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**Product Name :**  
Cooling Crystallisation

**Product Code :**  
LBNY-0005-12700027



#### **Description :**

Circuit for undersaturated solution with tank, 2 heat exchangers for heating and pump  
Measurement and control of temperatures in stirred tank, tank for undersaturated solution and in crystallisation cell.  
Bypass for oversaturated solution with crystallisation cell and 2 heat exchangers for cooling  
Crystallisation from solutions in fluidised bed  
Heating circuit with pump, tank, heater and thermostat  
Stirred tank for preparation of a saturated solution  
Removable and fillable crystallisation cell, pmma  
Adjustment of flow rate in bypass using valves.

#### **Technical Specification :**

Tanks  
Stirred tank: approx. 25l  
Heating circuit: approx. 32L  
For undersaturated solution: approx. 25l  
Pump (heating circuit)  
Max. head: approx. 9m  
Max. Flow rate: approx. 6l/min  
Pump (solution)  
Max. head: approx. 38m  
Max. Flow rate: approx. 21l/min  
Measuring ranges

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Flow rate: 1x 0...12L/min  
Temperature: 3x 0...100°C, 1x 0...80°C  
Crystallisation cell  
Heater power output: approx. 2kW  
Diameter: approx. 40mm  
Height: approx. 80mm.



**Laboratory Instrument India**