Multi-Purpose Fog Chamber

by Auto Technology Company

Not Just a Salt Fog !

Features

1. A "show piece" for any lab.
2. Non Corrosive FIBERGLASS Construction.
3. 35 gallon solution holding Tank.
4. Four sizes 20, 30, 40 & 90 cubic feet.
5. Transparent cover for easy sample viewing.
6. Low Profile Design for ease of chamber loading.
7. Instinctive controls for ease of operation.
8. Front access to all chamber components.
9. 800 number for customer service and support.

Leading the market in corrosion testing technology!

Versatility and Repeatability

For over 50 years, the Auto Technology Company heritage has been offering the CHAMBER OF CHOICE for Fortune 500 companies around the world. The Harshaw chamber heritage, coupled with today's state of the art technology, has led the way in creating a unique corrosion chamber line.

The MPF (Multi-Purpose Fog) chamber is the result of years of environmental test chamber manufacturing experience. Designed to be much more than just a Salt Fog chamber, the MPF can perform CASS, Acetic Acid, Humidity and more.

The transparent cover offers quick and easy viewing of the sample under test without letting the corrosive environment escape the chamber.

Microprocessor based temperature controllers provide this instrument with simple accurate operation. An optional cyclic control feature provides the flexibility of a simple cyclic chamber with the "ease of use" Auto Technology Company customers have grown accustom to.

Comprehensive options list including:

Optional cycling control Package.

Optional solution spray

Data Recording computer software.

Multiple recorder options.

Mixing tank option, both manual and automatic.

Certificate of Calibration available traceable to N.I.S.T.



Multi-Purpose Fog Chamber

Not just a Salt Fog (Spray) The MPF chamber is capable of meeting a variety of corrosion specifications.

- ASTM B117, (Salt Fog)
- ASTM B368, (CASS)
- ASTM D1735, (Humidity)
- ASTM G85 A5, (Prohesion[tm])
- Automotive
- Industrial
- Military
- International
- and much more……..

Chamber Statistics / Requirements

Temperature: Ambient to 55 °C (131 °F)

Humidity: 95 to 100% During High Humidity

Chamber Size

Model No:	MPF-20	MPF-30	MPF-40	MPF-90
Internal * Capacity	565 ltr. 20 cu.ft.	850 ltr. 30 cu.ft.	1130 ltr. 40 cu.ft.	2548 ltr. 90 cu.ft.
Test Space * Testing Plane	.94 square meter 10.1 square feet	1.40 square meter 15.1 square feet	1.74 square meter 18.7 square feet	2.21 square meter 23.7 square feet
Internal * Dimension	1270 mm L (50") 737 mm W (29") 635 mm H (25")	1905 mm L (75") 737 mm W (29") 635 mm H (25")	1905 mm L (75") 914 mm W (36") 635 mm H (25")	1930 mm L (76") 1143 mm W (45") 1155 mm H (45.5")
Total Chamber Volume	982.5 ltr. 34.7 cu.ft.	1,472.5 ltr. 52.0 cu.ft.	1,925.5 ltr. 68.1 cu.ft.	3,822 ltr. 135 cu.ft.
External Dim.	1930 mm L (76") 889 mm W (35") 1422 mm H (56")	2565 mm L (101") 889 mm W (35") 1422 mm H (56")	2565 mm L (101") 1118 mm W (44") 1422 mm H (56")	2692 mm L (106") 1321 mm W (52") 2159 mm H (85")
Floor Space Required	2032 mm L (80") 2057 mm W (81")	2667 mm L (105") 2057 mm W (81")	2667 mm L (105") 2286 mm W (90")	2794 mm L (110") 2540 mm W (100")
Sol. Reservoir	132 ltr. / 35 gal.	132 ltr. / 35 gal.	132 ltr. / 35 gal.	132 ltr. / 35 gal.

* The inside dimensions, capacities, and space given here are "available testing space". They do not include space below the false floor where the heaters are located or the cover volume.

Sample Capacity:

	MPF-20	MPF-30	MPF-40	MPF-90
4" x 12" panels	160	240	360	390
3" x 6" panels	190	280	380	416

Solution Consumption:

MPF-20 approx. 10 gallons per day for D.I. water and salt solution*
MPF-30, 40 & 90 approx. 15 gallons per day for D.I. water and salt solution*
* usage increases with cyclic testing

Air Consumption: approx. 3.5 CFM, must be a constant 25-50 P.S.I. supply of clean dry air or the machine will not run properly.

D.I. Requirement: ASTM D1193 Type 4 water ONLY, must be a constant 25 - 90 P.S.I. supply of clean water or the machine will not run properly.

Venting: 4.5" Diameter (114mm) (Vent can be reduced by the customer to 2")

Drain: ¾" (19 mm) pipe drainthat must be free flowing and open at all times.

Voltage & Phase: 208-230 volt, 1 or 3 phase, 60/50 hz.
40 - 125 amps (depending on chamber size & options)
480 volt 3 phase available as an option at an additional cost.

Delivery: 6-10 weeks - after receipt of confirmed order and down payment. Estimates are based on Auto Technology Company's current production schedule at the time of the order. Delivery time could be prior to the 6-10 weeks, or longer than the 6-10 weeks depending on production at the time of the confirmed order. (Down payment and credit approval required)

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