

Cold Trap

CA301/801

Max. dehumidification capacity	0.9kg(Water type liquid) CA301	1.0kg(Water type liquid) CA801
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Efficiently traps water vapor and toxic substances discharged from vacuum oven and rotary evaporator to protect the vacuum pump

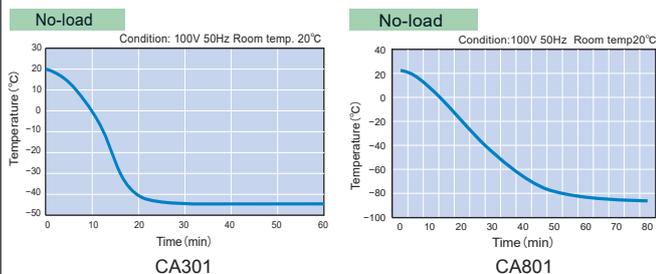
- Excellent choice to extract acid and organic solvents with the optional glass condenser
- Efficiently reduces vapor inhalation amount to the vacuum pump
- Can be used as a low temperature tank as well as pre-cooling tank
- Utilizes R404A (CA301) and R600a and mixed coolants (CA801)
- Space saving and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



CA301

CA801

Cooling Curve

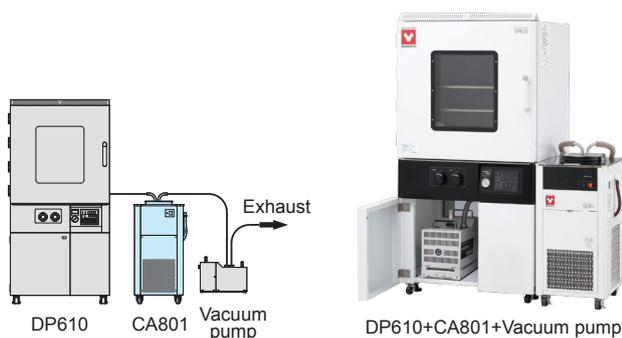


Specifications

Product code	221436	221437
Model	CA301	CA801
Method	Direct trap or Glass trap (optional)	
Dehumidification capacity*1	Max. 0.9kg (Water type liquid)	Max. 1.0kg (Water type liquid)
Max. low temperature*1	-45°C*2	-85°C*2
Ambient temperature	5~35°C	5~30°C
Refrigerator	Air cooling, 400W	Air cooling, 350W
Refrigerant / amount	R404A / 116g±4g	R600a and other mixed refrigerants
Cooling coil	I.D. ø90mm SUS304	Installed at tank periphery
Lid	SUS304, with nozzle (O.D. Φ17.6mm)	
Bath shape / material	Cylindrical / SUS304	
Temperature display	7 segment LCD *The indicated temp. is the surface temp. of the cooling pipe.	
Temperature sensor	Platinum resistance temperature detector Pt100Ω	
Defrosting mechanism	--	Hot bypass system
Safety device	Electric leakage breaker with over current protection, Refrigeration overload relay	
Other Features	Drain (vacuum hose with plug)	Drain (vacuum hose with plug), Compound pressure gauge
Bath dimensions	I.D.153×H235mm	
Internal capacity	Approx. 4L (Liquid volume 3L)	
Power source	AC115V/AC220V Single phase with step-down transformer	
External dimension*3	W345×D475×H726mm	W405×D500×H850mm
Weight	Approx. 47kg	Approx. 65kg
Accessories	--	4 holders for fixing casters

Application Examples

Combination with vacuum oven



*1 Conditions: temperature and humidity: 23°C±5°C, 65%RH±20% (no load)
*2 Surface temperature of cooling coil *3 Do not include protrusions
The length of the power cord is about 2m outside the unit.

Optional items

No.	Product description	Product code
①	Glass condenser set OCA10	221487
②	Reducer for rubber tube, brass ø30×ø18	242185
③	Reducer for rubber tube, brass ø18×ø12	242186
④	Reducer for rubber tube, SUS ø30×ø18	221496
⑤	Reducer for rubber tube, SUS ø18×ø12	221497
⑥	SUS lid	281296
⑦	4 Caster stop holders	281440



Glass condenser set



Glass condenser



Stainless lid