

# 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 holderx4	

### 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

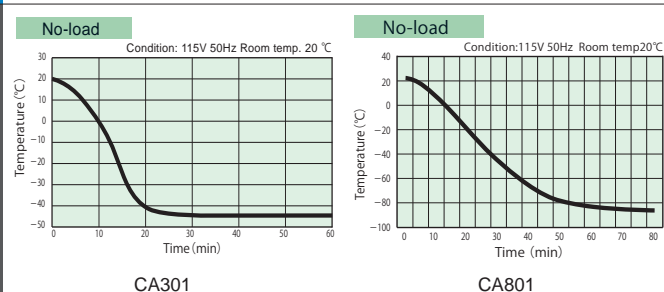


Glass condenser



Stainless cover

### Cooling Curve



### Application Examples

#### Combination with vacuum oven



#### Combination with rotary evaporator

