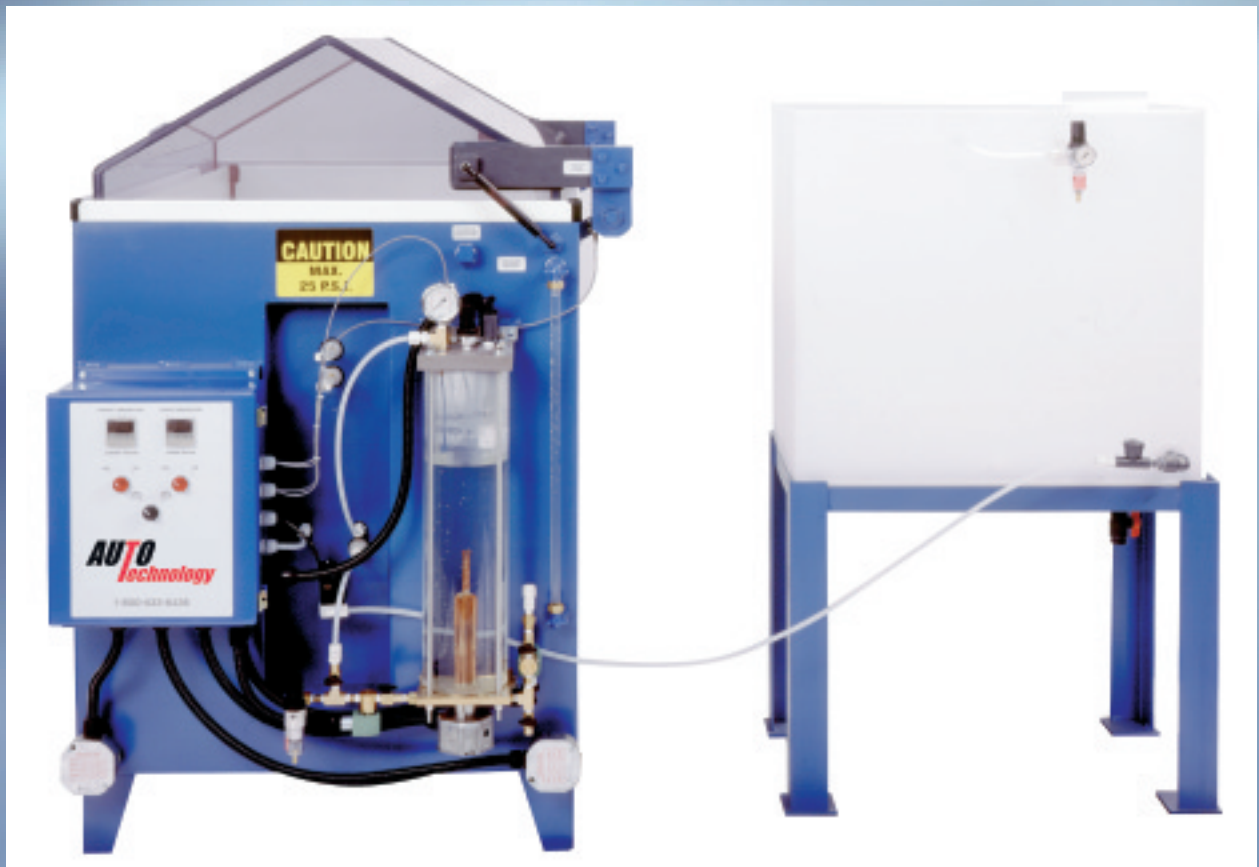


AUTO TECHNOLOGY ENVIRONMENTAL TEST CHAMBERS



AUTO
Technology

Auto Technology Company Environmental Test Chambers deliver accuracy, efficiency and value.

For accurate, reproducible test results, Auto Technology offers a complete selection of environmental test chambers designed to meet over 40 major ASTM, automotive, military and commercial specifications for salt fog, humidity and corrosive gas tests. All chambers are designed to withstand the corrosive environments they produce. New designs and modifications are performance-tested under actual test conditions by our research and development laboratory.

COVER

The smoke-grey PVC cover meets ASTM specifications for a peaked configuration which prevents condensate from dripping on test specimens. The welded construction is far superior to other glued designs in durability and appearance. Pneumatic cover lifters are standard on chambers 68 cu. ft. and under. Chambers over 68 cu. ft. are equipped with air operated cover lifters.



55 GALLON SOLUTION RESERVOIR

Separate 55 gallon reservoir enables longer, uninterrupted testing.

PRESSURE GAUGE

Air pressure is an important factor in producing correct collection rates. For that reason, we provide only

CERTIFIED pressure gauges. The accuracy of +/-1% of span is unequalled by others. These gauges can be recalibrated to allow you to maintain that accuracy for a long time.

JET EXHAUST AND WET BOTTOM DRAIN ASSEMBLY (optional)

In areas where it is not convenient to fog to the outside, a Jet Exhaust and Wet Bottom Drain option is available. By simply attaching this unit to the cabinet exhaust and drain, fog can be flushed with city water to any open drain.

A Jet Exhaust Recirculation System (not shown) is available to minimize water consumption.



HEATER PROTECTION SYSTEMS

All heaters have integral over-temperature sensors. No add-on electronic devices are used which can fail or be disabled. The Humidifying Tower Heater also includes a Low-Water Cut-Off Protection device which automatically turns the heater off in the event of a dry condition. These safety features are provided as standard equipment on all chambers.

TEMPERATURE CONTROLS

Chamber temperature and humidifying tower temperature are controlled by separate digital temperature controllers so reliable they're warranted for two (2) years. Accuracy is certified to +/-1 degree F. Illuminated on/off selector switches and a wet or dry bulb cabinet temperature display switch are mounted on the front of the NEMA 12 enclosure.

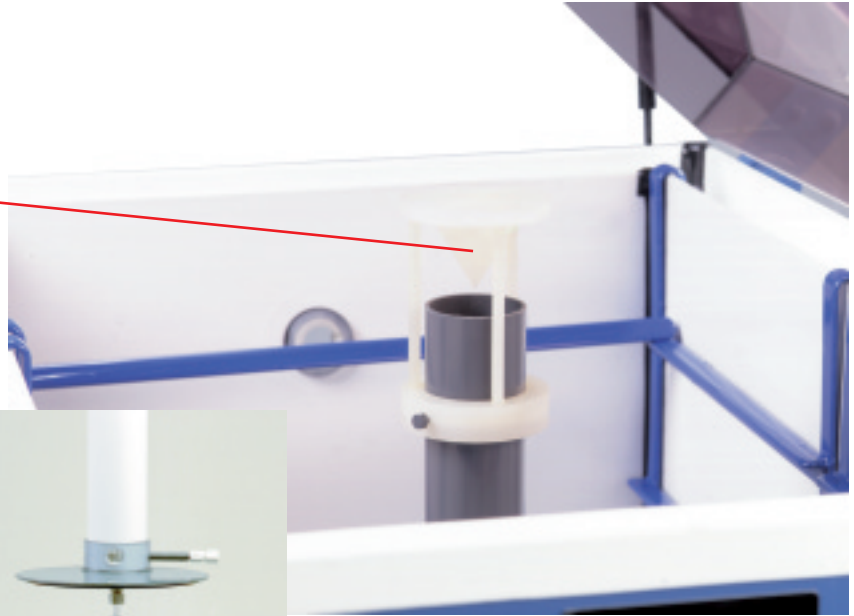
CYCLING CONTROL PACKAGE (optional)

An optional microprocessor-based programmable controller is available which can cycle salt fog, air purge and soak conditions. Operate up to 250 cycles automatically. Software is also available for operation from a personal computer.



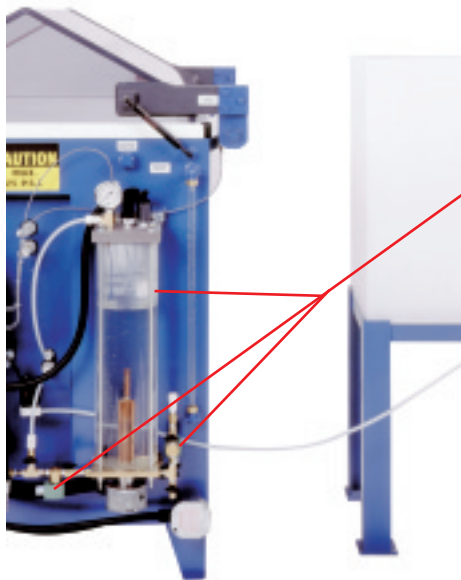
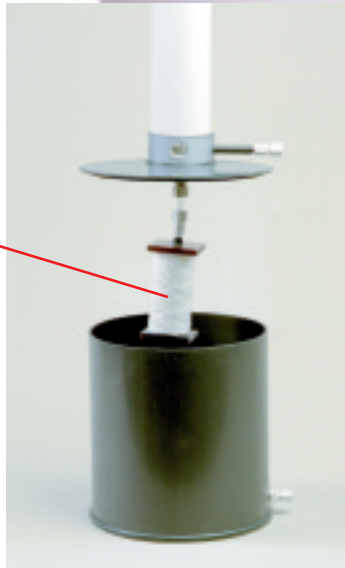
UNIFOG DISPERSION TOWER

Our Unifog Dispersion Tower is designed to provide uniform mist throughout the chamber. An adjustable cone located at the top not only baffles the fog evenly throughout the chamber, but can be raised or lowered to direct the fog in a manner which meets your testing requirements. Large droplets are deflected off the cone back into the reservoir in conjunction with ASTM specifications.



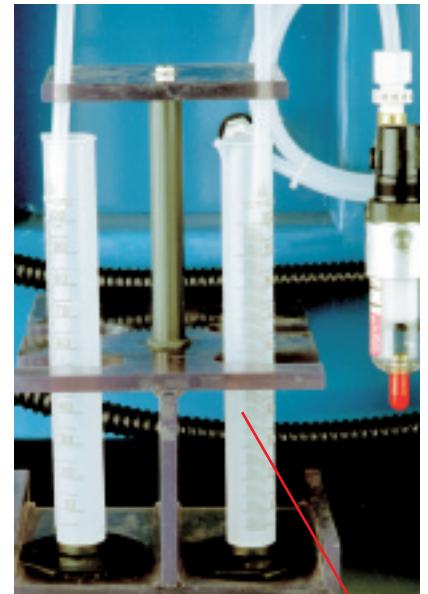
FILTER ASSEMBLY

A completely submerged filter cartridge located in the reservoir of the dispersion tower traps any undissolved salt prior to atomization, reducing the risk of clogging the atomizer nozzle and interrupting the test.



AUTO-FILL SYSTEM

Our AUTO-Fill system provides for longer unattended testing than previously available with Auto Technology or currently offered by competitors. It includes a 55 gallon mix and storage tank along with the necessary float switches and solenoids to automatically fill the bubble tower and dispersion tower. This feature saves time in operation as well as money during maintenance.

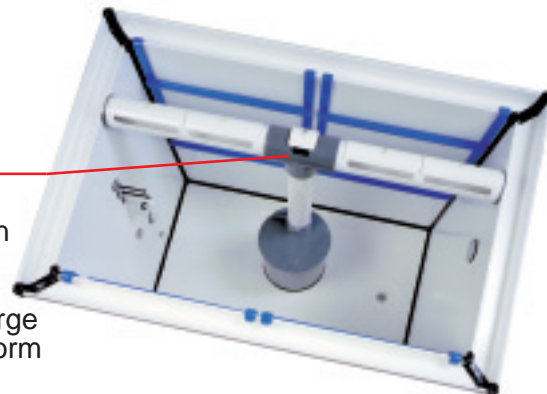


EXTERNAL CONDENSATE COLLECTION PACKAGE (optional)

Interior-mounted collector funnels piped to exterior-mounted graduated cylinders offer an efficient method to monitor collection rates, check pH or other solution requirements without opening the chamber. Samples are not exposed to temperature changes due to opening the chamber.

HORIZONTAL DISPERSION TUBES (optional)

Optimize interior space by utilizing our horizontal dispersion tube design. Adjustable baffles over each slot direct the fog forward in an even pattern. Test large samples without sacrificing uniform collection rates.



Auto Technology Test Chambers perform these major automotive, governmental, multi-gas and ASTM tests.

Salt Fog (Fog) Tests

Cyclic Salt Spray (Fog) Tests

Condensing Humidity Tests

Non-Condensing Humidity Tests

Acetic Acid Salt Spray (Fog) Tests

Copper Accelerated Acetic Acid (CASS) Tests

Salt Fog / SO₂ Tests

Multi-Gas Tests

Salt Solution Spray Tests

Water Immersion Tests

Fungus Tests

NOTE: Not all chambers perform all tests.

Standard Salt-Fog Chamber Specifications

	Model 15	Model 21	Model 22	Model 23	Model 24	Model 410
Capacity	15 cu. ft.	20 cu. ft.	30 cu. ft.	68 cu. ft.	100 cu. ft.	130 cu. ft.
ID	22" x 30" x 39"	29" x 30" x 39"	45" x 30" x 39"	72" x 42" x 39"	93" x 48" x 39"	120" x 48" x 39"
OD	37" x 42" x 60"	48" x 42" x 60"	64" x 42" x 60"	96" x 54" x 63"	118" x 60" x 63"	150" x 60" x 63"



Multi-Gas Test Chamber

Cyclic Corrosion Chamber



Walk-In Salt Fog Chamber

Put us to the test!

Find out why Auto Technology is the best-selling brand of test chambers throughout the United States. Talk with us about your special needs.

Call or write: Auto Technology Company, 20026 Progress Drive,
Strongsville, Ohio 44149,

Phone (440) 572-7800 or 1-800-433-8336, Fax: (440) 572-7820.

Visit us on the web at www.autotechnology.net

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