

Насосы мембранные жидкостные CARL ROTH NF 1.100, NF 300, NF 1.300, SIMDOS 10, DDE 6-10, DDE 15-4, Cyclo II

Технические характеристики

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Ярославль (4852)69-52-93

Россия (495)268-04-70

Казахстан (772)734-952-31

Киргизия (996)312-96-26-47



Diaphragm liquid pumps

NF 1.100 version

Technical specifications:

Art. No.	EL65.1	EL66.1	EL67.1
Type	NF 1.100 KT. 18 S	NF 1.100 TT. 18 S	NF 1.100 FT. 18 S
Delivery rate	200-1300 ml/min		
Suction lift	3 nWC		
Pressure lift	40 nWC		
Max. pressure	4 bar		
Media temperature	+5 – +80 °C		
Connection	for hose inner Ø 8 mm		
Motor power	12 W		
IP rating	65		
Materials in contact with media	Pump head: PP, Diaphragms: PTFE-coated, Valves: FFKM	Pump head: PVDF, Diaphragms: PTFE-coated, Valves: FFKM	Pump head: PTFE, Diaphragms: PTFE-coated, Valves: FFKM
W x D x H	99 x 130 x 177 mm		
Weight	0.8 kg		
Mains connection	100–230 V, 50/60 Hz		

Type	Art. No.	Pack Qty.	
NF 1.100 KT. 18 S	EL65.1	1 unit(s)	
NF 1.100 TT. 18 S	EL66.1	1 unit(s)	
NF 1.100 FT. 18 S	EL67.1	1 unit(s)	

NF 300 version

Technical specifications:

Art. No.	EL68.1	EL69.1	EL70.1
Type	NF 300 KT.18 S	NF 300 TT.18 S	NF 300 FT.18 S
Delivery rate	500-3000 ml/min		
Suction lift	3 nWC		
Pressure lift	10 nWC		
Max. pressure	1 bar		
Media temperature	+5 – +80 °C		
Connection	for hose inner Ø 12 mm		
Motor power	29 W		
IP rating	65		
Materials in contact with media	Pump head: PP, Diaphragms: PTFE-coated, Valves: FFKM	Pump head: PVDF, Diaphragms: PTFE-coated, Valves: FFKM	Pump head: PTFE, Diaphragms: PTFE-coated, Valves: FFKM
W x D x H	160 x 104 x 188 mm		
Weight	1.5 kg		
Mains connection	100–230 V, 50/60 Hz		

Type	Art. No.	Pack Qty.	
NF 300 KT.18 S	EL68.1	1 unit(s)	
NF 300 TT.18 S	EL69.1	1 unit(s)	
NF 300 FT.18 S	EL70.1	1 unit(s)	

NF 1.300 version

Technical specifications:

Art. No.	EL71.1	EL72.1	EL73.1
Type	NF 1.300 KT.18 S	NF 1.300 TT.18 S	NF 1.300 FT.18 S
Delivery rate	500-3000 ml/min		
Suction lift	3 nWC		
Pressure lift	40 nWC		
Max. pressure	4 bar		
Media temperature	+5 – +80 °C		
Connection	for hose inner Ø 12 mm		
Motor power	29 W		
IP rating	65		
Materials in contact with media	Pump head: PP, Diaphragms: PTFE-coated, Valves: FFKM	Pump head: PVDF, Diaphragms: PTFE-coated, Valves: FFKM	Pump head: PTFE, Diaphragms: PTFE-coated, Valves: FFKM
W x D x H	160 x 104 x 188 mm		
Weight	1.5 kg		
Mains connection	100–230 V, 50/60 Hz		

Type	Art. No.	Pack Qty.	
NF 1.300 KT.18 S	EL71.1	1 unit(s)	
NF 1.300 TT.18 S	EL72.1	1 unit(s)	
NF 1.300 FT.18 S	EL73.1	1 unit(s)	

Diaphragm liquid pumps

Diaphragm metering pump SIMDOS® 10

KNF.

Suitable for pumping and metering neutral and aggressive liquids (please take the chemical resistance of the pump head into account).

- Optimised pump head with safety feature prevents the medium from leaking into the drive chamber in the event of leaks.
- Operating modes: Continuous pumping (unlimited time), continuous pumping with timed switch-off, volumetric metering and series metering
- With calibration function for better accuracy
- Adjustable pump characteristics (e. g. for vaporous, viscous liquids)
- Pause function without loss of data
- Safe to run dry, self-priming and maintenance-free



Technical specifications:

Art. No.	PA27.1	PA28.1	PA29.1
Type	FEM 1.10 KT.18 S2	FEM 1.10 TT.18 S2	FEM 1.10 FT.18 S2
Delivery rate	1-100 ml/min		
Dispensing volume	1-1000 ml		
Metering time	1 s - 99 h 59 min		
Suction lift	3 nWC		
Pressure lift	60 nWC		
Max. pressure	6 bar		
Media temperature	+5 – +80 °C		
Connection	for hose inner Ø 4 mm/outer Ø 6 mm		
Power consumption	24 W		
IP rating	65		
Noise level	≤ 40 db		
Materials in contact with media	Pump head: PP, Diaphragms: PTFE-coated EPDM, Valve plate/seals: FFKM	Pump head: PVDF, Diaphragms: PTFE-coated EPDM, Valve plate/seals: FFKM	Pump head: PTFE, Diaphragms: PTFE-coated EPDM, Valve plate/seals: FFKM
W x D x H	93 x 134 x 144 mm		
Weight	0,9 kg		
Mains connection	100–240 V, 50/60 Hz		

Delivery incl. connection kit (hose and screw fitting) and intake filter.

Type	Art. No.	Pack Qty.	
FEM 1.10 KT.18 S2	PA27.1	1 unit(s)	
FEM 1.10 TT.18 S2	PA28.1	1 unit(s)	
FEM 1.10 FT.18 S2	PA29.1	1 unit(s)	



Diaphragm liquid pumps



Diaphragm metering pump DDE series

Grundfos.

Powerful, speed-controlled stepper motor. Constant, continuous dosing performance. Adjustment range up to 1:1000. Pump status can be recognised via the traffic light principle. PTFE diaphragm with universal chemical resistance.

Technical specifications:

Art. No.	PE71.1	PE72.1
Type	DDE 6-10	DDE 15-4
Delivery rate	6 l/h	15 l/h
Suction lift	6 nWC	
Max. pressure	10 bar	4 bar
Media temperature	-10 – +45 °C	
Connection	for hose inner Ø 4 mm/outer Ø 6 mm	for hose inner Ø 6 mm/outer Ø 9 mm
Ambient temperature	0 – +45 °C	
IP rating	65	
Noise level	60 db	
Materials in contact with media	PVC, FKM, Ceramic	
W x D x H	102 x 251 x 196 mm	102 x 251 x 200.5 mm
Weight	2,4 kg	
Mains connection	100–240 V, 50/60 Hz	

Delivery incl. mounting plates as a base or for wall installation.

Type	Art. No.	Pack Qty.	
DDE 6-10	PE71.1	1 unit(s)	
DDE 15-4	PE72.1	1 unit(s)	



Peristaltic pump ROTH Cyclo II

ROTH SELECTION.

For all applications in the laboratory and analytics and biotechnology applications.

- Pump head (Ø 62 mm) can be rotated 90°
- Easy cleaning thanks to easily removable pump head
- Simple to use with two rotary knobs:
Continuous speed adjustment from 0–100 %
Reversible direction of rotation (clockwise/counterclockwise)
- Hose with a wall thickness of 1.6 mm can be used
- Variable hose contact pressure
- Easy hose replacement in seconds
- Temperature and current limiting for maximum reliability
- Stackable

Technical specifications:

Art. No.	Y374.1	EP75.1	EP74.1	EP76.1
Pump type	1-channel	2-channel	1-channel	2-channel
Pump head	3 rollers		6 rollers	
Delivery rate	12–240 ml/min		9,6–192 ml/min	
Max. pressure	1 bar			
Motor power	10 W			
L x W x H	131 x 134 x 190 mm			
Weight	1,6 kg			
Mains connection	100–230 V			

Optional accessory (please order separately): Hose cassettes for different hose Ø.

Delivery incl. hose cassette for hose with inner Ø of 4.8 mm and wall thickness of 1.6 mm. Without pump hoses, please order separately.

With 3-roller pump head

Version	Art. No.	Pack Qty.	
1-channel	Y374.1	1 unit(s)	
2-channel	EP75.1	1 unit(s)	

With 6-roller pump head

For lower pulsation.

Version	Art. No.	Pack Qty.	
1-channel	EP74.1	1 unit(s)	
2-channel	EP76.1	1 unit(s)	

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