LABORATORY CASCADING CRYSTALLIZATION

REFERENCE : MP1002

Non contractual photo

SERVICE : 230 V / 50 HZ / SINGLE PHASE: 6 KW COLD WATER 20 A° C / 3 BAR: 1 M3 / H. EMPTY 20 MBAR; 5 NM3 / H DRAIN
DIMENSIONS : 1.5 M X 0,6 M X 2,5 M

WEIGHT : 150KG

- Laboratory equipment
- Cooling water flow alarms for stopping the heating and protecting the operators
- Temperature alarms for heating element protection
- Borosilicate glass and 316L stainless steel construction
- Removable tanks without disassembly of the upper part of the reactors
- Heating by thermal fluid
- Heating control with setpoint ramp programmer

Technical specifications :

- Cylindrical reactor type "grignard" double envelope thermal fluid heating and drain valve type; borosilicate glass lid.
- Variable speed stirring system in 316L stainless steel with impeller turbine.
- Borosilicate glass column head.
- Vertical condenser made of 316L stainless steel.
- Borosilicate glass distillate coolant.
- Recipe for borosilicate glass distillate, graduated.
- Borosilicate glass filter type "BÃ¼chner"; filtration media in sintered borosilicate glass, rapid removal of both filter parts; drain valve made of 316L stainless steel - PTFE ball.
- "Grignard" type cylindrical reactor: thermal fluid heating envelope and borosilicate glass lid.
- Variable speed stirring system in 316L stainless steel with impeller turbine.
- Borosilicate glass column head.
- Vertical condenser made of 316L stainless steel.
- Borosilicate glass distillate coolant.
- Recipe for borosilicate glass distillate, graduated.
- Binding pipes made of borosilicate glass.
- Support frame in 304L stainless steel tubes and aluminum nuts.

Instrumentation :

- Condenser cooling water supply units each equipped with a control valve and a water circulation controller for stopping heating due to lack of cooling.
- Heating baths and circulation of the thermal fluid, heating power 2 kW (thermal fluid supplied).
- Control and control cabinet, IP55, equipped with emergency stop, operating buttons and the following interfaces:
- Variators of stirring speeds.
- Two numerical indicators of stirring speeds.