

APPARATUS FOR THE DETERMINATION OF OXIDATION CHARACTERISTICS OF INHIBITED MINERAL OILS ASTM D 943 - IP 157 - ISO 4263, 12205

The apparatus consists of a benchtop steel case containing an aluminium thermostatic block with a series of jackets for the introduction of the oxidation cells and a water dispenser for the condenser refrigeration: oxygen flow is adjusted by means of mass flow controllers with digital display and knob.



Four-place unit

- Enamel finished benchtop steel case.
- Aluminium block bath with wells for test tubes, 48 mm diameter and 365 mm depth.
- Stainless steel electric heaters.
- Microprocessor thermoregulator with built-in temperature display, 0.1°C accuracy. Probe: PT100 RTD. Regulation accuracy $\pm 0.1^\circ\text{C}$. Working range: from ambient to 150 °C.
- Safety device against overheating.
- Easy access control box containing all the electronics and electrical parts. Aluminium control panel with english written indications.
- Oxygen inlet manifold with high precision mass flow controllers, 0-4 l/h with digital display and knob for flow adjustment at 3 ± 0.05 l/h.
- Water inlet manifold with valve connections for the mushroom condensers.
- Water outlet manifold.
- n° 1 thermometer jacket.
- English written user manual. CE marked.
- For connection to 220V - 50/60Hz. Power consumption 1800 W (4 and 8-position units), 2500 W (12-position unit).
- Four, eight and twelve-place units available. Six-place unit on request.
- Versions with 8.4" touch-screen interface also available: the software permits to record temperature and flow during the test.

AD0943-204	Four-place unit. Dimensions (l x w x h): 700 x 600 x 1000 mm. Weight: 90 kg
AD0943-208	Eight-place unit. Dimensions (l x w x h): 850 x 700 x 1000 mm. Weight: 130 kg
AD0943-212	Twelve-place unit. Dimensions (l x w x h): 110 x 700 x 1000 mm. Weight: 160 kg
AD0943-304	Four-place unit with touch screen interface. Dimensions (l x w x h): 640 x 430 x 1000 mm. Weight: 90 kg
AD0943-308	Eight-place unit with touch screen interface. Dimensions (l x w x h): 640 x 490 x 1000 mm. Weight: 130 kg
AD0943-312	Twelve-place unit with touch screen interface. Dimensions (l x w x h): 760 x 430 x 1000 mm. Weight: 160 kg

ACCESSORIES

AD0943-A00	Winding fixture
CAL001	PT100 simulator
CAL003	Official Certificate for Pt100 simulator

CONSUMABLES

AD0943-C00	Test tube
AD0943-C01	Mushroom condenser
AD0943-C02	Oxygen delivery tube
AD0943-C03	Cell thermometer
AD0943-C04	Syringe sampling tube
AD0943-C05	Methacrylate sampling tube holder
AD0943-C06	Sampling tube spacer
AD0943-C07	Catalyst coil
TA040C-N00	ASTM 40C thermometer (+72°C/+126°C)

Specifications may vary without notice.

The apparatus includes the items listed aside the picture, accessories etc. should be purchased separately.



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