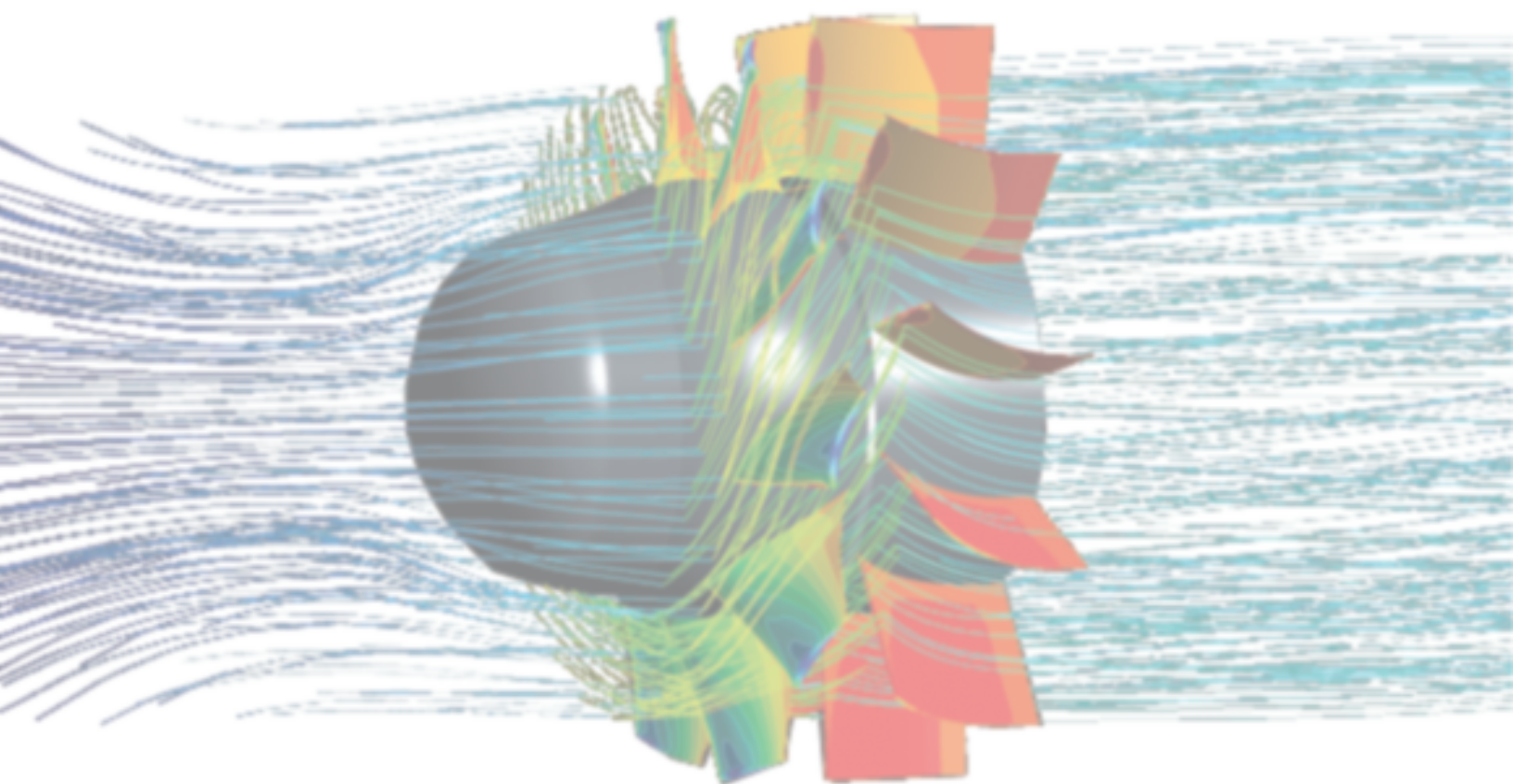




## IP55 & Salt Fog Testing



 **STAY COOL**

800.580.6688  
[WWW.JMCPRODUCTS.COM](http://WWW.JMCPRODUCTS.COM)



JMC Products offers its customers a line of fans engineered to operate in environments that would be detrimental to a normal DC fan. The industry standard for measuring a fans' durability in such situations is the IP Code, which is published by the International Electrotechnical Commission. JMC also builds fans specifically designed to pass salt fog testing.

### JMC produces fans capable of meeting the IP55 standard, as follows:

**First Digit: IP55 (Solids)** – This indicates that the JMC fan is protected against dust. The components of the fan are protected so that they will not allow ingress of dust sufficient to cause a deterioration of the fans performance or a degradation of the fans expected life.

**Second Digit: IP55 (Liquids)** – This indicates that the JMC fan is designed and manufactured so it can withstand lower pressure streams of water. In the presence of these conditions, the water will have no harmful effect on the fan and it will continue to operate to its stated specifications.

Below is an IP Rating Table outlining the various protection level designation changes for solids and liquids.

### IP Rating Table

	SOLIDS (1st number)		LIQUIDS (2nd number)
0	No protection	0	No protection
1	Protected against objects > 50mm (hands)	1	Protection against dripping water or condensation
2	Protected against objects > 12mm (fingers)	2	Protection against water spray 15 degree from vertical
3	Protected against objects > 2.5mm (tools/wires)	3	Protection against water spray 60 degree from vertical
4	Protected against objects > 1mm (small tools)	4	Protection against water spray from all directions
5	Protected against dust, limited ingress	5	Protection against low pressure jets of water
6	Totally protected against dust	6	Protected against high pressure water jets and heavy seas
7	N/A	7	Protection against the effects of immersion (6 inches to 3.3 feet)
8	N/A	8	Protected against immersion



Many fan components must be coated, using different coating processes, in order to achieve the IP55 standard. JMC's expertise in the coating and protection process has allowed us to engineer a fan that will consistently meet IP55 standards. These JMC IP55 fans will operate dependably and consistently in corrosive or non-standard environments.



JMC Products offers **IP55 Fans** in the following models:

-70x15

-70x25

-80x25

-60x38

-120x38 Fixed Vane

-97x33 Blower

In addition to the IP55 models, we also offer the following IP54 models:

-40x20

-50x15

-60x25

Here at JMC products, we provide ***durable, reliable, and quality*** products – even for the harshest operating conditions.

## What to know about Salt Fog Testing:

**Salt Fog Testing** is an additional way in which to evaluate a fan's durability and reliability in harsh conditions. The environment of a salt fog chamber is extremely severe and rapidly stresses the various fan components.



### Some highlights of Salt Fog Testing are:

- The fan is placed in a fog chamber for a specific period of time. The corrosive fog essentially speeds up the aging and weathering process of the fan.
- The composition of the corrosive fog and the duration of the test may vary depending on the test objectives.
- After testing, the fan is inspected to determine what – if any – damage occurred to the components and the protective coating used.

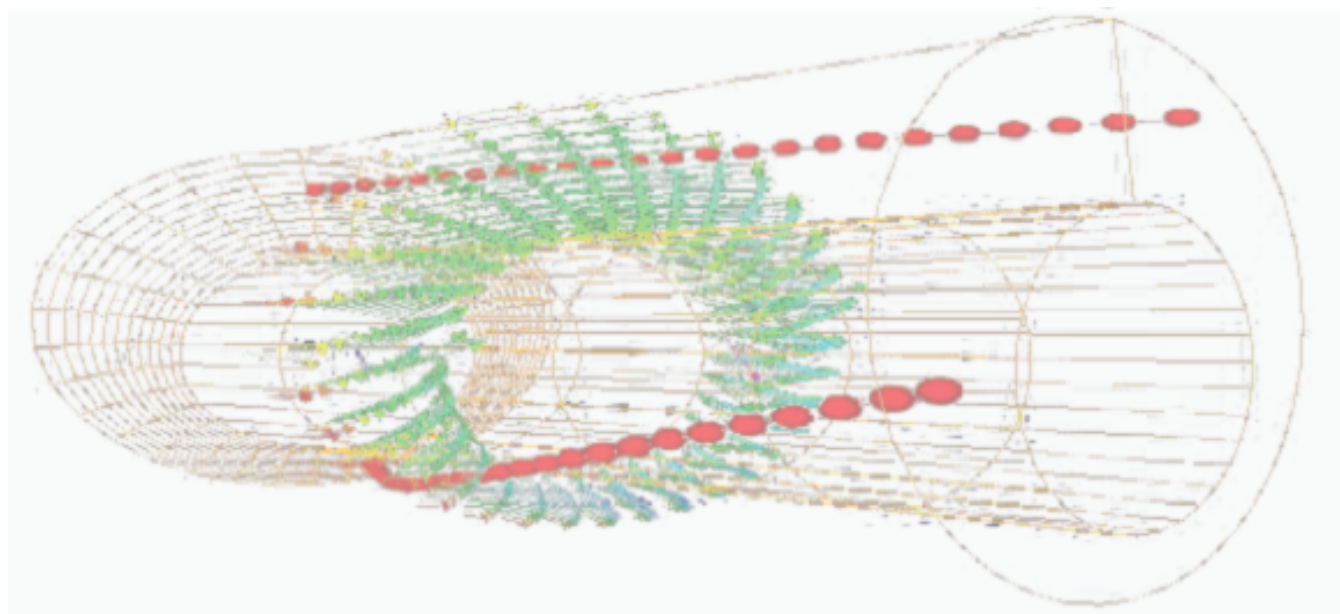
JMC Salt Fog Fans are proven to be reliable even in extremely harsh weather or environmental conditions.





Contact JMC Products for all your  
thermal solution needs!

Call **800.580.6688** or email  
**[sales@jmcproducts.com](mailto:sales@jmcproducts.com)**



### About JMC Products

JMC is a thermal solutions provider with headquarters located in the beautiful city of Austin, Texas. Application development and customer support reside in the Austin headquarters, while manufacturing occurs at JMC's Dong Guan, China 60,000 square ft. facility. In addition, JMC has application centers in Europe and Taiwan. JMC sells its products to major Original Equipment Manufacturers (OEM) in Europe, Asia and the Americas. JMC focuses on developing and innovating high performance, reliable air-moving devices that are utilized in consumer electronics, personal computers, networking, storage and server applications. Our exceptional products and customer support ensure our customers always *STAY COOL*.



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