Concentrators _____



It is an automated evaporative concentrator that efficiently evaporates organic solvents by injecting inert gas into a sample under constant temperature conditions. Provides ideal sample concentration that meets both efficiency and convenience based on semi-helical gas flow. Inert gas is incorporated through the nozzles inside the lid and creates semi-helical gas flow in the sample tubes to maximize the surface area for efficient vaporization.

Evaporated vapor is evacuated by a fan on the back of instrument. To speed up evaporation, hot temperature can be applied from the water bath where the sample tubes are immersed into. The initial gas (air) flow can be controlled separately to avoid abrupt bumping of samples and the time setting of four nozzle channels can be managed individually to afford simultaneous operation of different amount or diverse solvent samples. Accommodates max. 32 samples by changing the nozzles and tube racks properly depending on the volume of the samples. The max. sample volume 300 ml can be concentrated. Also, the nozzle and tube rack can be customized according to various tube size customer uses. Not only the recovery rate and time saving but you can also enjoy the minimum hands-on time and convenience of clear visibility and monitory lights.



Control Panel

Maximizing Efficiency



Proprietary semi-helical gas flow mechanism to achieve the highest evaporation rate.

Concentrators _____

Features

- Accelerated evaporation performance by gas purging mechanism
- Automated, programmable and reproducible
- · Proprietary semi-helical gas flow mechanism to achieve the highest evaporation rate
- Diverse dimensions of nozzles and tube racks can be tailored upon customer needs
- Four independent timer settings for different solvents
- Dual-step control of gas pressure and time to prevent "bumping" of the sample on startup
- Differentiated monitoring functions: 3-side transparent glass panels, blue backlight (on/off switchable) and traffic lights
- Optimized for evaporating organic solvents including sample preparations for chromatography
- Safety features: tempered glass panels, automatic gas shutoff function, traffic lights (fan, door, heater)

Technical Specifications

Model Name		821300
Sample Capacity	Number of Samples	6 ~ 32
	Sample Volume (ml)	5 ~ 300 ml
Gas		Compressed air, Nitrogen, etc.
Pressure	Operating Gas Pressure (psi)	Max 50 psi
	Pressure Control	Automated dual-step control (initial & running pressure)
Max Time for Initial Pressure		~ 99 min
Max Time Control		~ 999 min (4 independent channels)
Individual Time Setting for Each Channel		Yes
Light On/Off		Yes
Water Bath Temperature		~ 99 °C
Forced Vapor Evacuation		Yes (by fan)
Power supply		230 V, 50 Hz (AC 220-230 V, 50/60 Hz; 110 V optional)
Power requirement (VA)		800
Dimension		590 x 340 x 320 (W x D x H, mm)
Weight		26.5 kg



Rubber-Grip

The rubber-grip can be installed in tube rack to prevent movements of the tube samples during evaporation.

Tube Racks & Nozzles

821301	Tube Rack for 24 mm x 120 mm tubes (32 positions)
821302	Tube Rack for 15 mm x 70 mm tubes (32 positions)
821303	Tube Rack for 30 mm x 120 mm tubes (18 positions)
821304	Tube Rack for 38 mm x 140 mm tubes (15 Positions)
821305	Tube Rack for 16 mm x 100 mm tubes (32 Positions)
821306	Tube Rack for 72 mm x 140 mm tubes (6 Positions)
821307	Customized Tube Rack
821308	Nozzle Assembly, 4 x 8 (32 positions)
821309	Nozzle Assembly, 3 x 6 (18 positions)
821310	Nozzle Assembly, 3 x 5 (15 position)
821311	Nozzle Assembly, 2 x 3 (6 position)
821312	Customized Nozzles Assembly
821313	Nozzle cap

At any time, the manufacturer may bring modifications to the model above described, for technical or commercial reasons. The picture does not necessary shows the product in the standard version.