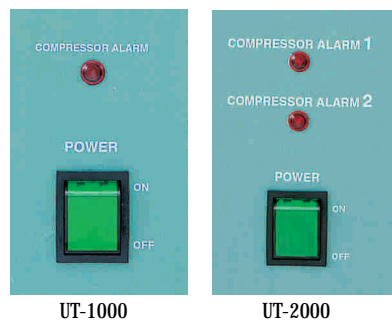


Desk top type Cold Trap UT-1000 · 2000



Operation Panel



Features

- High trap efficiency for low temperature boiling point solvents thanks to lowest temperature -50°C (UT-1000) or -100°C (UT-2000)
- Max. condensing capacity 0.5kg for UT-1000 and 0.4kg for UT-2000. This capacity ensures application to 1L rotary evaporator or centrifugal evaporator.
- Variety of lids and condensers are available according to the nature of solvents; Lid with nozzle for water, Glass condenser for acid, organic solvents, Glass condenser for low boiling point solvents.
- Diaphragm vacuum pump can be installed on top of the unit and this combination can be installed on top or under laboratory table or in dry chamber.

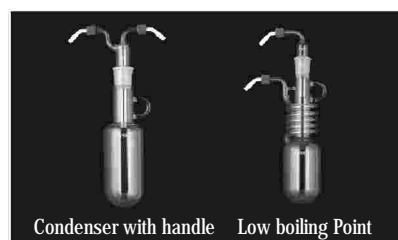
Specifications

Product Name	Desk top type Cold Trap	
Model	UT-1000	UT-2000
Cat.No.	189200	189210
Trap method	Direct trap, glass trap (option)	
Condensr capacity	Max. 0.5kg (water)	Max. 0.4kg (water)
Max.Low temperature	-50°C	-100°C
Cooling system	External trap chamber cooling method	
Safety functions	Short circuit, Over-current breaker, Refrigerator over load relay, Refrigerator high pressure limiter	
Refrigerating method	Air cooling 300W	Air cooling 2 steps 300W+300W
Coolant	R404A	R404A, R1150
Service outlet	Max.4A, Diaphragm vacuum pump	
Bath inner dimensions (mm)	LD 90*Depth 225	
Bath capacity	1.4L	
Ambient temperature	5~30°C	5~30°C
Overall dimensions (mm)	333 (373)W*370D*317H	421 (461)W*510D*473H
Weight	23kg	57kg
Power source	AC100V 50/60Hz	
Input power	6A, 600VA	10A, 1kVA

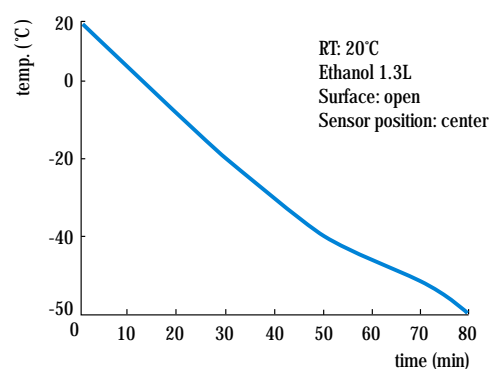
Option

Glass condensers (UT-1000·2000)

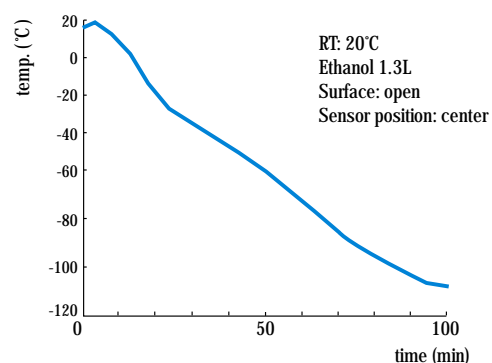
name	Cat.No.
Glass condenser with handle	217510
Glass condenser for low boiling point solvent with lid	217520
Lid with nozzle B(for UT-1000)	192410
Lid with nozzle B2(for UT-2000)	193600
Base plate with casters (for UT-1000)	192420



Cooling curve UT-1000



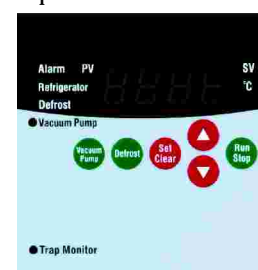
Cooling curve UT-2000



Floor type Cold Trap UT-3000A · 3000L · 4000A · 4000L



*Operation Panel



*Drain Cock



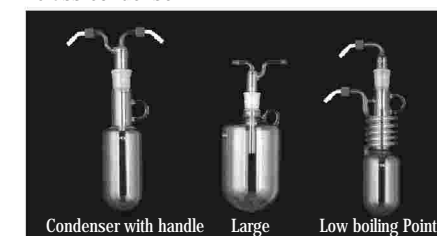
Features

- Floor type cold trap with digital indication of trap temperature. Lowest temperature -80°C and condensing capacity 1~4kg.
- Equipped with drain cock which enables one touch draining.
- Glass or metal traps are available.
- Vacuum piping is compactly arranged to minimize stress on hose and pipes.
- Transparent lid with nozzle can rotate 360°C to eliminate bending stress on vacuum hose.

Optional Accessories

name	Cat.No.
Glass condenser with handle	217510
Large volume Glass condenser with handle	182470
Glass condenser for low boiling point solvent with handle	217520
Lid with nozzle B(for UT-3000A" 4000A)	216210
Lid with nozzle B(for UT-3000L" 4000L)	216220
Lid with nozzle B(for UT-3000A" 4000A)SUS304	148940
Lid with nozzle B(for UT-3000L" 4000L)SUS304	185890
Trap monitor(for UT-3000A" L" 4000A" L)	216400
Vacume pump control unit	216230

*Glass condenser



*Lid with Nozzle



Specifications

Product Name	Floor type Cold Trap			
Model	UT-3000A	UT-3000L	UT-4000A	UT-4000L
Cat.No.	216150	216160	216170	216180
Trap method	Direct trap or glass trap (option)			
Condenser capacity	Max. 1kg (water)	Max. 4kg (water)	Max. 1kg (water)	Max. 4kg (water)
Lowest temperature	-50°C		-80°C	
Display	Trap temperature display (digital display). Min. 5°C			
Safety functions	Leakage or overcurrent breaker, Refrigerator over load relay, Refrigerator high pressure limiter, Self-diagnosis function (Refrigerator mal-function, Power failure alarm, Sensor abnormal)			
Additional functions	Trap temp. display, Defrost, Vacuum pump operation switch (Vacuum pump control out put), User setting (Temp. display compensation, Reset after power failure recovery), Trap bath full detection (option)			
Refrigerator	Air cooling 450W	Air cooling 675W	Air cooling 450W*2	Air cooling 450W*2
Coolant	HFC R404A		HFC 1 step R404A 2 step R23	
Trap bath material	SUS304			
Temperature sensor	Termocouple			
Bath inner dimensions (mm)	Ø153mm*225H	Ø200mm*395H	Ø153mm*225H	Ø200mm*395H
Bath capacity	3.9L	9.4L	3.9L	9.4L
Tube connector diameter	Vacuum•Exhaust 17.3mm	Vacuum•Exhaust 22mm	Vacuum•Exhaust 17.3mm	Vacuum•Exhaust 22mm
Ambient temperature	5~35°C			
Overall dimensions (mm)	300(335)W*350(362)D*835(838)H	340(372)W*370(382)D*835H	330(362)W*470(482)D*835(838)H	340(377)W*520(532)D*835H
Weight	33kg	40kg	60kg	65kg
Power source	AC100V 50/60Hz			
Input power	7A, 700VA	10A, 1kVA	13A, 1.3kVA	15A, 1.5kVA