



Email : [sales@laboratoryinstrumentindia.com](mailto:sales@laboratoryinstrumentindia.com)

**Product Name :**  
Pasteurisation Pilot Plant

**Product Code :**  
LBNY-0005-10700020



#### **Description :**

##### **Semi-Automatic Pasteurisation Pilot Plant**

Pasteurisation is carried out by heating and then quickly cooling the liquid to prevent growth of residual micro-organisms.

A Pasteurisation Plant designed to pasteurise milk and clear juices.

##### **Automated Pasteurisation Pilot Plant with SCADA**

Pasteurisation is carried out by heating and then quickly cooling the liquid to prevent growth of residual micro-organisms. A Pasteurisation Plant designed to pasteurise milk and clear juices. It is supplied with a PID controller to control and monitor the process in real time and automatically collect and store process data.

#### **Technical Specification :**

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Centrifugal feed pump of sanitary type with body of stainless steel and maximum flow rate of 1000 l/h

Variable-area flow meter of stainless steel, with range of 10 to 100 l/h, accuracy:  $\pm 0.5\%$

Cylindrical feed tank of stainless steel, mirror polished inside, with capacity of 80 l

Tank of stainless steel, with capacity of 80 l, for collecting water/glycol solution

Cooling circuit for water/glycol solution, including compressor, P = 3.5 kW, condenser, filter, liquid separator, thermostat

Wheeled framework of stainless steel

Max. feeding: 100 l/h (higher flow rates on demand)

2 plate heat exchangers (pasteurization and cooling) of stainless steel, with exchange surface of 0.1 m<sup>2</sup>

Circulation pump of water/glycol solution with body of stainless steel and maximum flow rate of 2000 l/h.

Cylindrical tank of stainless steel, mirror polished inside, with capacity of 80 l, for collecting the pasteurized

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product.



**Laboratory Instrument India**