

COMMERCIAL DISTILLATION UNIT

CDU 1000



TECHNICAL DATA

- Evaporator surface: 4.8 dm²
- Condenser surface: 6.5 dm²
- Heating media: thermal oil
- Separate heating jackets for evaporator surface
- Evaporator temperature: max 3500 celsius
- Operation pressure: down to 0.001 mbar (depending on product)
- Pressure in the heating jacket/condenser: max 0.5 barg

FEED SYSTEMS

- Volume: 2.0L
- Max pressure in heating jacket: 0.5 barg
- Roller wiper system with drive motor (230v, 50/60 hz) and manual adjustable speed (200-500 rpm)
- Digital display of the wiper speed
- Material of wiper rollers: PTFE with 25% glass fibers

STANDARD FEATURES

- Continuous feed system, not limited to batch size
- 400-1500mL per hour throughput
- One light pass, single pass polish
- Precision glass joints, superior workmanship
- Diffusion pump equipped vacuum system capable of .75 millitorr and lower
- 38" X 65" footprint
- Dry weight: 435 kg (957 lbs)
- 78" tall with an operational height of 102"
- UL CONFORMING/NRTL MARKED
- 9kw total maximum heating capacity
- Auto feed/auto extraction pumps

ELECTRICAL SPECIFICATIONS

- 60 AMPS, 5 wire (WYE configuration),
- 3 phase 208v (3 120v legs, 1 neutral, 1 ground)
- 2 QTY - 40 AMPS 230 V, NEMA 6-20 PLUGS

INSTALLATION & TRAINING

- 3 days onsite installation & training included

WARRANTY

- One year manufacturer warranty
- Covers parts and labor
- Excludes all glass components

MATERIALS

- Metal parts: stainless steel 316
- Glass parts: borosilcate glass 3.3
- Sealing materials: FPM, PTFE, graphite

TEMPERATURE CONTROL UNITS*

- Julabo SE-6 heating circulator
- Julabo Corio CD-BC4 heating circulator
- Julabo MA-4 heating circulator
- Julabo F32-MA refrigerated/heating circulator
- Julabo FT900 Direct Cooled Cold Trap -80°C

* See Julabo cut sheets