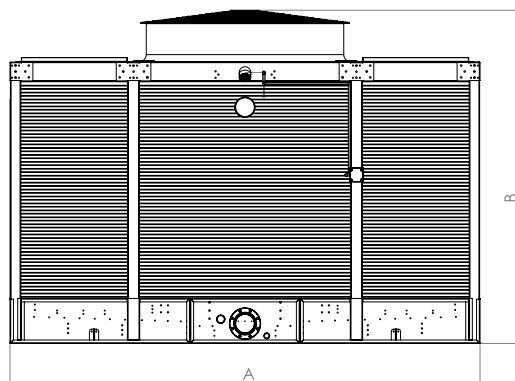
MODEL	NOMINAL CAPACITY			MOTOR HP	DIMENSIONS (Inches)			WEIGHT (LBS.) Approx.	
	Tons	BTU/hr	GPM		A	B	C	Shipping	Operation
ODX-1000-0241-X-H	202	3,030,000	605	7.5	203	113	145	7,012.84	10,938.90
ODX-1000-0266-X-H	224	3,360,000	672	10	203	113	145	7,096.04	11,022.10
ODX-1000-0301-X-S	259	3,885,000	778	15	203	113	145	7,117.35	11,043.41
ODX-1000-0330-X-S	285	4,275,000	855	20	203	113	145	7,150.89	11,076.95
ODX-1000-0294-X-H	252	3,780,000	755	10	219.75	125	148	7,570.74	12,291.08
ODX-1000-0340-X-H	294	4,410,000	882	15	219.75	125	148	7,653.05	12,373.39
ODX-1000-0375-X-S	328	4,920,000	985	20	219.75	125	148	7,794.19	12,514.53
ODX-1000-0400-X-S	356	5,340,000	1,067	25	219.75	125	148	7,999.15	12,719.49
ODX-1000-0413-X-S	358	5,370,000	1,075	20	232	232	148	8,727.23	14,360.57
ODX-1000-0440-X-S	391	5,865,000	1,172	25	232	232	148	8,932.19	14,565.53
ODX-1000-0354-X-H	297	4,455,000	890	10	280	280	148	10,256.40	17,161.40
ODX-1000-0405-X-H	351	5,265,000	1,054	15	280	280	148	10,446.31	17,351.31
ODX-1000-0447-X-H	394	5,910,000	1,183	20	280	280	148	10,479.85	17,384.85
ODX-1000-0480-X-S	431	6,465,000	1,292	25	280	280	148	10,684.81	17,589.81
ODX-1000-0507-X-S	461	6,915,000	1,382	30	280	280	148	10,739.81	17,644.81
ODX-1000-0459-X-H	382	5,730,000	1,147	15	292	292	150	11,885.47	20,415.34
ODX-1000-0506-X-H	432	6,480,000	1,295	20	292	292	150	11,919.01	20,448.88
ODX-1000-0549-X-H	474	7,110,000	1,422	25	292	292	150	12,118.89	20,648.76
ODX-1000-0583-X-S	510	7,650,000	1,531	30	292	292	150	12,098.68	20,628.55
ODX-1000-0585-X-H	513	7,695,000	1,540	25	292	292	163	12,418.26	20,968.85
ODX-1000-0625-X-S	552	8,280,000	1,657	30	292	292	163	12,498.83	21,049.42
ODX-1000-0682-X-S	622	9,330,000	1,865	40	295	295	163	12,834.38	21,535.45
ODX-1000-0705-X-S	665	9,975,000	1,995	50	295	295	163	12,887.34	21,588.41
ODX-1000-0727-X-S*	681	10,215,000	2,044	40	294	294	206	14,753.93	22,930.16
ODX-1000-0790-X-S*	726	10,890,000	2,178	50	294	294	206	14,799.93	22,976.16
ODX-1000-0833-X-S*	774	11,610,000	2,321	60	294	294	206	14,973.31	22,968.96
ODX-1000-0875-X-S*	788	11,820,000	2,364	75	294	294	206	15,039.31	23,034.96
ODX-1000-0808-X-S*	736	11,040,000	2,208	40	294	294	206	15,597.30	24,762.93
ODX-1000-0852-X-S*	798	11,970,000	2,395	50	294	294	206	15,643.30	24,808.93
ODX-1000-0880-X-S*	853	12,795,000	2,558	60	294	294	206	15,816.68	24,982.31
ODX-1000-0955-X-S*	909	13,635,000	2,726	75	294	294	206	16,090.23	25,075.28
ODX-1000-0885-X-H*	838	12,570,000	2,515	40	294	294	227	17,399.60	26,496.61
ODX-1000-0937-X-S*	908	13,620,000	2,725	50	294	294	227	17,451.14	26,548.15
ODX-1000-0990-X-S*	967	14,505,000	2,902	60	294	294	227	17,625.01	26,722.02
ODX-1000-1070-X-S*	1,042	15,630,000	3,125	75	294	294	227	17,896.72	26,993.73
ODX-1000-1250-X-S*	1,171	17,565,000	3,512	60	318	318	284.5	21,327.29	32,478.39
ODX-1000-1348-X-S*	1,263	18,945,000	3,790	75	318	318	284.5	21,395.85	32,546.95
ODX-1000-1465-X-S*	1,393	20,895,000	4,179	100	318	318	284.5	21,756.52	32,907.62

### IM SERIES 1000

Nominal capacity  
605 to 4,179 GPM @  
95°F / 85°F / 78°F

\* Cooling towers shipped unassembled

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.



For further information,  
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[info@industrialmexicana.com](mailto:info@industrialmexicana.com)

[www.industrialmexicana.com](http://www.industrialmexicana.com)



## IM Maintenance

# ***A solution for every situation***

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

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### **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.

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### **Plus** Silver Bullet® + Mechanics

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

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### **Ultra** Silver Bullet + Mechanics + Peripheral Equipment

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

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*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.