

Density / Relative Density of Liquid Light Hydrocarbons by Pressure Thermohydrometer

test method

Density and relative density measurements of light hydrocarbons, including LPG, are used for transportation, storage and regulatory purposes. The measurement is made by floating a thermohydrometer in a sample that has been introduced into a pressure cylinder and placed in a constant temperature bath. When the temperature has reached equilibrium, the hydrometer reading and the temperature of the sample is noted.

constant temperature hydrometer bath

- Conforms to ASTM D1298, D1657 and related specifications
- Mechanically refrigerated for convenient sub-ambient temperature operation

Immerses two Hydrometer Cylinders at 60°F (15°C) for density and relative density determinations of LPG and other light hydrocarbons. Mechanically refrigerated cooling system maintains sub-ambient temperature. Thermistor activated solid state temperature controller and 750W copper immersion heater maintain bath temperature with $\pm 0.5^\circ\text{F}$ ($\pm 0.2^\circ\text{C}$) stability. A 1/20 hp ball bearing stirrer circulates the bath medium to assure temperature uniformity. Stainless steel tank is fiberglass insulated. Equipped with overflow standpipe/drain. Steel exterior has a durable polyurethane enamel finish.

ordering information

catalog no.	description
K25900	Constant Temperature Pressure Hydrometer Bath 115V 60Hz
K25990	Constant Temperature Pressure Hydrometer Bath 220-240V 60Hz
K25995	Constant Temperature Pressure Hydrometer Bath 220-240V 50Hz

accessories

332-002-011	Glass Hydrometer Cylinder
250-000-12F	ASTM 12F Thermometer, Range -5 to +215°F
250-000-12C	ASTM 12C Thermometer, Range -20 to +102°C



K25900 Constant Temperature
Pressure Hydrometer Bath

specifications

Conforms to the specifications of:
ASTM D1298, D1657; IP 235; ISO 3993
Temperature Range: -25 to +40°C
Controller Sensitivity: $\pm 0.5^\circ\text{F}$ ($\pm 0.2^\circ\text{C}$)
Capacity: Two (2) Cylinders

Electrical Requirements:

115V, 60Hz, Single Phase, 12.5A
230V, 50/60Hz, Single Phase, 6.4A

Dimensions l x w x h, in.(cm)

Bath Interior: 12x18x22 (30x46x56)
Overall: 18x20x49 (49x51x124)
Net Weight: 158 lbs (71.1kg)

Shipping Information

Shipping Weight: 186 lbs (84.4kg)
Shipping Dimensions: 15.4 Cu. ft.



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