

FOAMING TEST APPARATUS

ASTM D 892 - IP 146 - ISO 6247

The apparatus consists of a frame supporting one or two Pyrex jars and a control box with all the electronics. Thanks to the use of mass flow controllers, it's now possible to easily and automatically measure out the correct amount of air to be blown into the samples. Models AD0892-500 and -510 have a series of knobs and displays to adjust the flow while model AD0892-520 is equipped with a Panel PC with touch screen interface that permits also sequencing the various phases of the test with buzzers alerting the user and screen messages to inform the user about the action required.



AD0892-510

- Powder-coated steel frame supporting one (AD0892-500) or two Pyrex jars (models -510 and 520).
- Anodized aluminum jar covers, each with two holes for the graduate test cylinders: locking clamps to hold the cylinders in position and thermometer jacket for ASTM 12C thermometer.
- One set of rubber stoppers with air tubes (inlet and outlet).
- Electric bath stirrer with shaft and propeller, stainless steel.
- Stainless steel heaters.
- Coils for both air circulation and connection to a chiller in case tap water temperature exceeds 20°C.
- Electronic mass flow controllers with 0-115 ml/min scale and 0.1% F.S. precision, two in AD0892-500 and four in -510 and -520.
- Model AD0892-500 and -510 come with a traditional aluminium control panel with switches to start flow and a knob plus a display to adjust it: a timer permits to stop blowing automatically after 5 min (selectable).
- Model AD0892-520 is equipped with an 8.4" Panel PC that allows sequencing of the entire test procedure: messages on the screen and buzzers guide the operator through the analysis. Calibration, diagnostic and data storage routines.
- Temperature measuring elements: PT100 RTD. Operating range: from ambient to 100°C with +/- 0.1°C accuracy.
- One Ethernet, two USB and one serial port on model AD0892-520.
- Safety transparent shield surrounding 93.5°C bath.
- Safety devices against overheating and low level.
- Easy access control box that can be removed in case of malfunction for easy transportation.
- English written user's guide and installation instructions.
- For 220V / 50Hz connections. Power consumption 1800 W (AD0892-500 and 2500 W (-510 and -520)
- Dimensions (l x w x h): mm 550 x 460 x 720 mm, 30 kg (AD-0892-500) mm 1050 x 460 x 720, kg 55 (AD0892-510 and -520)
- CE marked.

AD0892-500	Apparatus, single-unit
AD0892-510	Apparatus, twin-unit
AD0892-520	Apparatus, twin-unit with touch-screen interface

ACCESSORIES

AD0892-A20	Electronic air volume counter (replaces wet test meter)
AD0892-A21	Certificate for the volume counter
AD0892-A10	Air pump
AD0892-A03	Glass drying tower
CAL001	PT100 simulator
CAL003	Official Certificate for Pt100 simulator

CONSUMABLES

AD0892-C00	Graduate pyrex glass cylinder
AD0892-C01	Rubber stopper with air inlet and outlet
AD0892-C02	Norton certified spherical Alundum gas diffuser stone
AD0892-C03	Mott certified stainless steel cylindrical gas diffuser
TA012C-N00	ASTM 12C thermometer (-20°C/+102°C)



AD0892-520

Specifications may vary without notice.

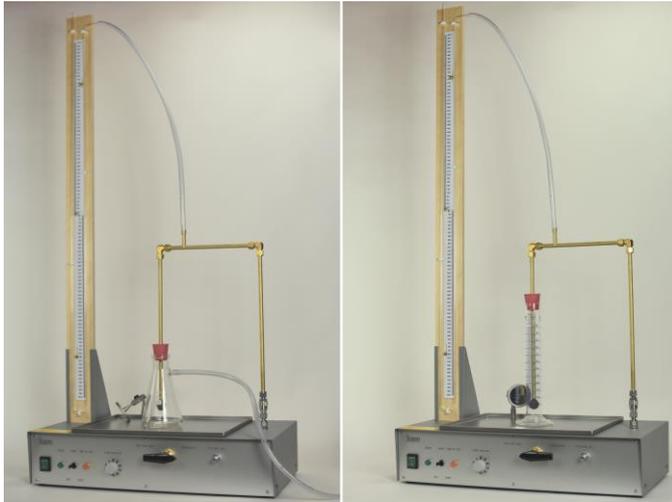
The apparatus is supplied bare without glassware (if any), accessories and consumables.



Dott. Gianni Scavini & C.
Via Donne della Resistenza, 26 - 28831 Baveno (VB) Italy
Tel. +39-0323-924134 Fax +39-0323-924935
www.scavini.com

DIFFUSER CALIBRATION APPARATUS ASTM D 892 - D 6082

The apparatus consists of a benchtop frame supporting the 1000 mm U-tube manometer, a regulating valve, 1 m of 8 mm inside diameter brass tubing, a 250 ml cylinder and a 500 ml filtering flask with rubber stopper and outlet tube. The apparatus can be used to check both cylindrical (Mott) and spherical (Norton) diffusers for maximum pore diameter and permeability.



- Enamel finished benchtop frame.
- Maximum pore diameter determination assembly consisting in a electrically powered piston that permits to raise the pressure at the prescribed rate of 50 Pa/min inside the diffuser when immersed in water or propan-2-ol. This device has been adopted since it is practically impossible to control the correct increase of pressure with a valve (50 mm of water column/min is a very small increase).
- One precision regulating valve for the permeability test. It permits to regulate the air pressure at 250 Pa in the diffuser circuit when the diffuser is connected to the wet test meter.
- One 1000 ml U-tube manometer mounted on a wooden support with adjustable mm scale.
- One 250 ml graduate cylinder.
- One 500 ml filtering flask with rubber stopper and air outlet tube . Hose connector for connection to the wet test meter.
- English written user manual.
- CE marked.
- For 220V / 50Hz connection. Power consumption: 100 W approx.
- Dimensions (l x w x h): 500 x 300 x 1200 mm approx. Weight: 10 kg approx.
- Wet test meter not included.

AD0892-300 Apparatus

ACCESSORIES

AD0892-A20 Electronic air volume counter (replaces wet test meter)
AD0892-A21 Certificate for the volume counter

CONSUMABLES

AD0892-C61 250 ml graduate cylinder
AD0892-C62 250 ml filtering flask

Specifications may vary without notice.

The apparatus is supplied bare without glassware, diffusers, accessories and consumables.



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