

# 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)



CA301

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 x 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 x H235mm  |  |
| Internal capacity      | ~4L (Liquid 3L)   |  |
| Power source           | AC115V, 50/60Hz, 5A   | AC115V, 50/60Hz, 8.5A<br>AC220V, 50/60Hz, 4.5A   |
| External dimension(mm) | W345xD475xH726  | W405xD500xH850   |
| Weight                 | ~47kg   | ~65kg  |
| Accessories            |   | Casters fixing holder x 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

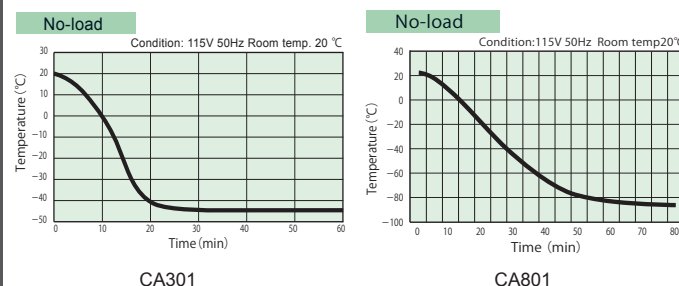


Glass condenser



Stainless cover

### Cooling Curve



CA301

CA801

### Application Examples

#### Combination with vacuum oven



#### Combination with rotary evaporator

