

# HERZOG

# HDA 620 DISTILLATION APPARATUS

## Simple — Yet Versatile — Distillation Testing

- Ergonomic, space-saving design.
- Suitable for ASTM D 86, D 850, D 1078, DIN 51 751, IP 123, IP 191, IP 195, and ISO 3405 testing.
- Electric flask heater with analog heater control.
- High-efficiency condenser bath with integral bath level indicator.
- Two ASTM thermometers, one centering stopper, one measuring cylinder, one distillation flask, and two flask carrier boards included as standard equipment.
- A variety of time-saving, versatility-enhancing options:
  - Flask cooling fan
  - Digital vapor temperature display
  - Digital or analog bath temperature controller
  - Built-in cooling/heating coil for connection to external circulating bath
  - Fire extinguishing system
- Optional Distillation Aid further improves testing accuracy, increases productivity, and automatically documents results.



*Shown with optional Fire Extinguisher System and Digital Condenser Temperature Controller*

# HDA 620 Distillation Apparatus



Distillation analysis is probably the most commonly performed test in refinery laboratories. The standard test methods cover the distillation of gasoline, aviation fuels, kerosene, gas oils, and other petroleum products. The Herzog HDA 620 Distillation Apparatus makes the manual determination of distillation characteristics simple and economical.

Designed for ASTM D 86, D 850, D 1078, DIN 51 751, IP 123, IP 191, IP 195 and ISO 3405 testing, the HDA 620 includes everything needed to immediately begin distillation analysis — including ASTM thermometers and glassware! Equally important, the HDA 620 can be equipped with a wide variety of time-saving, versatility-enhancing options such as a flask cooling fan, digital vapor temperature display, bath temperature controller, external chiller, and fire extinguishing system. It can even be used with the Distillation Aid for automatic distillation rate calculations and hardcopy documentation.

## Specifications

<b>Ordering Information</b>	HDA 620-230-0-0 — Distillation Apparatus, 230 VAC* HDA 620-230-B-0 — Distillation Apparatus with built-in flask cooling fan, 230 VAC* HDA 620-230-0-E — Distillation Apparatus with built-in fire extinguisher system, 230 VAC* HDA 620-230-B-E — Distillation Apparatus with built-in flask cooling fan and fire extinguisher system, 230 VAC* <small>*For 115 V operation substitute 115 for 230 in ordering number; for 208 V operation substitute 208 for 230 in ordering number.</small>
<b>Test Methods</b>	ASTM D 86, D 850, D 1078, DIN 51 751, IP 123, IP 191, IP 195 and ISO 3405.
<b>Flask Heating</b>	Electric.
<b>Heater Control</b>	Analog with 0 to 100% range.
<b>Condenser Bath</b>	Stainless steel with integral cooling coil and bath level indicator. May be connected to an optional external cooling/heating bath.
<b>Electrical Requirements</b>	115 VAC 60 Hz, 208 VAC 60 Hz, or 230 VAC 50 Hz power supply. Internally selectable in instrument.
<b>Operating Conditions</b>	Ambient temperature range: +5° to 40°C; 41° to 104°F; Relative humidity: Up to 90% RH.
<b>Dimensions</b>	530 (H) x 430 (W) x 500 (D) mm; 20.8 x 16.9 x 19.7 inches.
<b>Standard Accessories</b>	ASTM E1 7C thermometer, ASTM E1 8C thermometer, measuring cylinder, 125 ml distillation flask, centering stopper (PTFE), two Ceran flask carrier boards with 32 and 50 mm heater openings, one measuring cylinder pad.
<b>Factory Installed Options</b>	Flask cooling fan, fire extinguisher.
<b>Other Optional Equipment</b>	Analog or digital condenser bath temperature controller, external chiller with temperature controller, digital vapor temperature display, Distillation Aid.

Due to our commitment to continual product improvement, specifications subject to change without notice.



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