Rotavapor® R-300
Évaporateur rotatif pratique et efficace

Le R-300 satisfait aux exigences les plus élevées en matière de praticité et de polyvalence. Sa conception modulaire permet d'étendre le Rotavapor® R-300 en un système entièrement intégré dans lequel l'interface centrale régule chacun des composants.

Pratique
Maniement ergonomique, Combi-Clip facile à utiliser et interaction intuitive avec l'utilisateur

Modulable et polyvalent
Mise à niveau de votre Rotavapor® R-300 individuel en un système entièrement intégré possible à tout moment

Reproductible
Contrôle précis du fonctionnement incluant tous les paramètres du processus

Rotavapor® R-300
Caractéristiques essentielles et avantages

reddot award 2016
winner

iF DESIGN AWARD 2016

GERMAN DESIGN AWARD SPECIAL 2016

Configurez votre système Rotavapor® individuel :
www.buchi.com/Rotavapor

Maniement ergonomique

Maniement ergonomique du système de montée/descente. Versions électronique et manuelle disponibles.

Contrôle direct de la vitesse de rotation

Ajustement immédiat de la vitesse de rotation en cas d'événement urgent ou inopiné grâce à un bouton de commande à disposition intuitive.

Combi-Clip

Le Combi-Clip breveté avec mécanisme de verrouillage permet la fixation du ballon d'évaporation d'une main.

Affichage intégré

La température du bain de chauffage, la vitesse de rotation et la position de montée/descente sont affichées sur l'écran intégré au bain de chauffage.

Interface additionnelle

Contrôle et régulation aisés de tous les paramètres du processus avec l'Interface I-300 ou I-300 Pro en option.
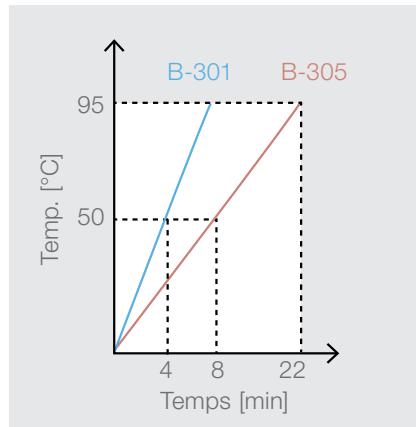
Assemblages en verre

Sept assemblages en verre différents permettent le traitement de multiples solvants, d'une gamme d'applications et d'échantillons divers.

Options du bain chauffant

Choisissez entre deux bains chauffants différents. Le B-301 pour le ballon d'1 L et une température maximale de 95 °C, pour un temps de mise en température extrêmement rapide. Pour les ballons jusqu'à 5 L et une température maximale de 220 °C, le B-305 couvre une gamme d'applications plus large.

B-301	B-305
4 min à 50 °C	8 min à 50 °C
P_{max} 1100 W	P_{max} 1300 W
Ballon de 1 L	Ballon de 5 L
T_{max} 95 °C	T_{max} 220 °C

R-300: Aperçu des principaux avantages

Pratique

· Retrait aisé du ballon et du conduit de vapeur grâce au Combi-Clip facile à utiliser
· Fonctionnement convivial grâce au mécanisme ergonomique de montée/descente électrique ou manuel
· Ajustement immédiat de la température de chauffage et de la vitesse de rotation grâce à des boutons de commande à disposition intuitive

Modulable et polyvalent

· Extension immédiate aisée au sein d'un système complet intégré incluant une interface centrale, une pompe à vide et un refroidisseur à circulation
· Choix entre un bain chauffant de 5 L à température élevée et un bain de chauffage rapide de 1 L
· Large gamme d'accessoires avantageux disponibles : sept assemblages en verre différents, écran de protection, couvercle pour bain chauffant, distillation automatique et système automatique de détection de mousse

Reproductible

· Régulation précise grâce à un écran d'affichage intégré de la température de chauffage, de la vitesse de rotation et de la position de montée/descente
· Traçabilité de tous les paramètres du processus, incluant l'enregistrement et la représentation graphique des données avec l'Interface I-300 Pro en option
· Alerte instantanée avec notification Push directe sur portables ou tablettes en cas de déviation du processus (avec l'Interface I-300 / I-300 Pro uniquement)

Complétez votre gamme de produits

Interface I-300 / I-300 Pro
Écran tactile centralisé pour le contrôle, l'enregistrement et la représentation graphique

Pompe à vide V-300
La source de vide économique et silencieuse

Refroidisseur circulaire F-305 / F-308 / F-314
La méthode de refroidissement efficace et économe en eau

Multivapor™ P-6 / P-12
Évaporation efficace pour plusieurs échantillons

www.buchi.com/laboratory-evaporation   Quality in your hands
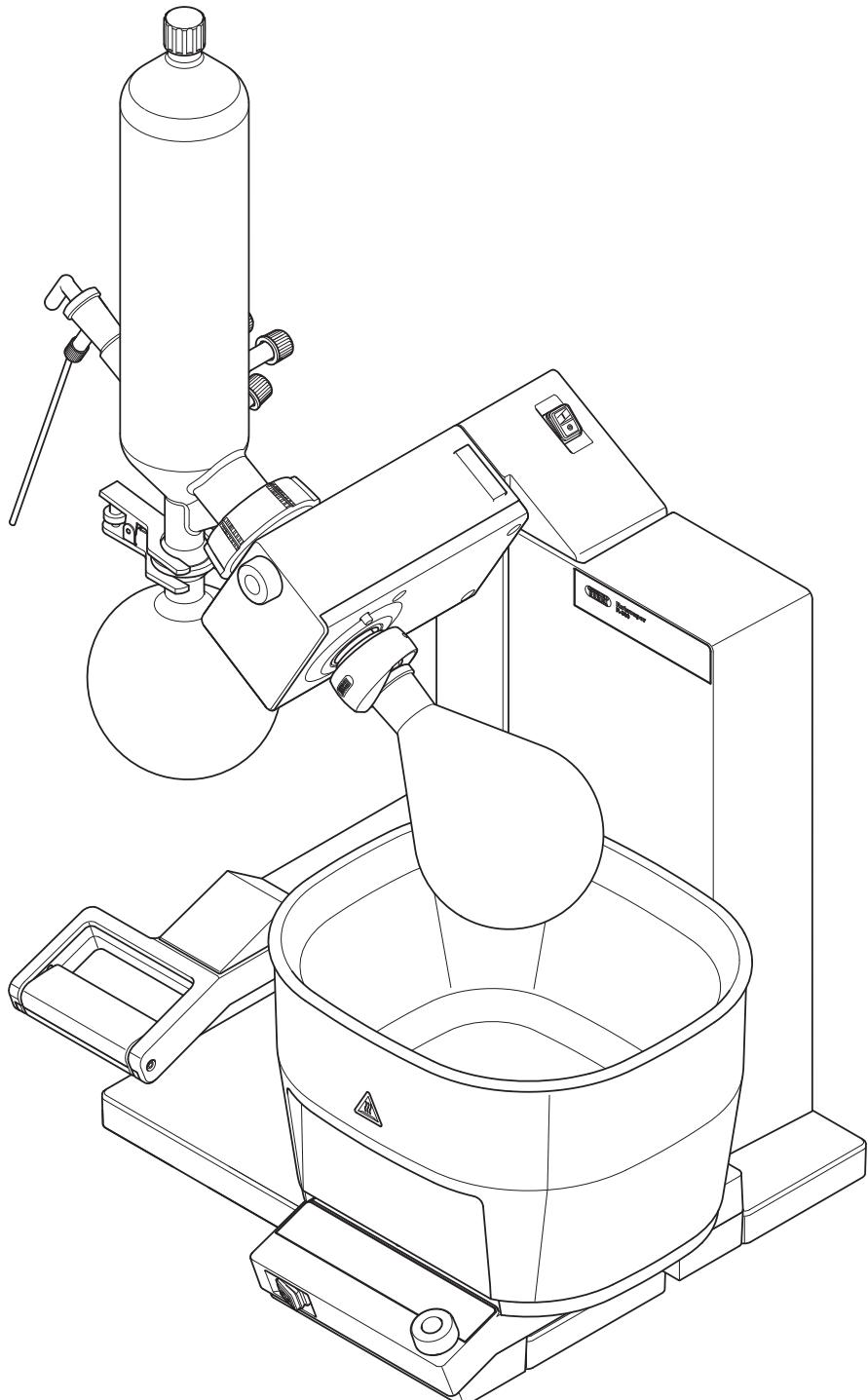
Rotavapor® R–300
Technical data sheet

The Rotavapor® R-300 meets the highest expectations in convenience and versatility for rotary evaporation. Its modular design allows for easy extension of the R-300 to a fully integrated system where a central interface regulates each component.

Overview of Rotavapor® R-300 stand-alone and systems configurations

	Stand-alone configuration	System configuration
Rotavapor® R-300 / R-300 Hand Lift**	1	1
Heating Bath B-301 / B-305**	*	1
Interface I-300 / I-300 Pro (incl. VacuBox)**	*	1
Vacuum Pump V-300	-	1
Recirculating Chiller F-305 / F-308**	-	*

* Optional, according to order code

** According to order code

Rotavapor® R-300

The Rotavapor® R-300 represents high reliability and convenience in laboratory rotary evaporation applications. The Rotavapor® R-300 is available with either an electronic or manual lift, and can optionally include the Heating Bath B-301 or B-305 and, a glass assembly of your choice and the Interface I-300 or I-300 Pro.

All accessories and connections are included for out of the box usage.

Order Code

Choose the configuration according to your needs:

| **1** | **1** | **R** | **3** | **0** | **0** | | | | | | | |

Lift System

1 Manual lift

2 Electronic lift

Heating Bath

0 Without

1 B-301: 20 – 95 °C (water),
   max. flask size: 1 L

5 B-305: 20 – 220 °C, max. flask size: 5 L

Standard Joint

0 Without (w/o evaporating flask, w/o vapor duct)

1 SJ 29/32 (incl. evaporating flask, vapor duct)

2 SJ 24/40 (incl. evaporating flask, vapor duct)

Glass Assembly

N Without (w/o receiving flask) [1]

V Vertical (incl. receiving flask)

A Diagonal (incl. receiving flask)

C Cold trap (incl. receiving flask)

S Vertical reflux (incl. receiving flask)

Protective Coating

0 Without [1]

1 Safety coating (P+G) [2]

Interface

0 Without

1 Without, with Woulff bottle

2 I-300, with Woulff bottle (incl. VacuBox)

3 I-300 Pro, with Woulff bottle (incl. VacuBox)

4 I-300, with valve unit (incl. VacuBox)

5 I-300 Pro, with valve unit (incl. VacuBox)

Voltage

1 220 – 240 V

2 100 – 120 V

[1] If glass assembly E, CR, HP or BY is required, for Glass Assembly select "N", for Standard Joint select either "1" or "2" and for Protective Coating select "0" (vapor duct and evaporating flask are included). Glass assembly E, CR, HP or BY need to be ordered separately.

[2] "Safety coating (P+G)" applies to condenser and receiving flask. PLASTIC+GLAS coating is sensitive to higher vapor temperatures.

Scope of delivery of Rotavapor® R-300 stand-alone configuration
All configurations are supplied ready to use.
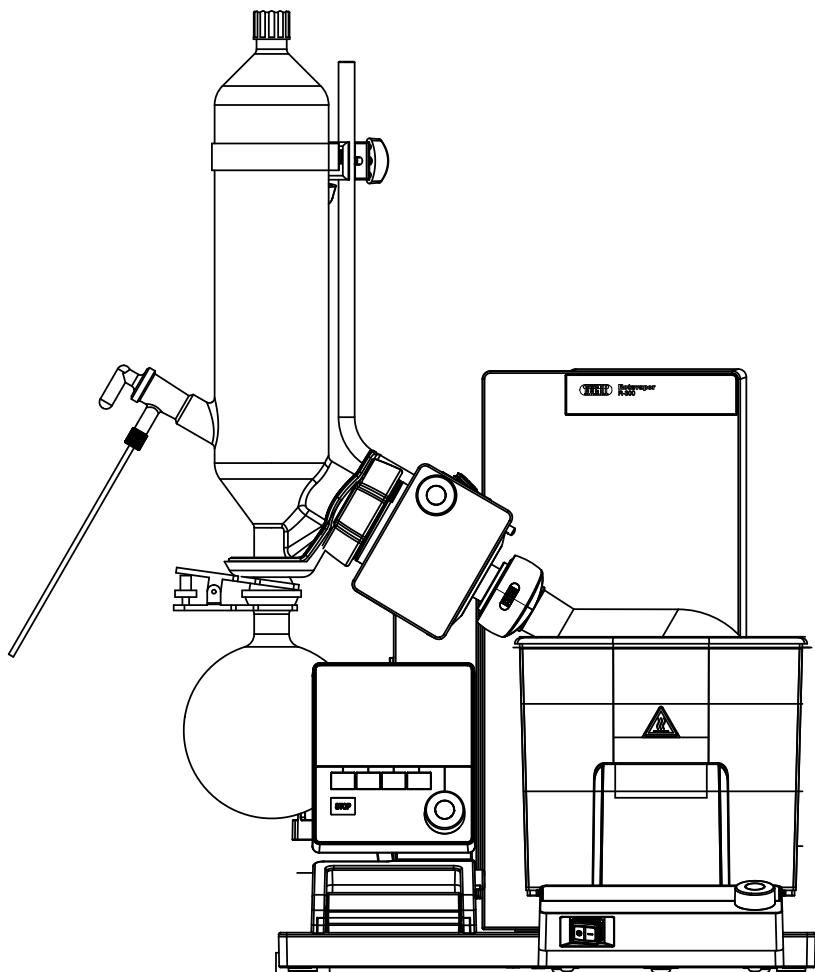
Components	Stand-alone configuration
Rotavapor® R-300 / R-300 Hand Lift**	1
Heating Bath B-301 / B-305**	*
Glass assembly**	*
Vapor duct (with Combi-Clip)	**
Vacuum seal VS26	1
Evaporating flask (1 liter)	**
Receiving flask (1 liter)	**
Flyer "List of solvents"	1
Power cable (1 for heating bath, 1 for Rotavapor®)	**
Set of required cooling tubings	**
Interface I-300 / I-300 Pro**	*
VacuBox	*
Communications cable. BUCHI COM 6 p	*

* Optional, according to order code
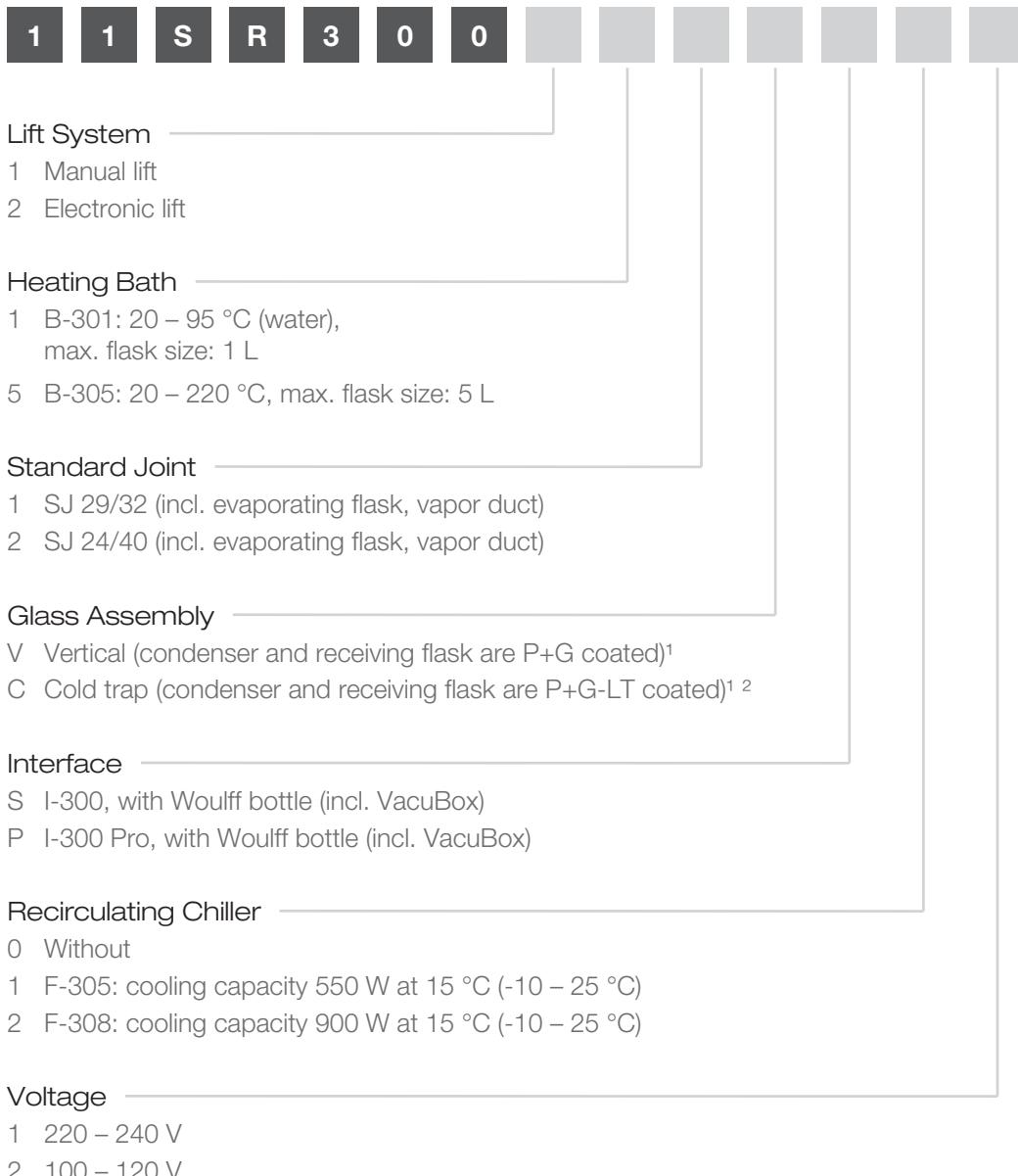
** According to order code

Rotavapor® R-300 system configuration

The rotary evaporator R-300 system meets the highest expectations in convenience and versatility. It is bundled with the Vacuum Pump V-300, controlled by the Interface I-300 / I-300 Pro and can include the Recirculating Chiller F-305 / F-308. The interface is the central control unit for all process parameters. Rotation speed, heating-, cooling-, vapor-temperature and pressure are perfectly synchronized to optimize the distillation process while increasing efficiency and convenience. All the Rotavapor® R-300 system configurations are P+G coated. All accessories and connections are included for out of the box usage.

Choose the configuration according to your needs:

| 1 | 1 | S | R | 3 | 0 | 0 | | | | | | | |

Lift System

1   Manual lift

2   Electronic lift

Heating Bath

1   B-301: 20 – 95 °C (water),
    max. flask size: 1 L

5   B-305: 20 – 220 °C, max. flask size: 5 L

Standard Joint

1   SJ 29/32 (incl. evaporating flask, vapor duct)

2   SJ 24/40 (incl. evaporating flask, vapor duct)

Glass Assembly

V   Vertical (condenser and receiving flask are P+G coated)[1]

C   Cold trap (condenser and receiving flask are P+G-LT coated)[1][2]

Interface

S   I-300, with Woulff bottle (incl. VacuBox)

P   I-300 Pro, with Woulff bottle (incl. VacuBox)

Recirculating Chiller

0   Without

1   F-305: cooling capacity 550 W at 15 °C (-10 – 25 °C)

2   F-308: cooling capacity 900 W at 15 °C (-10 – 25 °C)

Voltage

1   220 – 240 V

2   100 – 120 V

[1] PLASTIC+GLASS is sensitive to higher vapor temperatures

[2] When ordering the glass assembly C, a recirculating chiller is not needed

Scope of delivery of Rotavapor® R-300 system configuration
All configurations are supplied ready to use.
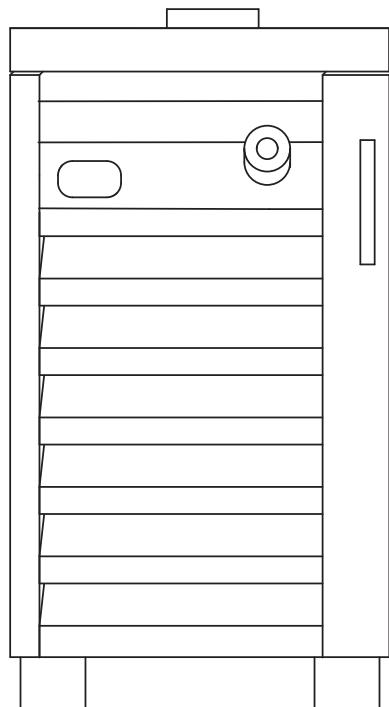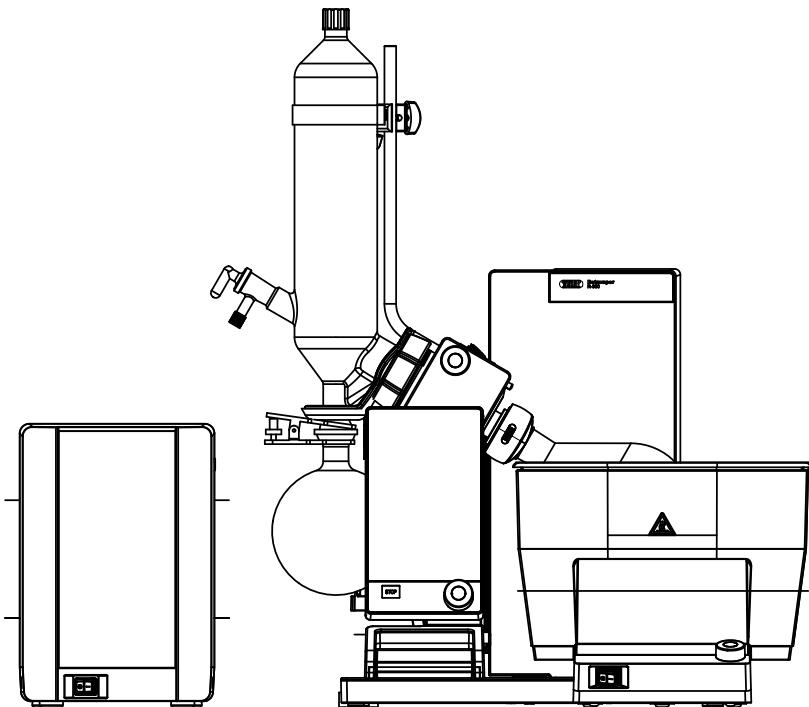
Components	System configuration
Rotavapor® R-300 / R-300 Hand Lift**	1
Heating Bath B-301 / B-305**	1
Glass assembly	1
Vapor duct (with Combi-Clip)	1
Vacuum seal VS26	1
Evaporating flask (1 liter)	1
Receiving flask (1 liter)	1
Flyer "List of solvents"	1
Set of required cooling and vacuum tubings	1
Set of required power cables	1
Interface I-300 / I-300 Pro**	1
VacuBox	1
Communications cable. BUCHI COM 6 p	*
Vacuum Pump V-300	1
Recirculating Chiller F-305 / F-308**	*
Communication cables are included	*

* Optional, according to order code

** According to order code

Technical data

Rotavapor® R-300

	Rotavapor® R-300
Dimensions (W x D x H) with glass apparatus V	607 x 429 x 947 mm
Dimension (W x D x H) Shipping box	700 x 590 x 605 mm
Weight	13.5 kg (electric lift) 13.0 kg (manual lift)
Power supply	100 – 240 VAC ± 10%
Power consumption	100 W
Frequency	50/60 Hz
Ingress protection rating	IP21
Immersion angle	10 – 50°
Vertical adjustment range	220 mm
Limit position detection adjustment range	170 mm (electric lift) 100 mm (manual lift)
Rotation speed range	10 – 280 rpm
Max. flask capacity	3 kg
Approval	CE/CSA

Heating bath base, B-300

	Rotavapor® R-300
Dimensions (W x D x H)	183 x 286 x 82 mm
Weight	0.8 kg
Power supply	100 - 120 VAC ± 10% 220 - 240 VAC ± 10%
Frequency	50/60 Hz
Power consumption (with bath)	1500 W
Ingress protection rating	IP21
Approval	CE/CSA

Heating bath
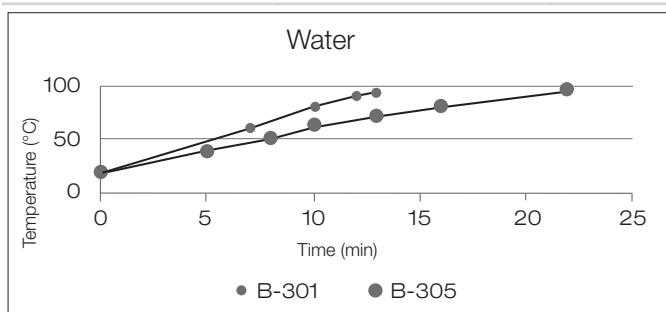
	Heating Bath B-301	Heating Bath B-305
Dimensions (W x D x H)	225 x 212 x 192 mm	307 x 275 x 202 mm
Weight	2.0 kg	4.2 kg
Power supply	100 - 120 VAC ± 10% 220 - 240 VAC ± 10%	100 - 120 VAC ± 10% 220 - 240 VAC ± 10%
Frequency	50/60 Hz	50/60 Hz
Power consumption	1250 W	1500 W

	Heating Bath B-301	Heating Bath B-305
Heating power	1100 W	1300 W
Ingress protection rating	IP21	IP21
Temperature range	up to 95 °C	up to 220 °C
Evaporating flask maximum size	1000 mL	5000 mL
Maximum bath capacity	2.3 L	5.5 L
Adjustment accuracy	± 1 °C	± 1 °C
Regulation precision	At 60 °C: ± 1 °C At 95 °C: ± 1 °C	At 60 °C: ± 1 °C At 95 °C: ± 1 °C At 180 °C: ± 3 °C At 220 °C: ± 4 °C
Heating fluid	Water	Water/Oil
Approval	CE/CSA	CE/CSA

Heating bath performance
Heating-up time of Heating Bath B-301 and B-305.

	Water		Oil (Ucon HTF 14)	
	50 °C	95 °C	180 °C	220 °C
B-301	4 min	13 min		
B-305	8 min	22 min	27 min	37 min

$\Delta T_{70\ °C\ (water)}$: B-301 -> 13 min; B-305 -> 22 min

Special features

Rotavapor® R-300

Firmware update	With the BUCHI Monitor App and BUCHI Bluetooth Dongle, firmware updates can be easily done by the user at no costs.
End stop positioner	Adjustable via button within a range of 170 mm (electronic) / 100 mm (manual) Prevents glass breakage and damages to heating bath pan
Multifunctional Combi-Clip	Tool for evaporating flask fixation and removal, as well as vapor duct release. Allows one handed flask removal
Immersion angle adjustable	Adjustable within 7-stages enables the use of different flask sizes, adjustable for individual application
Safety stop (electronic lift only)	Automatic operation stop by power failure Lifts flask automatically out of heating bath
2 lift speeds	Moves quickly until 2 cm above close to depth stop, it than moves slowly to depth stop Allows a smooth operation

Rotavapor® R-300

Earthquake safety	Lug on backside for bath and Rotavapor® Enables fixation on lab bench
Lift height indication	Position is digitally indicated on display of heating bath Allows reproducibility of parameter for future applications
Color code	Green cables indicate BUCHI communication cable, marked with "COM" Allows a simple understanding of set up and easy play & plug
Large top hole V-condenser	Top hole with screw cap (SVL22) Allows easy cleaning of condenser
Ergonomic handle	Electronic and manual version available Allows to conveniently change the position of lift
Display	Rotation speed (actual value), lift position (actual value) and heating bath temperature (set and actual value) displayed on the Heating Bath B-300 Base. Allows user to monitor all parameters at a glance.

Rotavapor® related patents

Name	Date of application	Number of patent
Condensate trap	2016/06/29	Pending
Rotary evaporator for use in laboratory, has base for holding heat bath, where base includes electrical two-way plug-in connection unit which is detachably connected with plug-in connection unit of heat bath	2005/09/27	DE 202005015235 U1
Height-adjustable support with holder and method of uncoupling the holder	2000/06/26	EP 1 484 112 EP 1 068 903 DE 1 068 903

Heating Bath B-301 / B-305

Universal use (B-305 only)	Useable for multiple applications up to 220 °C Allows the use of water and oil as a heating media
Overheat protection	Mechanical and electronic over-temperature control Cuts off power when actual exceeds set temperature and by rapid temperature increase
Carry handles	Two integrated laterally ergonomically designed carry handles Allows easy carrying for re-filling or emptying the heating bath, without the risk of burn
Bath guidance	Integrated in Heating Bath B-300 Base Allows an easy positioning of bath along horizontal axe, for individual application
Temperature limit fixation (B-305 only)	Prevents accidental change of set temperature (e.g. when water is used as heating media and maximal temperature is fixed at 95 °C)
Key-button locking functions	To lock the set temperature of the heating bath Prevents accidental change of set conditions during process
Infrared communication	Transition of heating bath data to interface Allows immaculate, fast communication
Kettle connection	Cordless bath Allows easy emptying and refilling of bath without unplugging

Heating Bath B-300 Base extendable	Functional with two different heating baths
	Allows the use of B-301 or B-305, adequate to application
LCD-display	Digital, displays all operating parameters
	Indicates set and actual values of heating bath temperature, rotation speed and lift position

Optional accessories

Protection shield	Special shaped, robust shield for user protection
	enables handling on evaporating flask while being protected
Top cover for heating bath	To cover B-305 when not in use to safe energy and for less evaporation of heating medium, no drip off, convenient handle prevents burning skin

Compatibility and communication requirements with R-300

Interface / Vacuum Controller	Compatibility	Communication requirements
I-300 / I-300 Pro	compatible	VacuBox
		2x Communication cable. BUCHI COM 6p:
		11058705 (0.3 m), 11058707 (1.8 m), 11058708 (5 m) or 11064090 (15 m)
I-100	-	-
V-850 / V-855	-	-
V-800 / V-805	-	-

Explanation of terms

compatible	Rotavapor® and vacuum controller/interface communicate with each other.
-	Connection not possible

A VacuBox is included when ordering Rotavapor® R-300 with an Interface I-300 or Interface I-300 Pro compatbility pack. Additional features for Rotavapor® R-300 are listed as follows.

Feature comparison
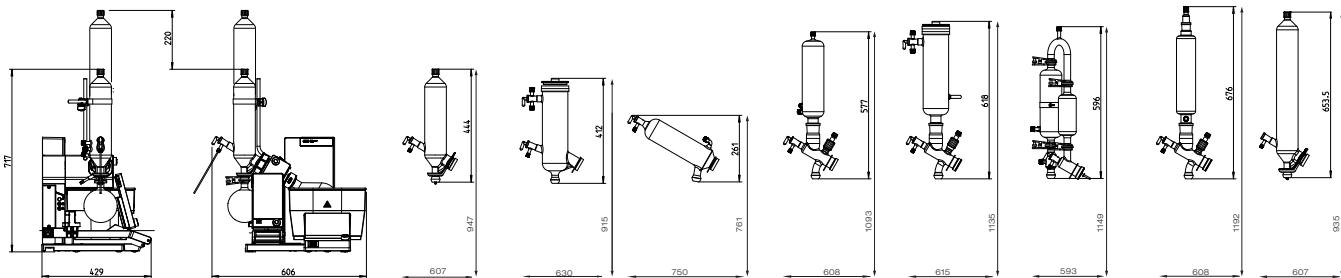
Features in combination with R-300	I-300 Pro	I-300	I-100	Old vacuum controllers (V-850 / V-855, V-800 / V-805)
Live data charting	●			
Digitally controlled lift position	●			
Data recording	●			
Guided operation (methods)	●			
Automatic ON/OFF rotation speed	●	●		
Automatic and manual up/down lift	●	●		
Display and setting rotation speed	●	●		
Display and setting bath temperature	●	●		
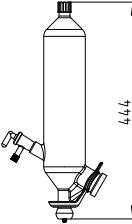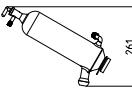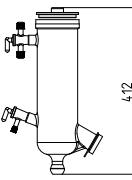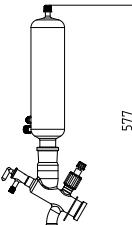
Features in combination with R-300	I-300 Pro	I-300	I-100	Old vacuum controllers (V-850 / V-855, V-800 / V-805)
Dynamic distillation (only when connected with Vacuum Pump and Recirculating Chiller)	●	●		
Remote monitoring with Monitor App	●	●		
ECO mode (shuts down Recirculating Chiller and Heating Bath)	●	●		
Automatic foam detection	●	●		
Management from a distance	●	●		
CloudDest (only when connected to a Vacuum Pump V-300)	●	●		
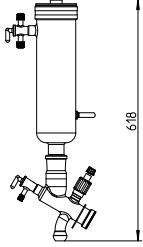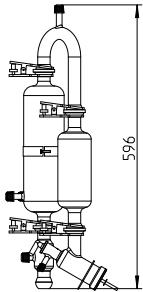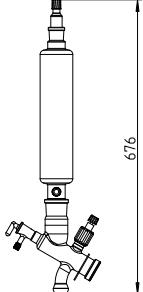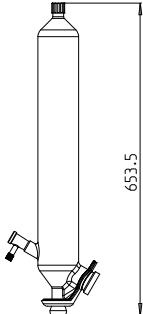
Accessories – Rotavapor® glass assemblies

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

All glass assemblies include a 1 liter receiving flask (corresponding to order code - either without coating, with P+G or P+G-LT), required hoses and a ball joint clamp. Evaporating flask, vacuum seal VS26, vapor duct and condenser holder are not included. All condensers allow feeding of the evaporating flask via stopcock.
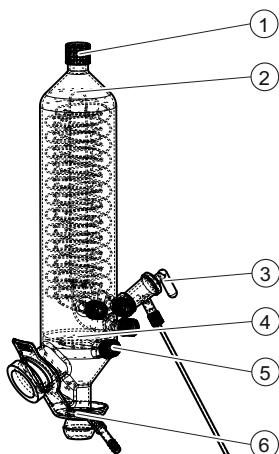
Name	Type / Application	Cooling Surface area (max.)	Order no.
Vertical: V	Vertical condenser • For standard applications, the most common condenser • Connection for vapor temperature sensor • Automatic distillation with Interface I-300 / I-300 Pro possible • Use of foam sensor possible • CloudDest feature possible with Interface I-300 / I-300 Pro, Rotavapor® R-300 and Vacuum Pump V-300	1500 cm^2	11062432 11062433 P+G
Diagonal: A	Diagonal condenser • For standard applications where height is limited	1500 cm^2	048168 048169 P+G
Cold trap: C	Dry ice condenser • For distillation of solvents with low boiling points • Maximum condensation of vapors • No cooling water needed, but i.e. dry ice or ice • Use of foam sensor possible	500 cm^2	040640 040642 P+G
Reflux: S	Vertical reflux condenser with shut-off valve • For combining reflux reaction and distillation • Connection for vapor temperature sensor • Automatic distillation with Interface I-300 / I-300 Pro possible • Use of foam sensor not possible	1500 cm^2	048290 048291 P+G-LT

Name	Type / Application	Cooling Surface area (max.)	Order no.
Cold trap reflux: CR	Dry ice condenser with shut-off valve • For combining reflux reaction and distillation For distillation of solvents with low boiling points • Maximum condensation of vapors • Connection for vapor temperature sensor • No cooling water needed, but i.e. dry ice or ice • Use of foam sensor not possible	500 cm^2	048292 048293 P+G-LT
Expansion: E	Descending condenser with expansion vessel • Ideal for distillations exhibiting foaming and "bumping" tendencies/products • Connection for vapor temperature sensor • Automatic distillation with Interface I-300 / I-300 Pro possible	1500 cm^2	11061112 11061113 P+G
Double jacket: BY	Vertical reflux condenser with double jacket for intensive condensation and with shut-off valve • Vertical intensive condenser with double jacket and distributor for particularly efficient condensation • For combining reflux reaction and distillation • For particularly efficient and intensive condensation • Connection for vapor temperature sensor • With an additional SJ 29/32 joint on top for flexible expansion • Use of foam sensor not possible	1300 cm^2	048176 048297 P+G
High performance: HP	High performance condenser for increased distillation rate • Double cooling capacity as standard V condenser • Enables distillation at lower pressure values and higher temperature differences • Reduces emissions of solvents • Reduces the wear of vacuum pump parts Compatible with: • AutoDest sensor • Foam sensor • Vapor temperature sensor • Condensate trap	3000 cm^2	11066561 11066562 P+G

For more information concerning the glass assemblies please check the "Laboratory Evaporation Glassware" brochure.

Features of the glass assemblies

1 Top inlet
  For easy cleaning of the condenser
2 Inner glass tube
  For reduced chimney effect upon vacuum applications
3 Stopcock (available for R-300, R-215, R-210, R-100, R-3; see FAQ)
  Used for aeration and feeding (by using the feeding hose)
4 Inner glass plate
  Prevention of solvent back flow
5 Connector for sensor
  For measurement of vapor temperature during distillation
6 Condensate trap

Characteristics	V	C	A	CR	S	E	BY	HP
Top inlet	• (SVL22; extra large)		•		•	•	•	• (SVL22; extra large)
Inner glass tube	•				•			•
Flask feeding via stopcock possible	•	•	•	•	•	•	•	•
Inner glass plate	•							•
Connector for vapor temperature sensor	•				•	•	•	•
Condenser holder	o[1]	o[1]	o[1]	o[1]	o[1]	•	o[1]	• (048180)
Reflux possibility (part included)				•	•		•	
Condensate trap	•							•
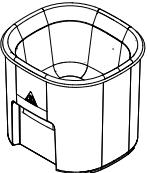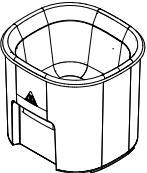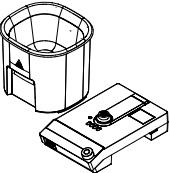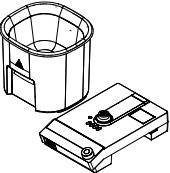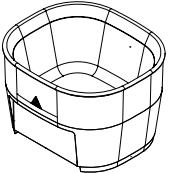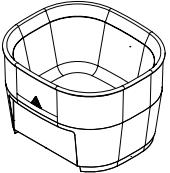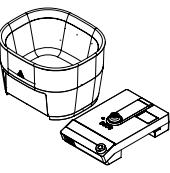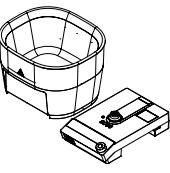
o is optional   • is included   [1] Condenser holder cpl. (048180) is recommended

Accessories
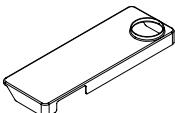
Heating baths

	Order no.	Image
Heating Bath B-301, 110V, not incl. Base B-300 For up to 1 Liter evaporating flasks. For temperatures up to 95°C. Meant to be used with water as heating media.	11B301002	
Heating Bath B-301, 230V, not incl. Base B-300 For up to 1 Liter evaporating flasks. For temperatures up to 95 °C. Meant to be used with water as heating media.	11B301001	
Heating Bath B-301, 110V, incl. Base B-300 For up to 1 Liter evaporating flasks. For temperatures up to 95 °C. Meant to be used with water as heating media.	11B301102	
Heating Bath B-301, 230V, incl. Base B-300 For up to 1 Liter evaporating flasks. For temperatures up to 95 °C. Meant to be used with water as heating media.	11B301101	
Heating Bath B-305, 110V, not incl. Base B-300, 110V For up to 5 Liter evaporating flasks. For temperatures up to 220 °C. Meant to be used with water or oil as heating media.	11B305002	
Heating Bath B-305, 230V, not incl. Base B-300 For up to 5 Liter evaporating flasks. For temperatures up to 220 °C. Meant to be used with water or oil as heating media.	11B305001	
Heating Bath B-305, 110V, incl. Base B-300 For up to 5 Liter evaporating flasks. For temperatures up to 220 °C. Meant to be used with water or oil as heating media.	11B305102	
Heating Bath B-305, 230V, incl. Base B-300 For up to 5 Liter evaporating flasks. For temperatures up to 220 °C. Meant to be used with water or oil as heating media.	11B305101	

	Order no.	Image
Heating Bath B-305, 110V, for R-21x, incl. Base For up to 5 Liter evaporating flasks. For temperatures up to 220 °C. Meant to be used with water or oil as heating media. Included: Adapter for Rotavapor® R-21x.	11B305112	
Heating Bath B-305, 230V, for R-21x, incl. Base For up to 5 Liter evaporating flasks. For temperatures up to 220 °C. Meant to be used with water or oil as heating media. Included: Adapter for Rotavapor® R-21x.	11B305111	

Heating bath accessories

	Order no.	Image
Adapter B-300. For Heating Bath B-305 Required when Heating Bath B-305 is used with a Rotavapor® R-210, R-215 or R II. Not compatible with Heating Bath B-301.	11061317	
Dewar accessory, set. Incl. Dewar container and adapter For sample preparation in freeze drying. To be used with dry ice and ethanol / isopropanol / acetone or separately with liquid nitrogen. Compatible with Heating Bath B-300 (not plugged in during operation) and Rotavapor® R-300.	11066662	
Dewar container, not incl. adapter For sample preparation in freeze drying. To be used with dry ice and ethanol / isopropanol / acetone or separately with liquid nitrogen. To be used only with adapter, Heating Bath Base B-300 (not plugged-in during operation) and Rotavapor R-300.	11066645	
Lid. For Heating Bath B-305 To save energy and to minimize loss of water when heating bath is not in use.	11059500	
Protection shield, Operator protection for heating bath For Heating Bath B-301 and B-305. Material: 4 mm thick PMMA.	11061402	
Splash shield, Operator protection against splashes For Heating Bath B-301 and B-305. Material: 6 mm thick polycarbonate.	11064768	

	Order no.	Image
Protective cover. For Heating Bath B-300 base Used for protection of the heating bath display.	11064111	
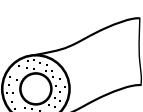
Further accessories heating baths

	Order no.
Heating bath balls. 450 pcs., PP, Ø10 mm To reduce energy consumption of heating bath and for less evaporation of the heating medium. For temperatures up to 100 °C.	036405
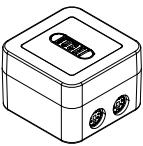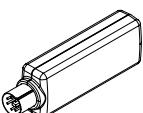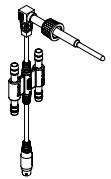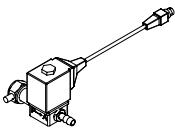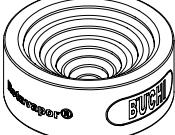
Tubing
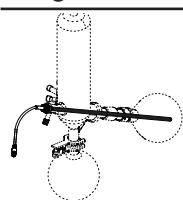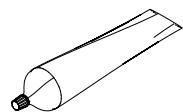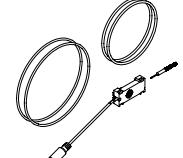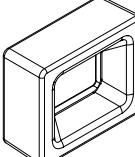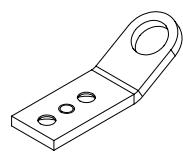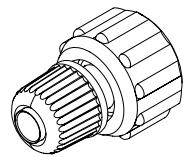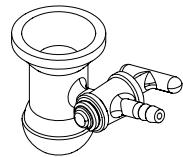
	Order no.
Tubing. FEP, Ø6/8 mm, transparent, per m Use: Vacuum, cooling media.	027900
Tubing. Natural rubber, Ø6/16 mm, red, per m Use: Vacuum.	017622
Tubing. Nylflex, PVC-P, Ø8/14 mm, transparent, per m	004113
Tubing. PTFE, Ø4.7/5.5 mm, transparent, 330 mm Use: To introduce solvent into evaporating flask during distillation.	000646
Tubing. PTFE, Ø4.7/5.5 mm, transparent, 460 mm Use: To introduce solvent into evaporating flask during distillation.	000643
Tubing. PTFE, Ø8/10 mm, white, per m Use: Vacuum, feeding (industrial Rotavapor®).	027277
Tubing. Silicone, Ø6/9 mm, transparent, per m Use: Cooling media.	004133
Tubing. Synthetic rubber, Ø6/13 mm, black, per m Use: Vacuum.	11063244
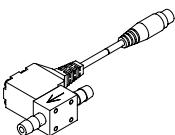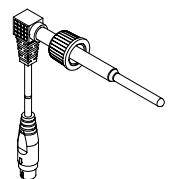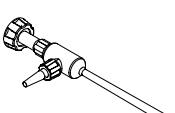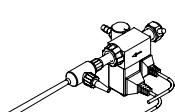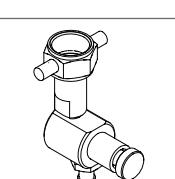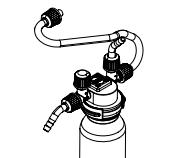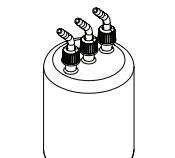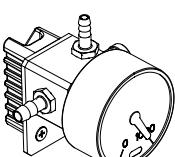
Insulation tubing

|	Order no.	Image
Hose insulation, Kaiflex, 11/23 mm, 1 m, black	028696	

Further accessories

|	Order no.	Image
StatusLight cpl., incl. communication cable Indicates the status of the instrument (instrument is ready to use, has an error or is in operation).	11068959	
BUCHI Bluetooth® Dongle, connects instrument to smartphone via Bluetooth® Needed for firmware updates, eSupport or quoting wear parts.	11067770	
AutoDest sensor. Incl. cap nut, seal GL14 For automatic distillation. Measures temperature of cooling media and the vapor temperature. Vacuum is adjusted according to cooling capacity of condenser. Meant to be used with the Interface I-300 / I-300 Pro and glass assembly V, HP or S.	11059225	
Condensate trap. Condenser V and HP, grey, TPE, hose connector Ø8 mm. Collects and drains condensate which may accumulate on the condenser.	11062955	
Condensate trap. Condenser V and HP, green, TPE, hose connector Ø8 mm. Collects and drains condensate which may accumulate on the condenser.	11061985	
Cooling water valve. 24VAC Valve opens cooling water feed during distillation. Meant to be used with a vacuum controller/interface.	031356	
Extraction thimbles, Set. 25 pcs, 43 x 118 mm, cellulose For Soxhlet extraction unit.	018106	
Flask holder. EPDM, slip free Holder for round-bottom flasks (50-5000 mL).	048618	
Flask holders, set. 5 pcs., EPDM, slip free Holder for round-bottom flasks (50-5000 mL).	11059916	

	Order no.	Image
Foam sensor. Incl. holder Prevents sample from foaming into the condenser by aeration of system temporarily. Meant to be used with the Interface I-300 / I-300 Pro.	11061167	
IQ/OQ. R-300 en Official BUCHI documents.	11063608	
Lab grease. Glisseal 40 (60 g) To grease joints in order to increase tightness of system.	048197	
Level sensor. Incl. O-ring, cable, rubber band Prevents an overflow in the receiving flask of condenser/secondary condenser. Placed on receiving flask. Meant to be used with the Interface I-300 / I-300 Pro.	11060954	
Repeating OQ. R-300 en Official BUCHI documents.	11063609	
Power plug fixation. For R-300 Used to fixate the power plug into Rotavapor®.	11063710	
Set earthquake fastener. Lug for backside To fasten device on lab bench.	11062386	
Thread adapter. For vacuum connection, SVL22/GL14 Use: To switch vacuum connection from a Rotavapor® to Syncore® vacuum distributor (037686).	040871	
Vacuum connection. Incl. drain valve, hose barb Ø 8 mm, BJ35/20 Connection piece for aeration of the system, placed between condenser and receiving flask.	001006	

	Order no.	Image
Vacuum valve. Magnetic valve, 24V/4W, Mini-DIN, 1.5 m Flow valve without flask, meant to be used with a centralized vacuum source or an unregulated vacuum pump. Meant to be used with the Interface I-300 / I -300 Pro.	11060706	
Vapor temperature sensor. Incl. cap nut, seal GL14 Measures the vapor temperature inside the system. Meant to be used with the Interface I-300 / I-300 Pro.	11060707	
Water jet pump. Plastic Used when tap water is used to generate vacuum.	002913	
Water jet pump, B-767: Magnetic valve (2 pcs.), FFKM, 24V Used when tap water is used to generate vacuum. Inclusive: Cooling water valve. Meant to be used with a vacuum controller/interface.	031357	
Water regulation nozzle. Flow regulator, incl. hose clamp, sieve Used when tap water is used to generate vacuum. Reduces water consumption.	011606	
Woulff bottle. 125 mL, P+G, incl. holder For trapping particles and droplets and for pressure equalization.	11059905	
Woulff bottle. 3-neck, 800 mL, P+G. For trapping particles and droplets and for pressure equalization.	025519	
Manometer with needle valve. Incl. vacuum gauge, not incl. holder	047391	

Accessories for glass assemblies

	Order no.	Image
Condenser holder.For glass assembly V/HP/C/S/CR/BY Content: Holding rod, rubber band, cross sleve.	048180	
Condenser holder. For Glass assembly E Content: Holding rod, bride, cross sleeve.	048181	
Extraction unit Soxhlet, 200mL, incl. extraction part, reduction part For Soxhlet extraction applications with a Rotavapor® R-300. Meant to be used with glass assembly S. Condenser holder is included.	011744	
Extraction unit Soxhlet, 500mL, incl. extraction part, reduction part For Soxhlet extraction applications with a Rotavapor® R-300. Meant to be used with glass assembly S. Condenser holder is included.	011745	

Stopcocks

|	Order no.	Image
For condenser C/CR, glass, SJ18.8/38 For aeration of the system. For cold trap outer part.	040628	
Professional, glass, SJ18.8/38 For aeration of the system. Less cross-contamination compared to standard-stopcock (040627).	000637	
PTFE, incl. 3-way valve For feeding of solvents and aeration of the system. For applications when grease should be avoided. Used instead of standard-stopcock (040627). Content: Inlet tubing 300mm, backfeed tubing 600mm, cap nut GL10.	11058814	
Standard, glass, SJ18.8/38 For aeration of the system.	040627	

Wearing parts
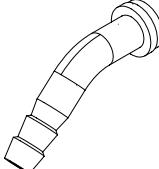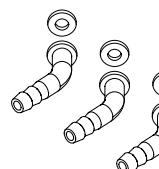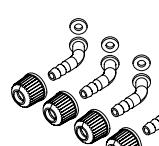
Vacuum seal
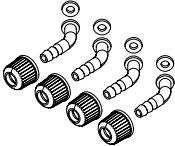
|	Order no.
Vacuum seal VS26, PTFE base, NBR O-ring, FDA-complaint	11069167

Seals
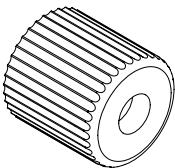
|	Order no.
For cap nut GL14 to FEP, EPDM	038225
Set. 10pcs, for hose barbs GL14, EPDM, black	040029
Set. 10pcs, for hose barbs GL14, FPM, green	040040
Set. 20pcs, for hose barbs GL14, silicone, red	040023

Hose barbs

	Order no.	Image
Hose barb. Bent, GL14, incl. silicone seal	018916	
Hose barbs, set. 2 pcs, bent (1), straight (1), GL14, silicone seal Content: Hose barbs, cap nuts, seals	041939	
Hose barbs. set. 3 pcs, bent, GL14, silicone seal Content: Hose barbs, seals.	041987	
Hose barbs, set. 4 pcs, bent GL14, silicone seal Content: Hose barbs, cap nuts, seals	037287	
Hose barbs. set. 4 pcs, bent, GL14, EPDM seal Content: Hose barbs, cap nuts, seals.	043129	
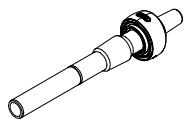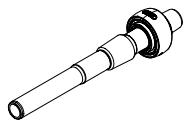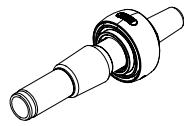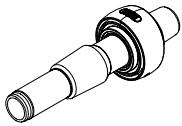
	Order no.	Image
Hose barbs. set. 4 pcs, bent, GL14, FEP seal Content: Hose barbs, cap nuts, seals.	040295	
Hose barbs. set. 4 pcs, straight, GL14, EPDM seal Content: Hose barbs, cap nuts, seals.	043128	
Hose barbs. set. 4 pcs, straight, GL14, FPM seal Content: Hose barbs, cap nuts, seals.	040296	
Hose barbs, set. 4 pcs, straight, GL14, silicone seal Content: Hose barbs, cap nuts, seals	037642	
Hose barbs. set. 6 pcs, bent (4), straight (2), GL14, silicone seal Content: Hose barbs, cap nuts, seals.	038000	

Miscellaneous wearing parts

	Order no.	Image
Cap nut. Screw cap with hole GL10	023875	
Cap nuts, set. 10 pcs, screw cap with hole GL14, seal EPDM Content: Cap nuts, seals	041999	
Cap nuts. set. 10 pcs, screw cap with hole, GL14	041956	

	Order no.	Image
Hose, set. Incl. GL14 set, FEP tube 11061756 Used to connect VacuBox and Valve unit/Woulff bottle when both are fixed on the Rotavapor® R-300.	11065373	
O-ring. FKM, 40.9/2.6 mm, for reflux insert	048078	
O-ring. FPM, for cap nut GL10, Ø3.00/2.70 mm	023900	
Screw caps. set. 5 pcs, GL14	040624	
Screwing set, Hose barbs and seals GL14 Content: Hose barbs bent 4 pcs, hose barbs straight 1 pc, cap nuts 4 pcs, screw caps 2 pcs, seals EPDM 3 pcs.	11061921	

Rotavapor® glass accessories – Vapor ducts

Vapor ducts compatible with VS26 (incl. Combi-Clip)*

SJ	29/32	24/40	29/42	24/29
For glass assembly V, C, S, E, CR, BY, HP	11062186	11062187	11062464	11062909
For glass assembly A	11062267	11062268	11062269	
For glass assembly V, C, HP (analytical)	11062465	11062466	11062467	
Vapor duct with frit, Ø 26 mm, SJ29/32, incl. Combi-Clip For powder drying. To prevent powder from getting into the condenser. For glass assembly V, C, S, E, BY, HP and CR.	11057297			
For high temperatures 29/32, short cpl. Content: Combi clip, vapor duct HT, ring NS 34/32 on 30/32	11061837			

*Single Combi-Clip: 11059770

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 Laboratory Evaporation Glassware brochure.