

APPARATUS FOR THE DETERMINATION OF EXISTENT GUM IN FUELS BY JET EVAPORATION ASTM D 381 - IP 131 - ISO 6246

The apparatus consists of a benchtop case which houses an aluminium heating block. Two versions are available: one for the "Air Jet" test on gasoline and one for both the "Air and Steam Jet" tests with a built-in steam superheater. Steam generator and air blower are also available.



Apparatus (center) with steam generator (left)
and air blower (right)

- Enamel finished benchtop steel case with robust base to support the heating block.
- Five-place aluminium heating block with steam outlets. Stainless steel steam coils and outlets (removable).
- Stainless steel coaxial heater.
- Stainless steel steam superheater inserted in the case. Complete with regulator.
- High precision flowmeter for the Air Jet test: range from 0 to 12 m³/h.
- Stainless steel gauge for the Steam Jet Test: range from 0 to 6 psi.
- Microprocessor thermoregulator with built-in digital display 1°C accuracy. The probe is a PT100 RTD. Regulation accuracy $\pm 0.5^{\circ}\text{C}$. Working range: from ambient to 300°C.
- Safety device against overheating.
- Easy access control box placed on the right side of the apparatus containing all the electronic and electrical components: anodized aluminium control panel with english written indications. Main and heater switch.
- English written user manual.
- For 220V - 50Hz connections: 3500 W.
- Dimensions (l x w x h): mm 860 x 560 x 840 approx. Weight: 98 Kg.
- CE marked.

AD0381-100 Apparatus for the Air and Steam Jet tests
AD0381-110 Apparatus as above but only for the Air Jet test (without steam superheater). For 220V/50 Hz. Power consumption: 2000 W. Dimensions (l x w x h): mm 750 x 490 x 680 approx. Weight 73 Kg approx.

ACCESSORIES

AD0381-A00 Electric Steam generator (400V/50 Hz, 10 kW)
AD0381-A01 Air Blower (380 V/50 Hz, 0.5 kW)
CAL001 PT100 simulator
CAL003 Official Certificate for Pt100 simulator

CONSUMABLES

AD0381-C00 Pyrex glass sample container
TA003C-N00 ASTM 3C thermometer (-5°C/+400°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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