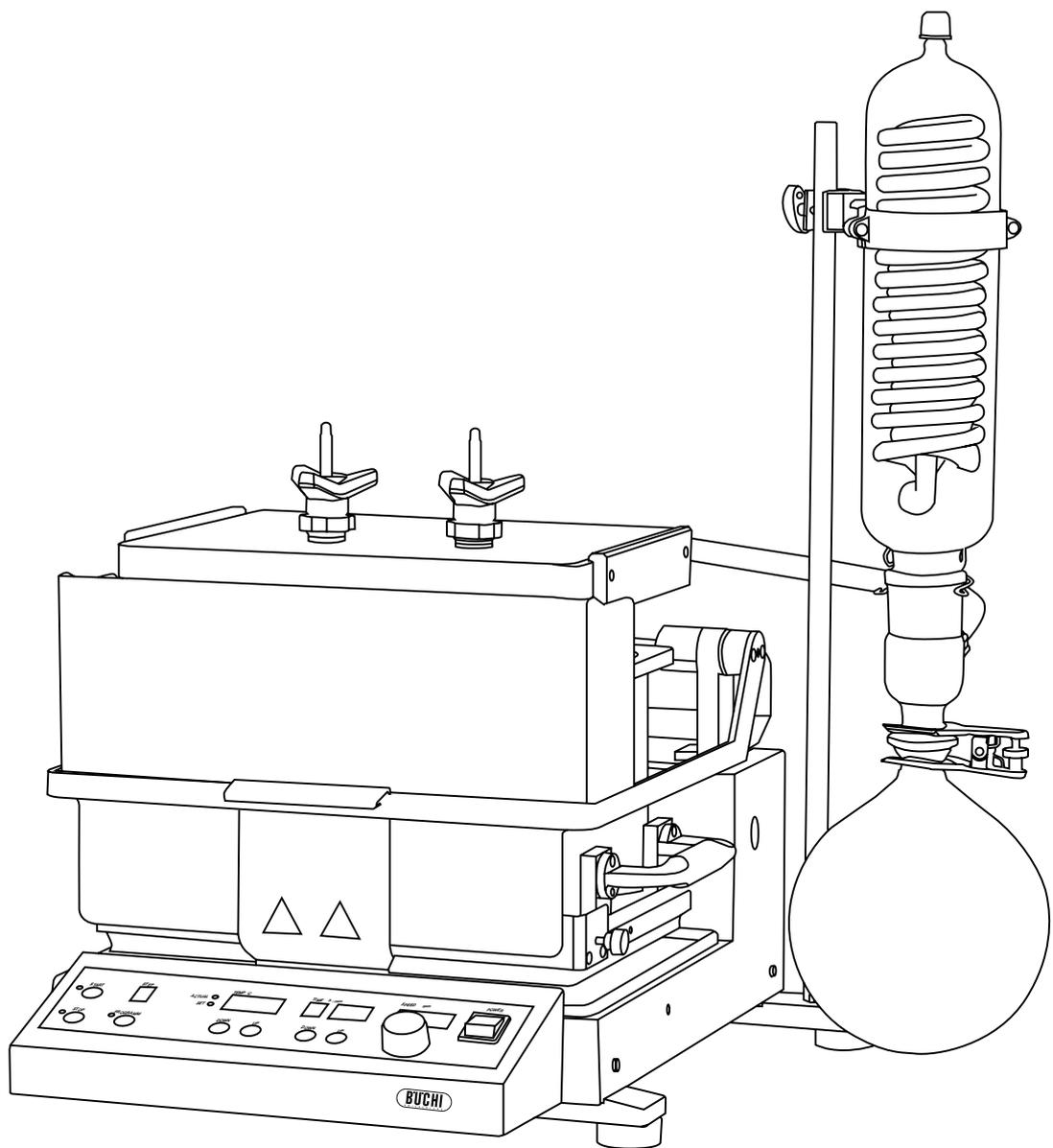




Syncore® Analyst

Technical data sheet

With the Syncore® Analyst, BUCHI is offering a solution for a fast, gentle and environment-friendly multiple sample concentration to a predefined volume. Thanks to the orbital vortex movement, the water chilled appendix, individual sealing and a heatable cover, cross-contamination can be inhibited and recoveries can be maximized. Profit from a verified solution including vacuum pump, vacuum controller and recirculating chiller to get even more advantage for your sample workup.



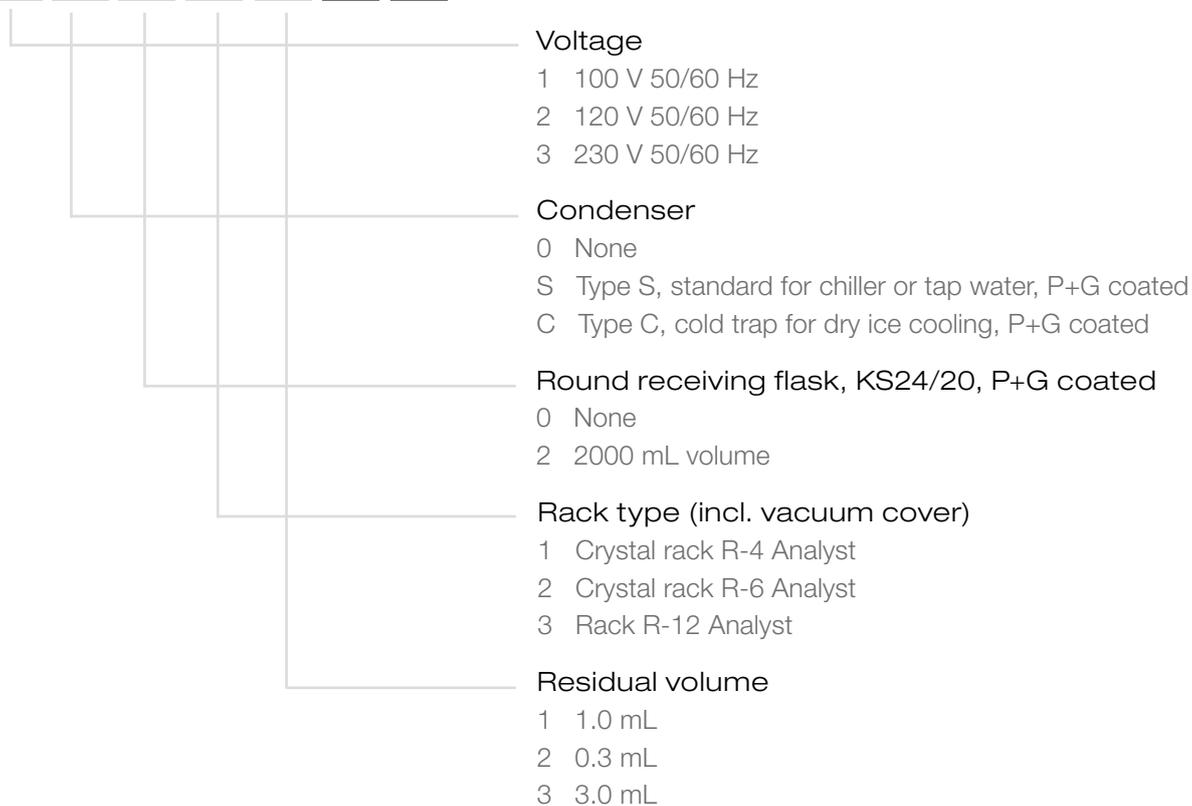
Scope of delivery

Components	Syncore® Analyst R-4	Syncore® Analyst R-6	Syncore® Analyst R-12
Syncore platform	1	1	1
Condenser unit	1	1	1
Analyst rack	1	1	1
Tubes with appendix	4	6	12
Vacuum cover	1	1	1
Syncore application guide	1	1	1
Operation manual	1	1	1
Vacuum tubing	0.6 m	0.6 m	0.6 m
Cooling water tubing	3.0 m	3.0 m	3.0 m

Order code

Choose the configuration according to your needs:

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Dimensions and weight

	Dimensions (W x H x D)	Weight
Syncore® platform (without rack and tubes)	480 x 354 x 487 mm	30 kg

Technical data

	230 V ±10 %	120 V ±10 %	100 V ±10 %
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Power consumption of platform	1500 W	1500 W	1500 W
Power take-up of heated vacuum cover	max. 120 W	max. 120 W	max. 120 W
Maximum temperature	+150 °C		
Maximum recommended temperature	+100 °C		
Temperature of vacuum cover	room temperature to +70 °C		
Maximum rotation speed	600 rpm		
Maximum recommended rotation speed	0 - 300 rpm		
Pre-set safety settings	speed, min. to max. temperature, AutoStart		
Connections	TTL for an external ON / OFF signal		
Valve connection for cooling plate option	24 V DC, temperature-controlled, hysteresis 0.5 °C		
Valve connection	24 V DC, programmable		

Table of requirements for Syncore® Analyst

See respective product brochures, and technical data sheets for more information. A recirculating chiller with a minimum cooling capacity of 900 W (at 15 °C cooling temperature) is required for proper operation.

Cooling agent flowrate	min. 2.5 L/min	max. 11 L/min
Cooling agent pressure	min. 0.6 bar	max. 1 bar
Cooling capacity at 15 °C	min. 900 W	max. 1400 W

Complementary products

	Recirculating Chiller		Vacuum Pump	
	F-308	F-314	V-300	V-600
Syncore®	manually controlled	manually controlled	autonomous	autonomous
Syncore® with I-300 / I-300 Pro	controlled	controlled	speed controlled	speed controlled

Explanation of terms

autonomous: The peripheral (chiller / pump) can be turned On and Off by its own power switch only

speed controlled: The peripheral (pump) is turned On and Off as well as speed controlled via interface

controlled: The peripheral (chiller) is turned On and Off and the temperature can be set via interface, actual temperature is displayed on the interface

manually controlled: The parameters can be adjusted via peripherals control buttons

Accessories

R-4 Order number

Set of 4 graduated glass tubes for rack R-4 Analyst 047740
For working volumes up to 500 mL, residual volume 3.0 mL

Set of 4 graduated glass tubes for rack R-4 Analyst 047741
For working volumes up to 500 mL, residual volume 1.0 mL

Set of 4 graduated glass tubes for rack R-4 Analyst 047742
For working volumes up to 500 mL, residual volume 0.3 mL

R-6 Order number

Set of 6 graduated glass tube for rack R-6 Analyst 038557
For working volumes up to 250 mL, residual volume 3.0 mL

Set of 6 graduated glass tube for rack R-6 Analyst 038575
For working volumes up to 250 mL, residual volume 1.0 mL

Set of 6 graduated glass tube for rack R-6 Analyst 038168
For working volumes up to 250 mL, residual volume 0.3 mL

R-12 Order number

Set of 12 graduated glass tubes for rack R-12 Analyst 046070
For working volumes up to 120 mL, residual volume 3.0 mL

Set of 12 graduated glass tubes for rack R-12 Analyst 046071
For working volumes up to 120 mL, residual volume 1.0 mL

Set of 12 graduated glass tubes for rack R-12 Analyst 46072
For working volumes up to 120 mL, residual volume 0.3 mL

R-12	Order number
Set of 12 glass tubes GL45 for rack R-12 Analyst For working volumes up to 100 mL, residual volume 0.3 mL	11056499
Set of 12 glass tubes GL45 for rack R-12 Analyst For working volumes up to 100 mL, residual volume 1.0 mL	11056498
Set of 12 amber glass tubes GL45 for rack R-12 Analyst For working volumes up to 100 mL, residual volume 0.3 mL	11056911
Set of 12 amber glass tubes GL45 for rack R-12 Analyst For working volumes up to 100 mL, residual volume 1.0 mL	11056910

Sample holders	Order number
Sample holder format R-4 For single sample tube preparation	11062988
Sample holder format R-6 For single sample tube preparation	11062989
Sample holder format R-12 For single sample tube preparation	11062990

Sample preparation rack	Order number
Sample preparation rack R-4 For sample batch preparation and transfer	040075
Sample preparation rack R-6 For sample batch preparation and transfer	040076
Sample preparation rack R-12 For sample batch preparation and transfer	040077

Lids	Order number
Lids for R-6 tubes Set of 6 PTFE lids	048689
Lids for R-12 tubes Set of 12 PE lids	048690

Condensers	Order number
Condenser type S Including a 1000 mL receiving flask	037690
Condenser type S Including a 2000 mL receiving flask	040146
Condenser type C Including a 1000 mL receiving flask	038371
Condenser type C Including a 2000 mL receiving flask	040147

Racks	Order number
Crystal analyst rack R-4 For working volumes up to 500 mL	047794
Crystal analyst rack R-6 For working volumes up to 250 mL	047777
Analyst rack R-12 For working volumes up to 120 mL	046000

Vacuum covers	Order number
Vacuum cover R-4 Heatable, with individual sample connection, for all rack formats R-4	038245
Vacuum cover R-6 Heatable, with individual sample connection, for all rack formats R-6	038246
Vacuum cover R-12 Heatable, with individual sample connection, for all rack formats R-12	040910
Vacuum cover R-24 Heatable, with individual sample connection, for all rack formats R-24	040920
Vacuum cover R-48 Heatable, with individual sample connection, for all rack formats R-48	042850
Vacuum cover R-96 Heatable, with individual sample connection, for all rack formats R-96	040930

Flushback modules	Order number
Flushback module R-6 For higher recovery rates in combination with rack R-6 Analyst	048654
Flushback module R-12 For higher recovery rates in combination with rack R-12 Analyst	046036