

Cold Traps

CA301/801

| Model | |
|------------------------|-------|
| 301 | 801 |
| Dehumidifying capacity | |
| 0.9kg | 1.0kg |
| Capacity | |
| 4 L(Liquid 3L) | |

The Yamato CA series efficiently traps water and toxic substance and protects expensive vacuum pumps. It does not require adding any LN2 or dry ice during the operation

FEATURES

- Excellent choice to extract the acid and organic solvents.
- Multifunctional : it can be used as a low temperature tank as well as a precooling tank
- Utilizes R404A (CA301) and R600a and mixed coolants (CA801) that comply with SCF regulations.
- Easy to move and space saving unit with internal freezer and with casters.

APPLICATIONS

- Evaporator, Vacuum Drying Oven

Applications

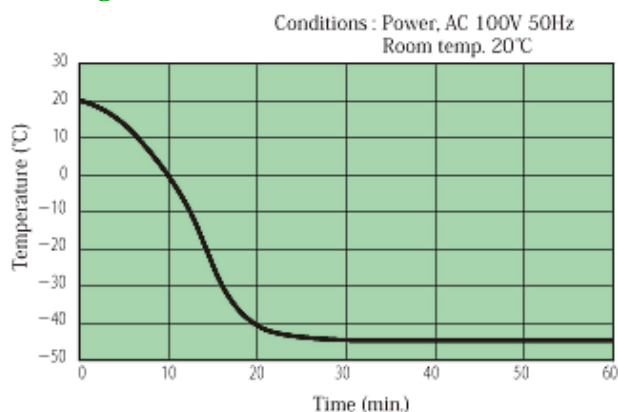


DP63 Vacuum Oven in action with CA801

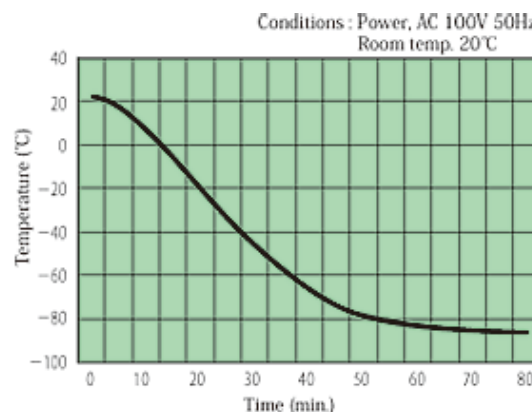


CA301/801

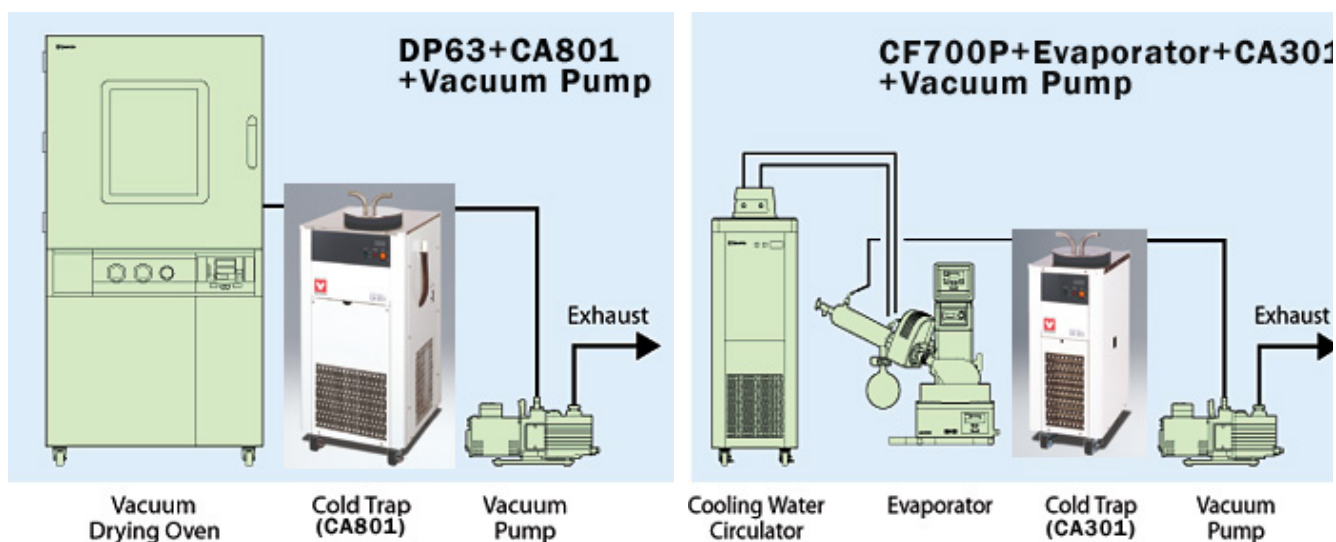
Cooling Curve



CA301



CA801



Specifications

| | CA301 | CA801 |
|--------------------------------|--|---------------------------------------|
| ■ Performance | | |
| Method | Direct trap or Glass trap (optional accessory) | |
| Dehumidifying capacity | Max. 0.9 kg (Water type liquid) | Max. 1.0 kg (Water type liquid) |
| Max. low temperature Fall time | -45deg.C | -85deg.C |
| ■ Components | | |
| Refrigerator | Air cooling, 400W | Air cooling, 350W |
| Refrigerant | R404A | R600a, etc. Mixed Coolant |
| Cooling coil inner diameter | 90 mm, SUS304 | Installed at the water tank periphery |
| Cover for bath | nozzle | |
| Nozzle diameter | 17.6 mm | |
| Bath material | SUS304 | |
| Bath dimension | Cylindrical, 153 dia. × H235 mm | |
| Temperature display | 7 segment LCD | |
| Temperature sensor | Platinum resistance temperature detector Pt100Ω | |
| Capacity | Approx, 4 liters (liquid quantity 3 liters) | |
| Usable ambient temperature | +5deg.C to +35deg.C | +5deg.C to +30deg.C |
| ■ Safe Device | | |
| Safety countermeasures | Electric leakage breaker with over current protection, Overload relay for refrigerator | |
| ■ Standard | | |
| External dimensions(W×D×Hmm) | 345×475×726 | 405×500×850 |
| Weight | Approx. 47 kg | Approx. 65 kg |
| Power source 50/60Hz | AC 100V 5A(15A) | AC 100V 7/6.5A(15A) |

The projection is not included for External dimensions.

■ Optional items

| Description | Model No. | Product Code |
|---|-----------|--------------|
| Glass condenser set | CA Series | 221487 |
| Reducer for rubber tube, brass, 30m dia x 12m dia | CA Series | 242186 |
| Reducer for rubber tube, brass, 30m dia x 18m dia | CA Series | 242185 |
| Reducer for rubber tube, SUS, 30m dia x 12m dia | CA Series | 221497 |
| Reducer for rubber tube, SUS, 30m dia x 18m dia | CA Series | 221496 |
| Caster fixing holder | | 281440 |
| SUS lid | CA Series | 281296 |

Optional Accessories



Glass condenser set



Glass Condenser



Stainless Cover