

**DAIHAN-brand® Digital Precision Cold Trap Bath, “WCT”, -40℃ / -80℃, 10 Lit., with Certi. & Traceability with 2 × Glass Cold Trap, Digital PID Control System, Back-Light LCD, CFC-free Refrigeration System**



Digital Precision Cold Trap Bath “WCT-40”

- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
  - Digital PID Controller
  - CFC-free (R-404A) Refrigeration System
  - Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function
  - CE Certified
  - PL(Product Liability) Insurance
- \* Ideal for exceptional Cooling System like Collecting Evaporation Vapor or Hazardous Vapor from Vacuum Line
- \* Durable Stainless steel Bath and Powder Coated steel
- \* Digital Timer Function : ‘Delay Time’ and ‘Operation Time’ : Can be Controlled
- \* User’s Self-Compensation Function to Control Difference between Real Temperature and Indicated Temperature
- \* Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)

**Specification**

Temp. Range & Model	Down to -40℃ “WCT-40”	Down to -80℃ “WCT-80”
Capacity	10 Lit.	
Cold Trap Type	2 × Glass Trap	
Refrigerator	1/2 HP	1 HP
Power Consumption	900 W	1.8 kW
Refrigerant	R-404A	HFC
Display	Digital LCD with Back-Light Function	
Controller	PID Controller with Jog-Shuttle Switch (Turn+Push)	
Drain Valve	Mounted	
Safety Circuit	Over Current protection, Sensor Error Detection, Leakage Breaker	
Material (w × d × h)	Stainless steel (# 304)-Internal, Powder Coated steel, 1.2t, Doublepaint & Baked-External, 20 mm Thickness Polyurethane-Insulation	
Dimension (mm)	220 × 220 × h210 mm-Internal,	377 × 453 × h705 mm-External
Packing Dimension (mm) and Gross Weight (kg)	560 × 500 × h1,010, 67 kg	680 × 640 × h1,130, 90 kg
Power Supply & Cord/Plug*	1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz	

\* Other Specifications are available upon Customer’s Request.

**Ordering Information**

- DH.WCT00140 Cold Trap Bath, 230V, 10 Lit., -40℃, “WCT-40”  
 DH.WCT00180 , -80℃, “WCT-80”  
 DH.WCT00240 Cold Trap Bath, 120V, 10 Lit., -40℃, “WCT-40”  
 DH.WCT00280 , -80℃, “WCT-80”

**Spare Glass Cold Trap**

- DH.WCT11000 (1) 1 × Glass Cold Trap, φ 106 × h249mm, “CTG1000”  
 1ea of DURAN® Borosilicate Glass, α 3.3 Safety-Pressure Resistant 1.5bar at 250℃, for “WCT”

**Validation (IQ, OQ) Service**

- DH.WCT20140 Validation Service(IQ, OQ), “CTBV106”, for “WCT-40”  
 DH.WCT20180 , “CTBV108”, for “WCT-80”



(1) Glass Cold Trap “CTG1000”

※ DAIHAN Recommendation : Combination of the Cold Trap Bath(WCT) with the Vacuum Oven(WOV) and Vacuum Pump (Refer to page 159~161)