

Cold Trap

UT-3000A · 4000A · 4000L

Cold trap featuring variety of new functions and digital display of trap temperature.



Features

- Floor type trap features big condensing capacity of Max. 4kg.
- Equipped with drain cock which enables one touch draining.
- Piping is compactly arranged to minimize stress on hose and pipes.
- Transparent lid with nozzle can rotate 360° to eliminate bending stress on vacuum hose.
- SUS 304 trap bath allows use with water or alcohol liquids. Optional glass condenser expands application to acid or organic solvents.

Specifications

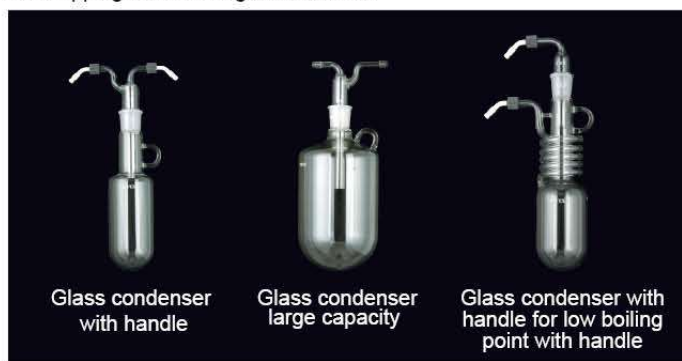
Product Name	Cold Trap		
Model	UT-3000A	UT-4000A	UT-4000L
Cat. No.	216159/216158	216179/216178	216189/216188
Trap	By bath cooling (glass condenser), Option: direct trap		
Condensing capacity	Max.1kg (water)	Max.1kg (water)	Max.4kg (water)
Lowest temperature	-50°C	-80°C	
Display	Trap temp. display (digital display)		
Safety functions	Leak/overcurrent braker, Refrigerator overload, Refrigerator high pressure switch Self diagnosis (Refrigerator mal function, power failure, sensor brake)		
Refrigerator	Air cooling, 450W		Air cooling, 450W x 2
Coolant	HFC R404A		HFC R404A/R23 (HFC)
Bath dimensions (mm)	Φ153 x 225H 3.9L		Φ200 x 310H 9.1L
Dimensions (mm) & Weight	300W x 350D x 838H 33kg	330W x 470D x 838H 60kg	340W x 520D x 835H 65kg
Power source	805VA AC115V/1.54kVA AC220V	1.5kVA AC115V/2.9kVA AC220V	1.7kVA AC115V/3.3kVA AC220V

- Rotary Evaporator 1
- Vacuum Pump & Aspirator 2
- Organic Synthesizer 3
- Freeze Drier · Strip Drier 4
- Shaker 5
- Stirrer 6
- Tube Pump 7
- Low Temperature Oscillator 8
- Cold Trap 9**
- Coolant Temperature Bath 10
- Incubator 11
- Oven 12
- Fermentor 13

Option for UT-3000 • 4000

Glass condenser

For trapping acid and organic solvents.



Glass condenser with handle

Glass condenser large capacity

Glass condenser with handle for low boiling point

Glass condenser set C

Cat. No. 217540 500mL

Large capacity glass condenser C

Cat. No. 217580 180mL

Glass condenser set C for low boiling point

Cat. No. 217560 500mL

Glass condenser

Cat. No. 217510 500mL

Glass condenser, large capacity with handle

Cat. No. 182470 1800mL

Glass condenser for low boiling point

Cat. No. 217520 500mL

Lid with nozzle (Transparent)

For trapping water solvents.



Cat. No. 216210 (UT-3000A • 4000A)

Cat. No. 216220 (UT-3000L • 4000L)

Lid with nozzle (SUS)

For trapping water solvents.



Cat. No. 148940 (UT-3000A • 4000A)

Cat. No. 185890 (UT-3000L • 4000L)

Trap monitor UT-M

Cat. No. 216400



Lump indication of bath overflow before reaching to maximum dehumidification. Suitable for continuous condensation by vacuum dryer or evaporator.

Vacuum pump control unit UT-C

Cat. No. 216230

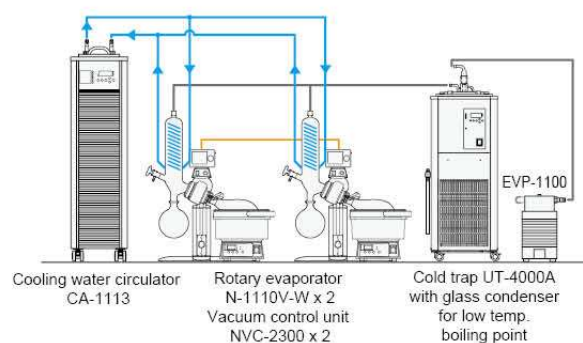


Vacuum pump operation can be stopped by switch attached to Vacuum pump main unit.

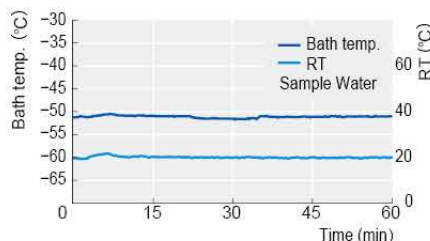


Data

System Combination

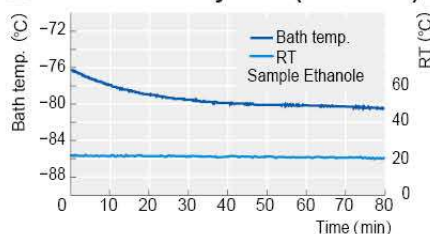


Water recovery ratio (UT-3000A)



Recovery ratio:
Total 99.3%
N-1110: 989.5g
UT-3000A: 3.9g

Ethanol recovery ratio (UT-4000A)



Recovery ratio:
Total 99.96%
N-1110 x 2: 780.95g
UT-4000A: 18.8g