

ROTARY EVAPORATOR

RE - 200/300/600/800

Overview

Yamato's rotary evaporators are built with metal bodies, making this equipment highly dependable and extremely durable. Rotary evaporation is the most common and efficient method of separating liquids. The rotating flask generates an effective heat transfer for fast evaporation, which in turn prevents the sample from being overheated. Yamato rotavaps are known for the steady rotation speeds of the sample flask which allows for uniformity within the sample, especially when composed of various solvents.

Advantages

- Patented condenser designs
- Water bath has a removable bowl for easy cleaning
- 3 different compatible glassware sets for different uses
- Customize your rotary evaporator with various accessories
- Simple and intuitive assembly for easy cleaning and storage

Applications

- Crime scene investigation
- Chemical trials
- Environmental testing
- Separation observation

Ordering Guide

RE - 200

RE - 200 - 100 A

Water bath size; select either 100, 200, or 400 to indicate size of water bath



RE - 300AW



RE - 200-200B



RE - 600CW

Glassware type; select either A, B, or C. Glassware set A includes a diagonal diagonal condenser, glassware set B includes a vertical condenser, and glassware set C includes a vertical condenser for solvents with low boiling points

RE -300/600/800

RE - 300 A W T* 2**

Glassware type; select either A, B, or C. Glassware set A includes a diagonal diagonal condenser, glassware set B includes a vertical condenser, and glassware set C includes a vertical condenser for solvents with low boiling points

Bath type; select between "W" and "O". W is for the BM-500 water bath and O is for the BO-400 oil bath.

Option; select between "T" or "V". T is for the vapor temperature indicator, while V is for the vacuum regulator

Can I add anything else?

ASPIRATOR

Part No. WP - 15 or WP - 25
Prevent oil contamination because it uses water to create a vacuum

VACUUM PUMP

Please inquire for appropriate pump
Creates strong vacuum conditions for your experiment

COOL WATER CIRCULATOR

Part No. CF - 300
Circulates stable low temperature water through condenser

* can be left blank

** can be "2" or blank - 2 is for 220V rotary evaporator sets

Technical Specifications

MODEL		RE - 200	RE - 300	RE - 600	RE - 800
Performance	Rotational Frequency Control Range	20 - 180 rpm	5 - 250 rpm	5 - 250 rpm	5 - 250 rpm
	Data	N/A	N/A	Data of 53 solvents can be memorized	
Structure	Motor	DC brushless motor			
	Lift	Manual	Automatic	Automatic	Automatic
	Material	Metal	Diecast Metal	Diecast Metal	Diecast Metal
Standard	Power Supply	115 V, 1 Amp	100 - 240 VAC, 1.5 A	100 - 240 VAC, 1.5 A	100 - 240 VAC, 1.5 A
Included Accessories	Vacuum Regulator	N/A	Option	VR - 600	VR - 800
Operational Requirements	Glassware	A, B, or C	A, B, or C	A, B, or C	A, B, or C
	Water or Oil Bath	BM-100/200/400 or BO-600	BM-500/510 or BO-400/410	BM-500/510 or BO-400/410	BM-500 or BO-401
Optional Accessories	Arm Jack	JK200	N/A	N/A	N/A
	Cooling Water Circulator	CF-300 only with glassware A or B			
	Aspirator	WP - 15 (115V) or WP - 25 (220V)	WP - 15 (115V) or WP - 25 (220V)	WP - 15 (115V) or WP - 25 (220V)	WP - 15 (115V) or WP - 25 (220V)
	Vacuum Pump	ILM - 40017106 (8mbar, 6 torr) or ILM - 40008203 (2 mbar, 1.5 torr)	ILM - 40017106 (8mbar, 6 torr) or ILM - 40008203 (2 mbar, 1.5 torr)	ILM - 40017106 (8mbar, 6 torr) or ILM - 40008203 (2 mbar, 1.5 torr)	ILM - 40017106 (8mbar, 6 torr) or ILM - 40008203 (2 mbar, 1.5 torr)
	Vacuum Regulator	N/A	Part No. VR-300	Included	Included
	Vapor Temperature Indicator	N/A	Part No. TA-300	Included	Included

Additional Accessories



WP - 15/25

The WP series aspirator pumps are a great alternative to the standard oil vacuum pump. The aspirator is ideal for experiments that require less vacuum conditions. The aspirator is easy to clean and maintain as it uses water instead of oil.

CF -300

This cool water circulator keeps the water in the condenser at a stable low temperature allowing ideal conditions for collecting the maximum amount of solvent.

