

Charpy Impact Test Cooling Thermostatic Bath

(BDCW-80 Series| -80~30℃)



Product Description

BDCW-80 refrigerating Bath | cooling thermostatic bath | cryogenic tank for charpy notch impact test is a compressor refrigeration device developed by BuenoBiotech according to the requirements for cryogenic tank of impact test in 《GB/ t229-2007 charpy notch impact test method for metallic materials》. This instrument adopts the imported compressor, the cascade refrigeration technology, uses the heat balance principle and the circulation stirring method, achieves the impact notch sample automatic cooling, the constant temperature, may completely satisfy the national standard GB/ t229-2007 regulation each temperature control index. The refrigeration system has multiple protection of over heat and over current. This instrument is easy to operate, fast to refrigerate and high to control temperature. It is an ideal sample cooling and thermostatic instrument for low temperature impact test of metal. It can also be used in many other low temperature test.

Product Features

1. Adopt imported compressor, cascade refrigeration technology, large cooling capacity, fast cooling.
2. High precision temperature control system adopts PID temperature control technology, precision can reach 0.5 °C.
3. Super stainless steel low-temperature box: 150×150×240 mm, can hold 60 ~ 120 samples.
4. Stainless steel liner corrosion resistant, with three sample baskets.

5. Beautiful and exquisite appearance design, simple and convenient operation.
6. Metal shell durable, side into the wind, side exhaust, good heat dissipation performance.
7. With casters, it is more convenient to move.

Application

BDCW-80 refrigerating Bath | cooling thermostatic bath | cryogenic tank for impact test are widely used in metallurgy, boiler, pressure vessel, steel plates, steel pipes, wind power, metal, metal, casting, pump, valve, solar energy, armaments factories, fasteners, diesel engine, electric power, iron tower, railway, watercrafts, machinery manufacturing, oil, automobile, chemical, aerospace, physical and chemical laboratory, scientific research departments such as ideal impact equipment.

Technical Features

Model	BDCW-80	
Temperature Range (°C)	-80~30°C (RT≤25°C)	
Temperature precision (°C)	±0.5 (Optional temperature control precision 0.2°C)	
Digital timing (min)	1~99	
Cooling rate	30°C ~ 0°C	around 2.0°C/min
	0°C ~ - 20°C	around 1.5°C/min
	- 20°C ~ - 60°C	around 1.0°C/min
	- 60°C ~ - 80°C	around 0.7°C/min
Working space size (mm3)	268×158×150 mm large stainless steel thermostat	

The quantity of sample	> 60 (impact sample size: 10×10×55 mm)
Power (kw)	2.5
Shape size (mm)	905×510×870
Mixing motor (W)	23
Power Supply (V/HZ)	220/50
Medium	Ethanol or other anti-freeze liquids

Technical Specification

Working conditions

1. The ambient temperature ranges from 0 to 25 ° C
2. Relative humidity shall not be greater than 85%
3. Environment without corrosive medium
4. Install on the flat ground

Services

1. 12 months warranty for thermostatic instrument.
2. Technical support is also available timely.
3. Reply your enquiry within 24 working hours.
4. OEM is available if the quantity is large.
5. Package and shipping worldwide.