

Strike 2000

Strike 2000 has both industrial and laboratory rotary evaporation features. It meets the process needs by using Borosilicate glass and PTFE permitting aggressive substances treatment. The plant allows for an evaporation of volatile components (low boiling) so as to separate them from the residual ones (high boiling) thanks to the difference of their boiling point. Strike 2000 is suitable to run in atmospheric pressure and under vacuum conditions so as to lower the boiling point and allowing indirect heating by using water or oil. Easy and totally safe to start-up, check and stop procedures of the process. Strike 2000 is provided with a transparent protection shield located on the evaporation flask and bath thermostat.

Applications

- Distillation
- Solvent recycling
- Fine chemical synthesis
- Component purification
- Reflux process reactions
- Crystallisation

- Application Fields**
- Pharmaceuticals
 - Cosmetics
 - Food and Beverage
 - Herb extraction
 - Petrochemistry

Product no **Description**

12500/20 Strike 2000

TECHNICAL FEATURES

Glass assembly material	Plastic coated borosilicate glassware
Sealing system material	PTFE & Carbographite
Heating bath capacity	35lt
Evaporation flask capacity	20lt
Refrigeration system exchange surface	0.6m ²
Collection flask capacity	1 to 10 lt flask
Evaporation flask rotation speed	15 /100 rpm continuously adjustable rotation speed "Brushless" motor with electronic control
Dimension (w x l x h)	1450 x 650 x 1900mm
Vacuum tight	5mmHg
Thermostatic resistance power	4kW
Power supply	380V, tri-phase, 50-60Hz
Temperature control system	ambient up to 200°C PID 9\$1°C accuracy

Accessories

Product no	Description
12500/21	6 litre evaporation flask
12500/22	10 litre evaporation flask
12500/23	10 litre powder drying flask
12500/24	20 litre powder drying flask
12500/25	2 x 6 litres double receiving flasks
12500/26	Glass recoiler
12500/27	PTFE vacuum pump with controller
12500/28	Aluminium trolley



HEATING BATH

The heating bath is lifted by means of a hydraulic system which, in case of power failure, goes automatically down to avoid fluid overheating.

SEALING SYSTEM

A great feature of the Strike 2000 is its PTFE/carbographite sealing system which allows a perfect vacuum-tight anti-corrosion seal without gaskets or other materials that can be damaged by solvent contact. This sealing system is a standard in all Strike 2000 models and does not require any maintenance.

DISPLAY

The process operating conditions can be set and displayed; any value error or anomalous temperature or pressure peaks will block the electric power

PRESSURE AND TEMPERATURE

Strike 2000 runs under atmospheric pressure conditions and vacuum. It guarantees a perfect vacuum tight up to P = 5mmHg. Therefore, low evaporation temperatures mean reduced process times. The thermostatic bath can run both with water and oil allowing to reach 200°C maximum temperature; it also permits evaporation of any solvents under atmospheric pressure conditions. The heating bath is supplied with two 4kW electric heaters.