

Cold Trap

CA301-115V CA301-220V /CA801-115V CA801-220V

Maximum low temperature

-45°C
(CA301)

-85°C
(CA801)

Dehumidifying capacity

0.9kg (Water type liquid)
(CA301)

1.0kg (Water type liquid)
(CA801)



CA301-115V
CA301-220V



CA801-115V
CA801-220V

Efficiently traps water vapor and toxic substances discharged from rotary evaporator and vacuum oven 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	CA301-115V CA301-220V	CA801-115V CA801-220V
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 50/60Hz	AC115V 4.3A AC220V 2.3A	AC115V 8.5A AC220V 4.5A
External dimension (mm) WxDxH	345x475x726	
Weight	~50kg	
Included 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

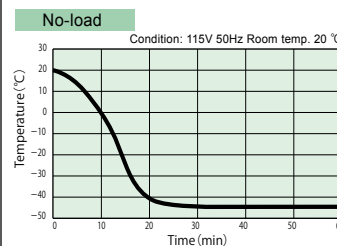


Glass condenser

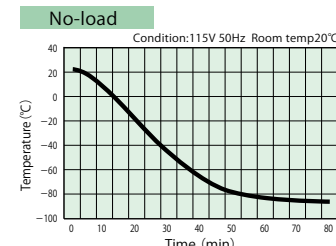


Stainless cover

Cooling Curve



CA301



CA801

Application Examples

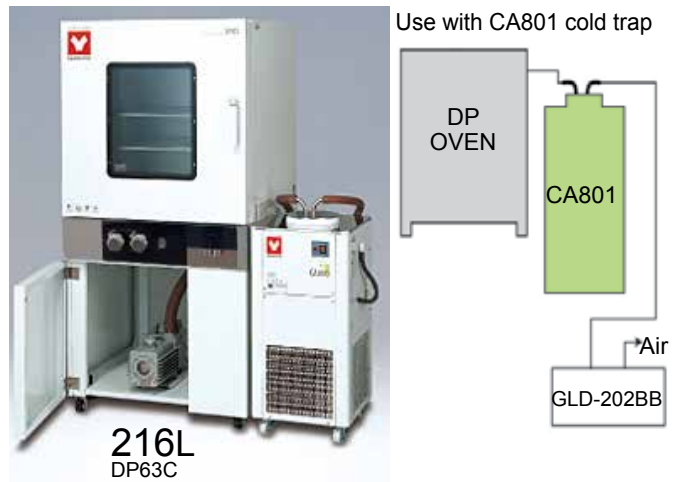
Combination with vacuum oven



Combination with rotary evaporator



Sample Installation with CA801



DP OVEN NW25 Flange



GLD202BB CONNECTING KIT
Hose Port Type Suction Pipe (OD:18mm x M20)
50mm Square Adaptor for suction port
Rubber Hose ID 16mm x 5'/1500mm
Hose Clamp for ID: 7/16" - 11mm hose

CA801

ULV-DPCARKIT
NW25 18mm Hose Nozzle
NW25 Centering O-ring
NW25 Hinged Clamp
Rubber Hose ID 16mm x 5'/1500mm
Hose Clamp for ID: 7/16" - 11mm hose

