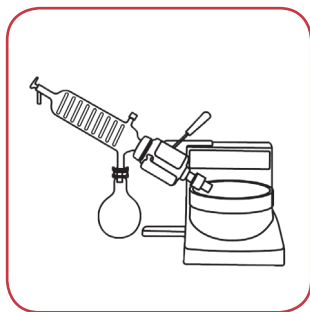


## Rotary Evaporation



ROdist professional package  
with LVS 105 T - 10 ef | 112033

### Description

Rotary evaporators are widely used in chemical laboratories as a way of evaporating solvents from a sample. A rotary evaporator needs to be partnered with a source of vacuum, with the vapour pressure of the solvent and the water bath temperature determining the vacuum level required.

A range of flask sizes can be used with a rotary evaporator and the size (flow rate) of the vacuum pump should be chosen based on the flask volume being used.

### Application note

Ensure the correct vacuum level and flow rate for your pump based on the solvents being and flask size being used. Use our model selector for guidance.

Use a vacuum regulator to stop your sample from foaming and bumping.

### Recommended Products

Welch produce a wide range of vacuum pumps and vacuum pump systems for use with rotary evaporators. With ultimate vacuum levels from 75 mbar to 1 mbar, flow rates up to 138 l/min and a variety of vacuum regulation options there's a pump for all applications.

Pumps can be regulated for better control. Regulation is available as manual and digital controller options. Some products come with vacuum regulators as standard.

- MPC chemical duty diaphragm pumps for an economical option. Available in a wide range of sizes and accessories available for vacuum regulation

- LVS systems, built on the MPC chemical duty diaphragm pump but with added glassware and options for built in regulation - manual or digital controller.

- 8890 Gem gear pump system. Designed for use with very high boiling point solvents. Includes vacuum regulator and oil mist eliminator as part part of the package.

### Model Selector | Rotary Evaporators

Boiling Point, Atmospheric Pressure	80°C		110°C		160°C		195°C	
Example Solvents	Methylene chloride Acetone Chloroform Ethanol		Trichloroethylene n-Propyl alcohol Heptane Water Toluene Acetic Acid		1,1,2,2-Tetrachloroethane DMF Pentachloroethane		DMSO Polymers	
RotoVap Flask Volume	Pump Models	System Models	Pump Models	System Models	Pump Models	System Models	Pump Models	System Models
<b>1 L</b>	↑	↑	↑	↑	↑	↑	↑	↑
<b>2 L</b>	↑	↑	MPC 101 Z	LVS 101 Z	MPC 105 T, MPC 105 T iQ-P	LVS 105 T-10 ef	↑	↑
<b>10 L</b>	↑	LVS 101 Z	↑	↑	MPC 201 T	LVS 210 T LVS 210 T ef	1400	8890C-70
<b>20 L</b>	MPC 110 E	LVS 301 Z	MPC 301 Z, MPC 302 Z	LVS 301 Z, LVS 310 Z	MPC 601 T	LVS 610 T LVS 610 T ef	1402	1402