

EVAPORATION RESIDUE TESTING

HGT 915/917 Gum Test Apparatus

*Safe, simple quality control
of aviation fuels & gasoline*

ASTM D 381, ISO 6246, EN 5, IP 131

The Herzog Gum Test Apparatus is designed to measure evaporation residue in aviation fuels, motor gasolines, and other volatile distillates in accordance with ASTM D 381, ISO 6246, EN 5 and IP 131 test methods. The HGT 915 uses air evaporation, while the HGT 917 offers the **versatility of either air or steam evaporation**. Both models are capable of testing three 100 ml samples simultaneously. **Results indicate the likelihood of induction system deposits and potential sticking of intake valves.**

Block temperature is factory set for a temperature of approximately 162°C in air evaporation units and 232°C in steam evaporation units. The temperature of the evaporation air or steam is controlled by pressure regulation. Model 917 includes an **integral steam super heater** as well as a built-in switch which permits changeover from air to steam evaporation when required.



HGT 917



HGT 915

- *Three easily accessible test stations*
- *Choice of air – and air or steam evaporation*
- *Aluminum heating block with electronic heat control*
- *Integral steam super heater (HTG 917 only)*
- *Includes beakers, shielded thermometer, and precision pressure gauge*

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Optional Steam Generator

Herzog's Gum Test Apparatus consists of an aluminum block with ducts for air or steam flow. Sample beakers are placed in wells within the block and hot air or steam is blown across the samples, causing rapid evaporation of volatile constituents. The beaker's weight is then compared to its empty weight; the difference is existent gum.

SPECIFICATIONS

Ordering Information

HGT 915 Gum Test Apparatus

- with air evaporation only, 208 VAC*
- with air evaporation only, 115 VAC*
- with air evaporation only, 230 VAC

HGT 917 Gum Test Apparatus

- with air and steam evaporation, 208VAC*
- with air and steam evaporation, 115VAC*
- with air and steam evaporation, 230VAC

*transformer attached

All Models include the following Accessories:

Precision pressure gauge, three tapered discharge tubes and three test beakers.

Operation

- Accommodates up to three 100 ml samples simultaneously
- Temperature control

Aluminum Block: factory set; field adjustable

Evaporation Air/Steam: user controlled via pressure regulation

Documentation

- User Manual



HGT 915

Physical

- Requirements
 - Compressed Air:* minimum 2.5 Ba
 - Steam:* minimum 2.0 Bar
 - Power:* 230/240 VAC, 50/60 Hz
- Dimensions:
 - 88 cm W x 41 cm D x 30 cm H
 - (34,6" W x 16,1" D x 11,8" H)
- Weight:
 - HGT 915 = 20,5 kg (45,2 lbs)
 - HGT 917 = 23,5 kg (51,8 lbs)

Available Options

- Control thermometer
- Protective sleeve
- Steam Generator 3 x 380 VAC 50/60 Hz
- Feedwater Container
- Water softening system
- Compressor for air evaporation 230VAC 50/60 HZ
- Different power supply on request

Due to continuing product development, specifications subject to change at any time without notice.

All Herzog products are compliant.

FOR ADDITIONAL INFORMATION

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