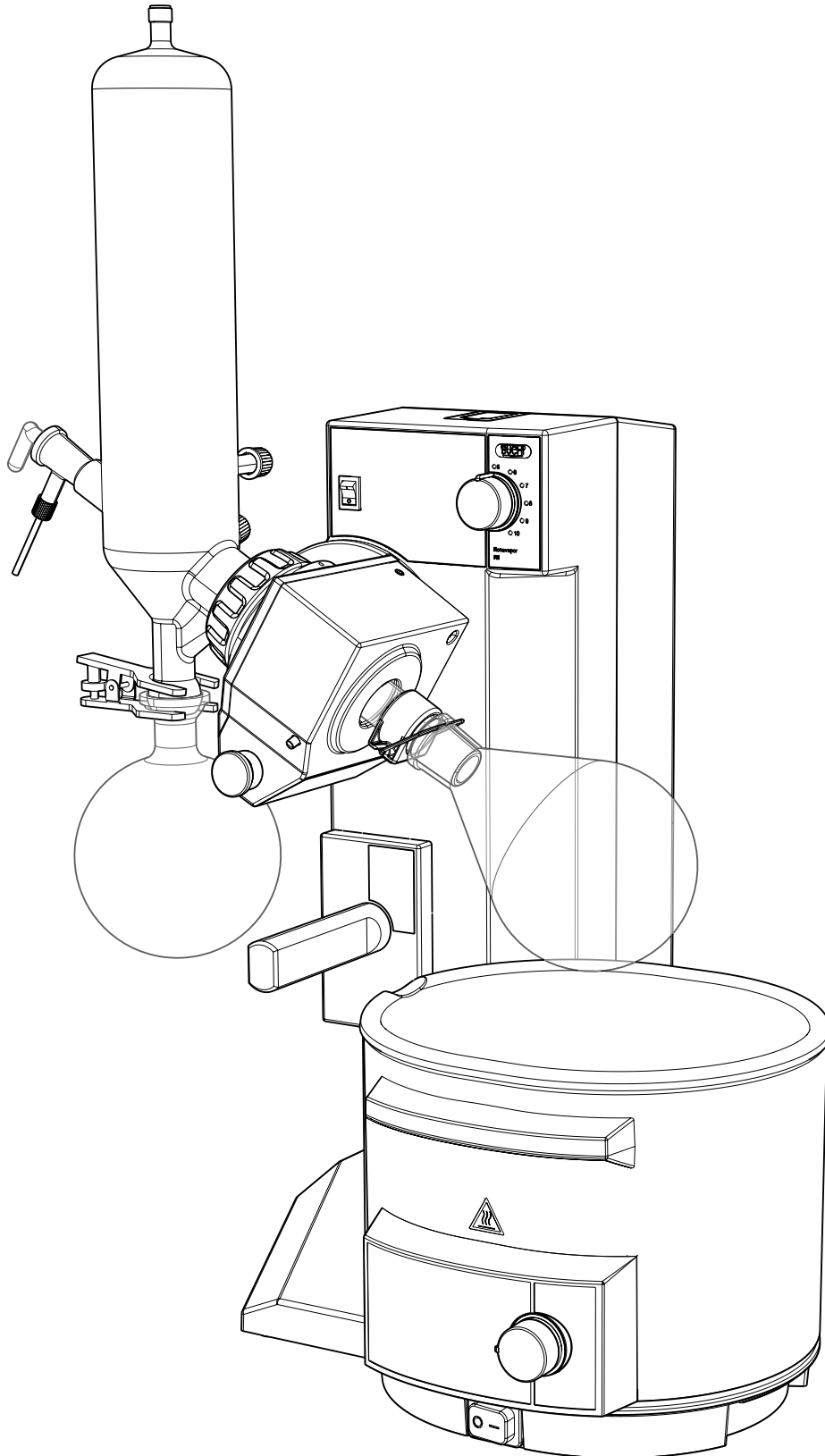




Rotavapor® R II

Technical data sheet

The evaporation of solvents is a routine process widely performed in the laboratory. It is therefore important that the instruments optimally support the user's working methods and match the conditions and needs of the laboratory.



Scope of delivery

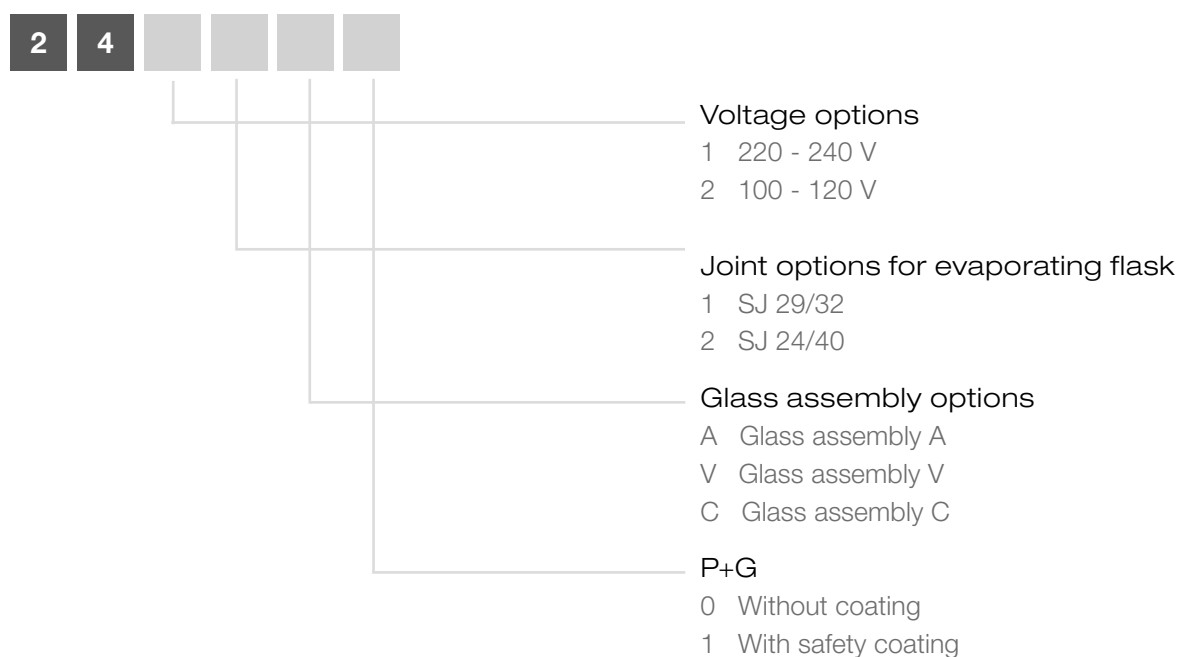
All models are delivered ready to use and are complete of:

Components	System with glass	System w/o glass
Rotavapor® R II	1	1
Heating bath	1	(1)
Condenser (according to order code)	1	-
Vapor duct (with Combi-Clip)	1	-
Vacuum seal (WD26)	1	-
Evaporating flask (1 liter)	1	-
Receiving flask (1 liter)	1	-
Flyer "List of solvents"	1	1
Flask holder	1	1

Order code

Choose the configuration according to your needs:

Systems with glass



Systems without glass

2	4	2	0	N	0	Rotavapor R II with bath, w/o glass, 100 - 120 V
2	4	1	0	N	0	Rotavapor R II with bath, w/o glass, 220 - 240 V
2	4	0	0	N	0	Rotavapor R II w/o bath and w/o glass, 100 - 240 V

Description of glass assemblies

Abbr.	Type / application	Cooling surface area
V	Vertical condenser For standard applications. The most common condenser.	0.146 m ²
C	Dry ice condenser For distillation of solvents with low boiling points. No cooling water is necessary.	0.05 m ²
A	Diagonal condenser For standard applications where height is limited.	0.146 m ²

Dimensions

	Dimensions (W x H x D)
Rotavapor R II with condenser (V or C) and with bath	600 x 840 x 420 mm
Rotavapor R II w/o condenser and with bath	550 x 575 x 415 mm

Technical data

	Rotavapor® R II (230 V)	Rotavapor® R II (115 V)
Weight (depending on glass assembly)	16 - 18 kg	16 - 18 kg
Operating voltage	220 - 240 V	110 - 130 V
Frequency	50/60 Hz	50/60 Hz
Power consumption	1700 W	1700 W
Heating Power	1300 W	1300 W
IP class	21	21
Stroke distance	145 mm	145 mm
Adjustable angle	0 - 25 °	0 - 25 °
Rotation speed	20 - 280 rpm	20 - 280 rpm
Flask size range	50 - 4000 mL	50 - 4000 mL
Maximum flask capacity	3 kg	3 kg
Controlled temperature range	20 - 95 °C	20 - 95 °C
Temperature regulation accuracy	± 5 °C	± 5 °C
Approval	CE / CSA	CE / CSA
Kettle connector between bath base and heating bath	Yes	Yes

Complementary products

See respective product brochures and technical data sheets for more information.

	Chiller F-100	Chiller F-105	Chiller F-108	Pump V-700	Pump V-710	Controller V-850	Controller V-855
R II	autono- mous	manually controlled	manually controlled	autono- mous	autono- mous	for pump/ chiller only	for pump/ chiller only
R II with V-850 / V-855	autono- mous	controlled	controlled	controlled	controlled		

Rotavapor accessories

	Order number
Manometer for manual vacuum adjustment For manual regulation of vacuum when using house vacuum, includes holder	047291
Protective shield for heating bath Effective user protection against splashing and implosions	048052
Top cover for heating bath To cover bath with a lid when not in use to save energy and less evaporation of heating medium	048230
Floating balls, 450 pcs. To reduce energy consumption of the heating bath (up to 100 °C, PP) and less evaporation of heating medium	036405
Flask holder Keeps the flask stable on the table, made of non-slipping EPDM	048618
Set flask holder, 5 pcs. Keeps the flask stable on the table, made of non-slipping EPDM	11059916
Vacuum seal WD26 Low abrasion vacuum seal in PTFE composite material	048021
PTFE inlet tap For feed of solution into evaporating flask	048100
Laboratory grease Glisseal 40 blue Tube 60 g	048197
Valve unit for vacuum controller Includes condensate trap and non-return valve, for Vacuum Controller V-850 / 855 incl. holder	047160
Vacuum valve for vacuum controller For use with a central vacuum source or uncontrolled pump, 24 V, 2.4 mm	031353
Water jet pump B-764, 24 V Simple principle of vacuum generation, without cooling water valve (1 magnetic valve and a FFKM back-stroke valve). Only in combination with Vacuum Controller	031358

	Order number
Water jet pump B-767, 24 V Simple principle of vacuum generation, with cooling water valve (2 magnetic valve and a FFKM backstroke valve). Only in combination with Vacuum Controller	031357
Standard stop-cock, SJ 18.8/38 For aeration	040627
Classic stop-cock, SJ 18.8/38 For aeration, less cross-contamination than standard stop-cock (040627).	000637
Stop-cock PTFE, SJ 18.8/38 For applications where grease should be avoided. Used instead of standard stop-cock (040627).	023896
Condensor holder complete Fits glass assemblies V and C	048180

Rotavapor glass assemblies

The following items have to be purchased in addition to a system that is ordered without glass.

	Order number
Glass assembly V complete Includes receiving flask (1 liter), required hoses and ball joint clamp, does not include evaporating flask and vapor duct	048172
Glass assembly V complete P+G safety coating Includes receiving flask (1 liter, P+G safety coating), required hoses and ball joint clamp, does not include evaporating flask and vapor duct	048173
Glass assembly C complete Includes receiving flask (1 liter), required hoses and ball joint clamp, does not include evaporating flask and vapor duct	048174
Glass assembly C complete P+G safety coating Includes receiving flask (1 liter, P+G safety coating), required hoses and ball joint clamp, does not include evaporating flask and vapor duct	048175
Cooling coil insert, replaces cold finger Includes the insert and the cold trap seal (PTFE-ring with 2 O-rings) and is used like a normal liquid-cooled condenser	027488
Glass assembly A complete Includes receiving flask (1 liter), required hoses and ball joint clamp, does not include evaporating flask and vapor duct	048170
Glass assembly A complete P+G safety coating Includes receiving flask (1 liter, P+G safety coating), required hoses and ball joint clamp, does not include evaporating flask and vapor duct	048171

Rotavapor glass accessories

All vapor ducts include Combi-Clip

	SJ 29/32	SJ 24/40	SJ 29/42	SJ 34/35	SJ 24/29
Vapor duct compatible with WD26					
Vapor duct for glass assembly A (285 mm)	048164	048165	048166	048167	
Vapor duct for glass assembly C and V (177 - 190 mm)	048160	048161	048162	048163	044444
Analytical* vapor duct for glass assembly C and V (200 - 210 mm)	050560	050561	050562	050563	
Vapor duct compatible with KD22	SJ 29/32				
Vapor duct for glass assembly C and V (180 mm)	045650				

*there is no liquid flowing back into the evaporating flask

Additional glassware

Additional glassware like evaporating flasks, drying flasks, receiving flasks, beaker flasks, Reitmeyer adapters (bump traps) and distillation spiders can be found in the glassware brochure.