APPARATUS FOR THE DETERMINATION OF CORROSION OF CAST ALUMINIUM ALLOYS IN ENGINE COOLANTS UNDER HEAT REJECTING CONDITIONS
ASTM D 4340

The apparatus consists of a base supporting one or two heat-transfer corrosion cells. Cells are rated for a working pressure up to 40 psi and working temperature up to 160 °C. An electronic timer permits to set the test duration while an electronic thermostat is used to control the temperature.

Double-unit apparatus

- Enamel finished benchtop steel base.
- Safety screen surrounding the cell(s).
- Heat transfer corrosion cell composed by a Pyrex-glass cell with stainless steel top and bottom plates.
- Stainless steel heat transfer bar. 950 W coaxial heater piloted through a solid state relay.
- Stainless steel manifold mounted on the top plate and equipped with purge valve, pressure relief valve and gage.
- Filling nozzle with cap on the top plate.
- Four stainless steel rods for assembly.
- Electronic thermoregulator with PID action and built-in digital display. Probe: type K thermocouple. In the twin-unit, an independent thermostat for each position is adopted.
- Working range: from ambient to 160°C.
- Safety device against overheating.
- Electronic timer: it is possible to preset the test duration. When the preset time is elapsed, the heater is automatically turned off. In the twin-unit, an independent timer for each position is adopted.
- English written user manual.
- For 220 V/50 Hz connections. Power consumption: 2200 W (twin unit) and 1100 W (single unit).
- Dimensions (l x w x h): 800 x 350 x 850h mm (twin unit) and 450 x 350 x 850h mm (single unit).
- CE marked.

AD4340-100   Single-unit apparatus
AD4340-110   Double-unit apparatus

ACCESSORIES
CAL001   PT100 simulator
CAL003   Official Certificate for Pt100 simulator

CONSUMABLES
AD4340-C00   Specimens
AD4340-C01   Pyrex glass cell
AD4340-C02   Viton gasket
AD4340-C03   Type K thermocouple

Specifications may vary without notice.
The apparatus includes the items listed aside the picture, accessories etc. should be purchased separately.