

PURIFLASH® R-VAP

Your laboratory rotary evaporator.
Super intuitive.
Ultra-efficient.
Simply indispensable.



 **Advion Interchim**
scientific

PRESENTATION

Evaporation & Concentration of your samples



With the puriFlash® R-Vap, concentrating your samples is a snap!
With its robust and versatile technology, the puriFlash® R-Vap gives you maximum flexibility by allowing you to evaporate your solvents in flasks up to 3L.

Its two-step operation is extremely simple and intuitive:

- Place your sample to be concentrated in the flask,
- Start the vacuum evaporation process.

Rely on its undoubtable efficiency! In a few moments, your solvent is evaporated and collected by condensation and your sample is ready for analysis.

The puriFlash® R-Vap will also prove to be the instrument of choice for processing your fractions collected by our purification systems.

Benefit from all the high quality requirements of Advion Interchim Scientific with this rotary evaporator as compact as its price.

A laboratory essential that will be with you every day, for a very long time.



PRODUCT DETAILS

puriFlash® R-Vap is at your side,
optimizing concentrations and evaporations from start to finish



Whatever your field of activity (Research, Development, Quality control, Process), the puriFlash® R-Vap will become an essential instrument in your laboratory. The puriFlash® R-Vap is much more than a simple solvent evaporator thanks to a complete modular configuration and a wide range of accessories available.



EVAPORATIVE PERFORMANCE

Conditions



Solvent: ethyl acetate

Boiling point: 77.1°C

Volume: 100mL

Vacuum pressure: 150mbar

Heating temperature: 40°C

Cooling temperature: 5°C

	Competitor	puriFlash® R-Vap
Evaporation time (complete drying)	15 minutes	12.5 minutes

RSD Evaporation time - puriFlash® R-Vap (5 sample evaporations): <0.5%

TECHNICAL SPECIFICATIONS

puriFlash® R-Vap Rotary evaporator



Main Unit - Technical Specifications

Flask capacity	Up to 3L
Rotation speed range	20-300 RPM
Display	LCD
Rotation	Clockwise / Counterclockwise
Lift mode	Manual
Vertical adjustment	160mm
Immersion angle	0° to 60°
Condenser column	Vertical type - 1.200cm ² (optional 1.500cm ²)
Glass grade	Borosilicate glass material
Evaporation sample flask - connection size	29/32
Receiving waste flask - connection size	35/20
Seal	FKM/PTFE
Weight	15Kg
Dimensions (WxDxH) - with glass	51x43.5x81cm
Motor power	40W
Power supply / Frequency	230V ± 10% - 50/60Hz ± 5% 110V ± 10% - 50/60Hz ± 5%
Fuse	5A
Approval	CE EN 61326-1:2013 2014/35/EC 2014/30/EC RoHS Directive 2011/65/EC



TECHNICAL SPECIFICATIONS

puriFlash® R-Vap Heating bath



Heating Water Bath - Technical Specifications

Temperature range	Ambient to 230°C
Temperature control mode	PID Digital display
Timer	yes
Overheat cut-off protection temp.	yes
Temperature accuracy	± 1°C water - ± 2°C oil
Volume capacity	5L
Bath material	304 Stainless Steel PTFE coated
Weight	3.6Kg
Dimensions (WxDxH):	38x29x22.5cm
Heating power	1300W
Power supply / Frequency	230V ± 10% - 50/60Hz ± 5% 110V ± 10% - 50/60Hz ± 5%
Fuse	10A
Approval	CE EN 61326-1:2013 2014/35/EC 2014/30/EC RoHS Directive 2011/65/EC



PART NUMBERS

puriFlash® R-Vap

Rotary evaporator
& Heating bath



puriFlash® R-Vap

Part number	Description
REAA10	puriFlash® R-Vap Manual Lift Vertical Condenser 220-240V
REAA11	puriFlash® R-Vap Manual Lift Vertical Condenser 110-120V

Pack puriFlash® R-vap & Vacuum pump

Part number	Description
REAA00-KIT	Kit puriFlash® R-Vap Manual lift (REAA10) + Pump P020 (VPAA10) 220-240V
REAA01-KIT	Kit puriFlash® R-Vap Manual lift (REAA11) + Pump P020 (VPAA11) 110-120V

Packing list delivered with the puriFlash® R-Vap

(1) Evaporation Flask 1000mL volume - 29/32 connection size with plastic clamp (P/N: B4RE90); (1) Receiving Flask 1000mL volume - 35/20 round connection size with stainless steel clamp (P/N: REAC10); (1) Vertical condenser 1200cm² (P/N: REAA40); (1) Heating bath 5L; (1) Power cord (EU: 220-240V ou US: 110-120V; other power cord on demand)



TECHNICAL SPECIFICATIONS

puriFlash® C-500

Cooling system Chiller

Reduce your water consumption



Main Unit - Technical Specifications

Temperature range	-5°C to 35°C
Temperature stability	± 0.3°C
Display	PID Digital display
Cooling capacity	500W at 25°C
Pump capacity	3L/min at 10psi
Pump type	Magnetically driven
Liquid tank capacity	2.5L
Refrigerant	R134A
Weight	29Kg
Dimensions (WxDxH)	25x48x49cm
Pump power	25W
IP Degree	20
Power supply / Frequency	230V ± 10% - 50Hz ± 5% 115V ± 10% - 60Hz ± 5%
Fuse	10A
Approval	CE EN 61010-1:2010 EN 61326-1:2013 2014/35/EC 2014/30/EC 2011/65/EC 015/863/EC RoHS Directive 2011/65/EC



PART NUMBERS

puriFlash® C-500

Cooling system Chiller

Reduce your water consumption



Part number	Description
CHAA00	puriFlash® C-500 - 5°C + 35°C 500W 220-240V
CHAA01	puriFlash® C-500 - 5°C + 35°C 500W 110-120V

Packing list delivered with puriFlash® C-500

- (1) Set connectors with different sizes
- (1) Power cord (EU: 220-240V ou US: 110-120V; other power cord on demand)



TECHNICAL SPECIFICATIONS

puriFlash® P-020 Vacuum pump



Main Unit - Technical Specifications

Vacuum flow	18L/min
Maximum vacuum pressure	20mbar
Vacuum control	yes - manual vacuum regulator
Vacuum manometer	yes
Weight	7.6Kg
Dimensions (WxDxH)	18x31x24cm
Pump power	140W
IP Degree	21
Power supply / Frequency	"230V ± 10% - 50Hz ± 5% 110V ± 10% - 60Hz ± 5%"
Fuse	10A
Approval	"CE EN 61010-1:2010 EN 61326-1:2013 2014/35/EC 2014/30/EC 2011/65/EC RoHS Directive 2011/65/EC"



PART NUMBERS

puriFlash® P-020

Vacuum manometer included Built-in with manual vacuum regulator



Part number	Description
VPAA10	puriFlash® P-020 18LPM 20mbar 220-240V
VPAA11	puriFlash® P-020 18LPM 20mbar 110-120V

Packing list delivered with puriFlash® P-020

(1) Tube 1.2m; (1) Power cord (EU: 220-240V ou US: 110-120V); other power cord on demand.

Solvent trap

Recommended for vacuum pump

Part number	Description
B68QTO	Gas washing bottle with drechsel bottle head without filter disc 500mL for puriFlash® R-Vap
BH4RJ0	Gas washing bottle with drechsel bottle head with filter disc 500mL for puriFlash® R-Vap



ACCESSORIES

Part Number	Description
REAA40	Vertical Condenser Column 1200cm ² condensing surface for puriFlash® R-Vap
REAA50	Diagonal Condenser Column 1200cm ² condensing surface for puriFlash® R-Vap
REAA60	Vertical Condenser Column 1500cm ² condensing surface for puriFlash® R-Vap
REAA70	Diagonal Condenser Column 1500cm ² condensing surface for puriFlash® R-Vap
REAA80	Secondary Condenser Column plus 250mL Receiving Flask for puriFlash® R-Vap

Part Number	Description
REAA90	Liquid Bath Safety Shield for puriFlash® R-Vap

Part Number	Description
REAB00	Evaporation Flask 50mL volume - 29/32 connection size for puriFlash® R-Vap
B68FT0	Evaporation Flask 100mL volume - 29/32 connection size for puriFlash® R-Vap
B68FT1	Evaporation Flask 100mL volume - 29/32 connection size for puriFlash® R-Vap
B4RE70	Evaporation Flask 250mL volume - 29/32 connection size for puriFlash® R-Vap
B4RE71	Evaporation Flask 250mL volume - 29/32 connection size for puriFlash® R-Vap
B4RE80	Evaporation Flask 500mL volume - 29/32 connection size for puriFlash® R-Vap
B4RE81	Evaporation Flask 500mL volume - 29/32 connection size for puriFlash® R-Vap
B4RE90	Evaporation Flask 1000mL volume - 29/32 connection size for puriFlash® R-Vap
B4RE91	Evaporation Flask 1000mL volume - 29/32 connection size for puriFlash® R-Vap
REAB10	Evaporation Flask 2000mL volume - 29/32 connection size for puriFlash® R-Vap
REAB20	Evaporation Flask 3000mL volume - 29/32 connection size for puriFlash® R-Vap



ACCESSORIES

Part Number	Description
REAB30	Heart-Shaped Flask - Volume: 50mL - Joint size 24/29 for puriFlash® R-Vap
REAB40	Heart-Shaped Flask - Volume: 100mL - Joint size 24/29 for puriFlash® R-Vap
REAB50	Heart-Shaped Flask - Volume: 50mL - Joint size 19/26 for puriFlash® R-Vap



Part Number	Description
REAB60	Trap Ball 100mL volume - 29/32 to 24/29 connection size for puriFlash® R-Vap



Part Number	Description
REAB70	Receiving Flask - Volume: 50mL - Joint size 35/20 for puriFlash® R-Vap
REAB80	Receiving Flask - Volume: 100mL - Joint size: 35/20 for puriFlash® R-Vap
REAB90	Receiving Flask - Volume: 250mL - Joint size: 35/20 for puriFlash® R-Vap
REAC00	Receiving Flask - Volume: 500mL - Joint size: 35/20 for puriFlash® R-Vap
REAC10	Receiving Flask - Volume: 1000mL - Joint size: 35/20 for puriFlash® R-Vap
REAC20	Receiving Flask - Volume: 2000mL - Joint size 35/20 for puriFlash® R-Vap



Part Number	Description
REAC30	50mL volume - n°5 flask connections - 29/32 to 24/29 connection size for puriFlash® R-Vap
REAC40	25mL volume - n°5 flask connections - 29/32 to 24/29 connection size for puriFlash® R-Vap
REAC50	19mL volume - n°5 flask connections - 29/32 to 19/29 connection size for puriFlash® R-Vap



ACCESSORIES

Part Number	Description
REAC60	Extension fitting for 50 to 250mL rotation flask for puriFlash® R-Vap
B68FS0	Reduction and expansion adapter 29/32 to 24/29 size for puriFlash® R-Vap
B68FR0	Reduction and expansion adapter 29/32 to 19/26 size for puriFlash® R-Vap
B68FQ0	Reduction and expansion adapter 29/32 to 14/23 size for puriFlash® R-Vap



Part Number	Description
B67MD0	Clips NS 10 GREEN for puriFlash® R-Vap
B67ME0	Clips NS 12.5 VIOLET for puriFlash® R-Vap
B67M90	Clips NS 14.5 YELLOW for puriFlash® R-Vap
B67MA0	Clips NS 18.8 BLUE for puriFlash® R-Vap
B67MB0	Clips NS 24 GREEN for puriFlash® R-Vap
B67MC0	Clips NS 29.2 RED for puriFlash® R-Vap
B67MF0	Clips NS 34.5 ORANGE for puriFlash® R-Vap
B67MG0	Clips NS 40 YELLOW for puriFlash® R-Vap
B67MH0	Clips NS 45 BROWN for puriFlash® R-Vap



DEMONSTRATION VIDEO

Scan the QRcode to access the demonstration video made by our product expert and discover all the benefits of this new evaporator!





Advion Interchim scientific

How to request more information, a quotation or to place an order

Please see from the list below:



By Area

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