



Distillation Units



LT/RDS-900/SA

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Semi-automatic instrument for distillation composed by:

- Structure fully made in stainless steel
- Front panel including manual controls for heating power, fan activation and main power supply
- Plate supported by a base whose height is adjustable with an elevation mechanism controlled by an external knob
- Controlled by a digital thermoregulator with PT100 A class temperature sensor
- PID range from ambient to +450°C, resolution and accuracy 0,1°C
- 3 programmable set points for Gasoline, Kerosene, Gasoil for semiautomatic operation mode
- Infrared heaters 1300 Watt with ceramic-glass plate support
- Fire extinguisher system composed by:
 - solenoid valve
 - red emergency push button
 - dedicated line internally placed with holes for the emission of the fire extinguisher product with joint for the external connection
- Wide toughed glass squared window and stainless steel cover with hole for flask neck

- Cooling fan manually activated for cooling down the glass after analysis
- Refrigerated condensing unit fully made in stainless steel with double chamber insulation:
 - condensing tube made in stainless steel
 - Insulated cover with handle and hole for accommodation of the thermometer with relevant support and liquid level indicator
 - integrated cooling system granting temperature from 0 to +60°C
 - controlled by a digital thermoregulator with PT100 A class temperature sensor with resolution 0,1°C, stirrer motor grant homogeneity/uniformity
 - rear connection for coolants circulation, over flow tube and atmospheric drain cock
 - white background panel for easier reading of the receiver glass cylinder level mark

Power consumption

- 2500 Watt

Power supply

- 220 or 115 Vac 50/60 Hz

Accessories

- LAB-100-005: h.r. gloves
- LAB-100-332: digital stopwatch
- LAB-101-176: flask type A, 100 ml
- LAB-101-177: flask type B, 125 ml
- LAB-101-187: receiver Type B 100 ml, 1.0 ml sub
- LAB-101-191: ceramic board diam. 25 mm
- LAB-101-192: ceramic board diam. 32 mm
- LAB-101-193: ceramic board diam. 38 mm
- LAB-101-194: ceramic board diam. 50 mm
- LAB-101-300: cap condenser
- LAB-101-301: cap flask
- LAB-101-302: cap flask Teflon
- LAB-101-303: boiling stones
- LAB-101-304: cleaning cord
- LAB-101-305: drip deflector
- LAB-101-306: evaporating disc
- LAB-101-630/RD: rubber disc for receiver cylinder to prevent evaporation
- T-AS7C: thermometer ASTM 7C, range -2°...+300° C, div. 1° C
- T-AS7F: thermometer ASTM 7F, range +30°...+580° F, div. 2° F
- T-AS8C: thermometer ASTM 8C, range -2°...+400° C, div. 1° C
- T-AS8F: thermometer ASTM 8F, range +30°...+760° F, div. 2° F

Spare Parts

- LAB-110-024: heater
- LAB-110-025: air fan ventilator
- LAB-110-026: elevating system
- LAB-150-110: electronic regulator