

Насосы перистальтические CARL ROTH Sci-Q 323, Hei-FLOW, Precision 01, PK-10-16, ROTILABO CR-KP292

Технические характеристики

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Peristaltic pumps



Peristaltic pump Sci-Q 323

Watson-Marlow.

Particularly suitable for general applications in laboratory and research applications.

- Quick and easy hose laying thanks to flip-top pump head
- Digital speed control
- Manual control
- Easy-to-read display and washable membrane keyboard
- Chemical-resistant housing
- Maintenance-free, quiet motor
- Usable with hoses with a wall thickness of 1.6 mm
- Can be expanded with additional pump heads to a maximum of six parallel channels

Technical specifications:

Art. No.	Y545.1
Pump type	Sci-Q 323
Delivery rate	0,45–2000 ml/min
Speed	15–400 rpm
Operating temperature	+5 – +40 °C
Display	digital
Noise level	< 70 db
L x W x H	225 x 230 x 132 mm
Weight	4,7 kg
Mains connection	120/230 V, 50/60 Hz

Delivery rate depending on the hose size and the number of rollers in the pump head:

Inner Ø (mm)	Delivery rate (ml/min)		Max. pump heads
	3-roller	4-roller	
0.5	0.45–12	0.45–12	6
0.8	1.1–28	0.90–24	6
1.6	4.1–110	3.8–100	4
3.2	15–400	13–340	2
4.8	33–880	29–760	2
6.4	54–1400	45–1200	1
8	75–2000	60–1600	1

Optional accessory (please order separately): Additional pump heads for multichannel operation and pump heads with four rollers for lower pulsation.

Delivery incl. one 3-roller end pump head. Without pump hoses, please order separately.

Type	Art. No.	Pack Qty.	
Sci-Q 323	Y545.1	1 unit(s)	



Peristaltic pump set Hei-Flow

Heidolph.

For conveying liquids with precision. Delivery rates depending on the hose size.

Properties of the pump drive:

- Analogue speed adjustment
- Constant speed even under varying load
- Reversible direction of rotation (clockwise/counterclockwise)
- Stackable housing (max. two pump drives)

Characteristics of pump head:

- For hose wall thickness of 1.6 mm
- Outer hose Ø freely selectable between 4 mm and 9.5 mm
- Low pulsation is ensured by five rollers
- Easy and quick hose replacement
- Stainless steel rollers and roller mounts

Technical specifications:

Art. No.	CH22.1	EL51.1
Pump type	Value 01	Advantage 01
Delivery rate	0,8–413 l/min	0,4–409 l/min
Control accuracy	±2 %	±0,5
Speed	10–120 rpm	5–120 rpm
Motor power	71 W	100 W
Port	none	analogue
Display	Digital	
L x W x H	256 x 225 x 166 mm	
Weight	6,8 kg	8,2 kg
Mains connection	110–240 V, 50/60 Hz	

Delivery rate depending on the hose size:

Inner Ø (mm)	Delivery rate (ml/min)	
	Value 01	Advantage 01
0.8	0.8–9	0.4–9
1.7	3–41	2–40
3.1	11–134	5–126
4.8	25–292	12–233
6.3	36–413	17–409

(1) Value 01

Delivery incl. SP quick 1.6 pump head and 1 m Tygon® and silicone hose with inner Ø of 3.1 mm each.

Pic.	Version	Type	Art. No.	Pack Qty.	
(1)	Set	Hei-Flow Value 01	CH22.1	1 unit(s)	

(2) Advantage 01

With maximum speed button for faster filling and drainage of hoses

Delivery incl. SP quick 1.6 pump head and 1 m Tygon® and silicone hose with inner Ø of 0.8 mm each.

Pic.	Version	Type	Art. No.	Pack Qty.	
(2)	Set	Hei-Flow Advantage 01	EL51.1	1 unit(s)	



Peristaltic pumps



Pump drive Hei-FLOW

Heidolph.

Peristaltic pump for conveying and metering liquids with precision.

- Simple calibration of conveyed and dispensed volumes
- Intermittent dispensing
- With maximum speed button for faster filling and drainage of hoses
- Constant speed even under varying load
- Reversible direction of rotation (clockwise/counterclockwise)
- Stackable housing (max. two pump drives)

Technical specifications:

Art. No.	CYC4.1	CYC5.1
Pump type	Precision 01	Precision 06
Delivery rate	0,02–409 ml/min	2–2072 ml/min
Dispensing volume	0,1–9999 ml	
Control accuracy	±0,5 %	±0,5
Speed	5–120 rpm	24–600 rpm
Motor power	100 W	
Port	analogue and digital (RS 232)	
Display	digital	
L x W x H	256 x 225 x 166 mm	
Weight	8.3 kg	7.7 kg
Mains connection	110–240 V, 50/60 Hz	

Modular design: The pump drive, pump head and pump hose can be freely combined.

Delivery without pump head and pump hose, please order separately.

Precision 01

Suitable for single-channel and multichannel operation.

Version	Type	Art. No.	Pack Qty.	
Pump drive	Hei-FLOW Precision 01	CYC4.1	1 unit(s)	

Precision 06

Suitable for single-channel operation.

Version	Type	Art. No.	Pack Qty.	
Pump drive	Hei-FLOW Precision 06	CYC5.1	1 unit(s)	



Single-channel pump head SP quick (SWS 1.6 mm) for Hei-FLOW

Heidolph.

With automatic hose anchoring.

- For standard hose with a wall thickness of 1.6 mm
- Outer hose Ø freely selectable between 4 and 9.5 mm
- Low pulsation is ensured by five rollers
- Easy and quick hose replacement
- Stainless steel rollers and roller mounts

Delivery rate depending on the hose size:

Inner Ø (mm)	Delivery rate (ml/min)	
	Precision 01	Precision 06
0.6	0.38–9	2–33
1.7	2–40	8–186
3.1	5–126	26–653
4.8	12–233	59–1529
6.3	17–409	89–2072

Version	Type	Art. No.	Pack Qty.	
single-channel pump head	SP quick 1,6	CYC6.1	1 unit(s)	



Accessories for Hei-FLOW Precision 01 in multi-channel operation

Heidolph.

Adapter

Version	Type	Art. No.	Pack Qty.	
Adapter	Adapter for multi-channel pump heads	CYC7.1	1 unit(s)	

Hose cassette

Version	Type	Art. No.	Pack Qty.	
Hose cassette	Hose cassette	CYC9.1	1 unit(s)	

Peristaltic pumps



Four-channel pump head C4 for Hei-FLOW Precision 01

Heidolph.

With automatic hose anchoring.

- For use with up to four hose cassettes, with snap lock for easy insertion even during operation
- Low pulsation is ensured by eight rollers
- For two stopper hoses with a wall thickness of 0.9 mm
- Hose outer diameters of between 0.2 mm and 2.8 mm are freely selectable
- To feed and convey different volumes, hoses of different diameters can be inserted into the hose cassette
- Roller pressure can be adjusted using an adjustment screw

Delivery rate depending on the hose size:

Inner Ø (mm)	Delivery rate (ml/min) Precision 01
0.2	0.02–0.49
0.5	0.08–2
0.9	0.24–6
1.4	0.60–14
6.3	2–36

Delivery without adapter and hose cassettes (max. 4), please order separately.

Version	Type	Art. No.	Pack Qty.	
four-channel pump head	C4	CYC8.1	1 unit(s)	



Pump drive rotarus®

Hirschmann.

Efficient, precise peristaltic pump that enables a flexible range of applications by using various pump heads and hoses. Particularly suitable for use in the pharmaceutical and food production sectors thanks to its stainless steel housing.

- Control panel directly on the pump housing for quick and easy input of basic functions
- Quick-change pump heads
- Reversible direction of rotation (clockwise/counterclockwise)
- Load-based speed control
- Suitable for continuous operation
- Stackable

Technical specifications:

Art. No.	AXN5.1	AXN7.1	AXN9.1	AXN6.1	AXN8.1	AXP0.1
Pump type	50i			100i		
Delivery rate	0,0005–1200 ml/min			0,025–6900 ml/min		
Steps	0.1 U/min					
Speed	0,2–100 rpm			5,0–500 rpm		
Power consumption	60 W			90 W		
Motor power	50 W			85 W		
Port	USB and RS 232					
Display	digital					
IP rating	65					
L x W x H	220 x 100 x 100 mm			270 x 220 x 100 mm		
Weight	7.3 kg			10.1 kg		
Mains connection	115–240 V, 50/60 Hz					

Comparison of pump models:

rotarus® model	standard	flow	volume
Control panel on pump housing	x	x	x
External control panel with touchscreen	-	x	x
Memory for 20 methods	-	x	x
Calibration function	-	x	x
Pumps by speed	x	x	x
Pumps by flow rate	-	x	x
Pumps by target volume (dispensing)	-	-	x
Autom. pump head detection	-	x	x
Autom. hose detection	-	x	x
Hose lifetime monitoring	-	x	x
Autom. hose leak and blockage detection	-	x	x

Modular design: The pump drive, pump head and pump hose can be freely combined.

Delivery without pump head and pump hose, please order separately.

50i series

For low flow rates or high-viscosity media

Version	Type	Art. No.	Pack Qty.	
flow	rotarus® 50i	AXN7.1	1 unit(s)	
volume	rotarus® 50i	AXN9.1	1 unit(s)	
standard	rotarus® 50i	AXN5.1	1 unit(s)	

100i series

For high flow rates

Version	Type	Art. No.	Pack Qty.	
flow	rotarus® 100i	AXN8.1	1 unit(s)	
volume	rotarus® 100i	AXP0.1	1 unit(s)	
standard	rotarus® 100i	AXN6.1	1 unit(s)	



Peristaltic pumps

Single-channel pump head rotarus® PK 10-16

Hirschmann.

- With automatic hose anchoring
- RFID head and hose data recognition

Alternatively, up to three single-channel pump heads can be connected in series for multichannel operation.

- Three stainless steel rollers
- Housing made of anodised aluminium
- For hoses with an inner Ø of 1.6–11.1 mm and a wall thickness of 1.6 mm
- Cascadable

Delivery rate depending on the hose size:

Inner Ø (mm)	Delivery rate (ml/min)	
	50i series	100i series
1.6	0.08–40	1.9–200
3.2	0.32–160	0.8–850
8	1.7–840	42–3900
11	2.8–1500	69–5400

Type	Art. No.	Pack Qty.	
PK 10-16	AXP1.1	1 unit(s)	

Four-channel pump head rotarus® MKF 4-8

Hirschmann.

- With automatic hose anchoring
- RFID head and hose data recognition
- 8 rollers made of Rulon®
- Housing made of polysulfone (PSU)
- For hoses with an inner Ø of 0.19–2.79 mm, variable wall thickness
- Adjustable contact pressure

Delivery rate depending on the hose size:

Inner Ø (mm)	Delivery rate (ml/min)	
	50i series	100i series
0.19	0.001–0.40	0.021–0.90
0.25	0.0017–0.85	0.043–2.1
1.42	0.026–13.0	0.66–32.0
2.79	0.048–22.7	1.7–82.1

Delivery incl. four hose cassettes.

Type	Art. No.	Pack Qty.	
MKF 4-8	AXP2.1	1 unit(s)	



Piston vacuum pump ROTILABO® CR-KP292

ROTH SELECTION.

Compact pump for vacuum and pressure applications. Suitable for pumping air and neutral gases.

Application:

Pressure filtration of aqueous solutions, use in vacuum ovens, vacuum drying and gas sampling.

Technical specifications:

Art. No.	CYA9.1
Type	CR-KP292
Delivery rate	9,2 l/min
End vacuum (abs.)	292 mbar
Overpressure	3,3 bar
Media temperature	+10 – +60 °C
Connection	for hose inner Ø 6 mm
Motor power	25 W
Ambient temperature	+10 – +40 °C
W x D x H	114 x 194 x 191 mm
Weight	2 kg
Mains connection	230 V, 50 Hz

Type	Art. No.	Pack Qty.	
CR-KP292	CYA9.1	1 unit(s)	

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