

COLD TRAP BATHS



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Cold trap bath is the laboratory device specially designed to convert or condense the gases except the permanent gases into volatile substances. It is generally consists of the cooling bath which is filled with liquid like liquid nitrogen, acetone or dry ice which causes the fall of the temperature to their lowest points. When gas passes through the cold trap the decreased temperature condenses the gas & captures in the trap by removing its gas phase. These prevent vapours entering in vacuum pump which can cause contamination

LTBAT32 COLD TRAP BATH

Improve pump working efficiency

The low temperature of the cold trap can condense the water vapor directly in the cold trap, thus greatly improving the working efficiency of the vacuum pump

Pumps that use oil either as their working fluid (diffusion pumps), or as their lubricant (mechanical rotary pumps), are often the sources of contamination in vacuum systems

Placing a cold trap at the mouth of such a pump greatly lowers the risk that oil vapors will back stream into the cavity

P.I.D temperature controller provides accurate and reliable temperature control

Large LCD display screen and interface provides for user-friendly operation

Non-freon refrigeration improve cooling efficiency, lower noise, longer life time ensures the stability for long time running

Temperature deviation alarm

Compressor over current, over heat, over load protection

SPECIFICATIONS

Model	LTBAT32-1	LTBAT32-2
Capacity	5 L	
Collection methods	Immersion of Glass Condenser	
Collection amount	Max.0.5 Kg	Max.0.4 Kg
Lowest temp	- 40°C	- 80°C
Safety function	Delayed Start of Compressor, Leakage, Overcurrent, Overvoltage Protection	
Refrigerating capacity	Air Cooling 150W R404A	Air Cooling 55W R404A, R23
Cover interface material	Import PC	
Tank interior dimension	Φ220mmx180mm	
PC capping diameter	Φ50.3mm 3 holes	
Condenser diameter	Φ10 mm	
Interior dimension	315Wx500Dx570H mm	500Wx600Dx640H mm
Power	850 W	1300 W
Electrical requirement	220 V / 50 Hz	



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