



DFY-5 Series Low Temperature Constant
Temperature Bath

PROFESSION
CREATIVE
PROGRESS



PRODUCT DESCRIPTION

There are many different *water bath* on the market, such as *electric water heater bath*, *portable bath water heater*, *precision water bath*, and *electric water bath* etc..

DFY-5 series low temperature constant temperature bath' s volume is 5L. The range of lowest temperature is -10°C~-120°C. The temperature fluctuation is $\pm 0.1^{\circ}\text{C}$. The flow of circulating system is 20L/min and the practical opening diameter is 285mm. This device can provide a field where the temperature can be controlled constantly and evenly at work for the users to test the temperature of samples or products. It can also be the source of heat or cooling which can directly heat or cool as well as auxiliarily heat or cool products. DFY-5 series low temperature constant temperature bath are suitable for scientific research, biology, physics, medicine, chemistry and other departments to conduct experiments at low temperature. It can replace dry ice and the liquid nitrogen to make low temperature and provide low temperature condition for the related equipment. DFY-5 low temperature constant temperature bath can also conduct application viscosity test.

DFY-5 low temperature constant temperature bath installs *magnetic stirrer* at the bottom of the bath. When the stirrer works, it makes the medium inside the bath flow so that the temperature of the stainless steel tank can be more even and improve the accuracy of temperature control. Meanwhile the temperature of the testing liquid can be more even and the reaction can be more sufficiently under the stirring of PTFE stirrers. According to client requirements, we can equip circulating pump inside the equipment, to reach the effect of low temperature cooling liquid circulating pump.

Features of DFY-5 series low temperature constant temperature bath:

1. Inside the bath are magnetic stirring device with high power to ensure sufficient stirring torque.
2. Tank liner, heater and evaporator adopt stainless steel material.
3. Water bath uses dual LED window which can display setting temperature and actual temperature at the same time.
4. The circulating system is sealed, avoiding oil mist and water absorption. This structure ensures the safety of the experiment.
5. Protection device has self-diagnostic function; refrigerator overload protection; high pressure switch; overload relay; heat protector.
6. It' s designed compactly, saving space.
7. High pressure pump is equipped so that the second constant temperature field can be set up smoothly.
8. Circulating pump, cooling coil and key interface adopt anti-corrosion material stainless steel.
9. It is equipped with micro-computer to control precisely; easy and audio-visual.
10. P. I. D. System reduces error. It has offlet to make it convenient to change the medium.

11. According to the cycling load and the motor power of refrigerator, imported inverter compressor can make variable frequency regulation, which is energy saving and environment protective.
12. The caliber of the cover is adjustable, which can reduce the consuming of the refrigerant.

SPECIFICATIONS

Models	Capacity(L)	Temp range(°C)	Temp fluctuation(°C)	Refrigerating capacity(W)	Circulator flow(L/min)	Diameter
DFY-5/10	5	-10-98	±0.1	1248-319	20L/min	285mm
DFY-5/20	5	-20-98	±0.1	1248-319	20L/min	285mm
DFY-5/25	5	-25-98	±0.1	1814-447	20L/min	285mm
DFY-5/30	5	-30-98	±0.1	2653-627	20L/min	285mm
DFY-5/40	5	-40-98	±0.1	1956-602	20L/min	285mm
DFY-5/60	5	-60-98	±0.1	1956-330	20L/min	285mm
DFY-5/80	5	-80-room temp	±0.1	1956-180	20L/min	285mm
DFY-5/120	5	-120-room temp	±0.1	3808-160	20L/min	285mm

PRODUCT DETAILS

It has dual LED window which can display setting temperature and actual temperature at the same time.



Tank liner adopts anti-corrosion and longevous and stainless steel material.

Brake caster make it convenient to move.



Compressor is sealed, fast cooling speed, low noise, advanced performance, reliable quality.

Double outlet, satisfied various material needs.

