

Cold Trap

CA301/801

Maximum low temperature -45°C (CA301) -85°C (CA801)

Dehumidifying capacity 0.9kg(Water type liquid) (CA301) 1.0kg(Water type liquid) (CA801)



Efficiently traps water vapor and toxic substances discharged from vacuum oven and rotary evaporator to protect the vacuum pump

- Excellent choice to extract acid and organic solvents with the optional glass condenser
- Efficiently reduces vapor inhalation amount to the vacuum pump
- Can be used as a low temperature tank as well as pre-cooling tank
- Utilizes R404A (CA301) and R600a and mixed coolants (CA801)
- Space saving and highly mobile on wheels

Specifications

| Model | CA301 | CA801 |
|------------------------|---|--|
| Method | Direct trap or Glass trap (optional) | |
| Dehumidifying capacity | Max. 0.9kg(Water type liquid) | Max. 1.0kg(Water type liquid) |
| Max. low temperature | -45°C | -85°C |
| Refrigerator | Air cooling, 400W | Air cooling, 350W×2 |
| Refrigerant | R404A | R600a, Mixed coolant |
| Cooling coil | ID ø90mm SUS304 | Installed at tank periphery |
| Lid | OD ø17.6mm with nozzle, SUS304 | |
| Bath shape / material | Cylindrical / SUS304 | |
| Ambient temp. range | 5~35°C | 5~30°C |
| Temperature display | 7 segment LED | |
| Temperature sensor | Platinum resistance temperature detector Pt100Ω | |
| Defrosting mechanism | N/A | Hot gas bypass |
| Safety device | Electric leakage breaker with over current protection, Refrigeration overload relay | Electric leakage breaker with over current protection, Refrigeration overload relay, Refrigerator delay timer, Refrigerator high voltage error, Sensor disconnection error |
| Sink dimensions | I.D.153×H235mm | |
| Internal capacity | ~4L (Liquid 3L) | |
| Power source | AC115V, 50/60Hz, 5A | AC115V, 50/60Hz, 8.5A AC220V, 50/60Hz, 4.5A |
| External dimension(mm) | W345×D475×H726 | W405×D500×H850 |
| Weight | ~47kg | ~65kg |
| Accessories | Casters fixing holder×4 | |

Optional items

| Product description | Product code |
|---------------------------|--------------|
| Glass condenser set OCA10 | 221487 |
| Reducer for rubber tube | |
| brass ø30×ø18 | 242185 |
| brass ø30×ø12 | 242186 |
| SUS ø30×ø18 | 221496 |
| SUS ø30×ø12 | 241497 |
| SUS lid | 281296 |
| Caster fixing holder x 4 | 281440 |



Glass condenser set

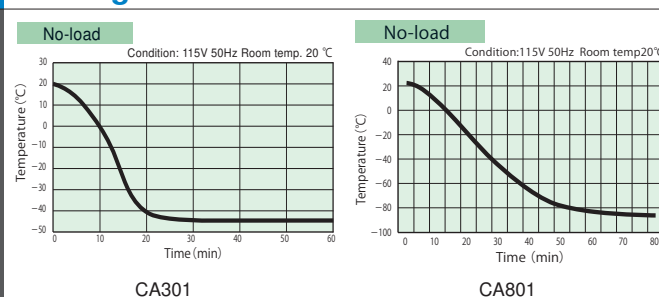


Glass condenser



Stainless cover

Cooling Curve



Application Examples

Combination with vacuum oven



Combination with rotary evaporator

