

1 Chemically-resistant Liquid Pumps LIQUIPORT®

- Application: Transferring liquids
- Flow rate from 0.2 up to 3 l/min
- Pressure head 10 mWg, suction head 3 mWg
- Self priming, dry running
- Tubing connection for tubing with ID 8 mm for NF 100 and ID 12 mm for NF 300
- Pump heads available in your choice of PP (Typ KT), PVDF (Typ TT) or PTFE (Typ FT), diaphragms available in PTFE, valves in FFKM
- Flow rate can either be set manually (Version S) or both manually and via an external control device (Version RC)

Specifications

Suction head:	3 mWg
Pressure head:	10 mWg
Ambient temp.:	5 ... 40 °C
Liquid temp.:	5 ... 80 °C
Pump head:	optional PP, PVDF or PTFE
Diaphragm:	PTFE-coated
Valves:	FFKM
Supply requirements:	100 ... 230 V, 50/60 Hz

Type	Int. diam. mm	Width mm	Height mm	Depth mm	Flow rate l / min.	Rating W	Weight kg	PK	Cat. No.
NF 100 KT.18 S	8	99	177	130	0.2 ... 1.3	12	1.0	1	9.880 597
NF 100 KT.18 RC	8	99	177	130	0.2 ... 1.3	12	1.0	1	7.627 990
NF 100 TT.18 S	8	99	177	130	0.2 ... 1.3	12	1.0	1	9.880 598
NF 100 FT.18 S	8	99	177	130	0.2 ... 1.3	12	1.0	1	4.664 493
NF 300 KT.18 S	12	104	188	160	0.5 ... 3.0	29	1.5	1	9.880 599
NF 300 TT.18 S	12	104	188	160	0.5 ... 3.0	29	1.5	1	9.880 600
NF 300 FT.18 S	12	104	188	160	0.5 ... 3.0	29	1.5	1	7.634 612

KNF



2 3 Chemically-resistant Diaphragm Dosing Pumps SIMDOS® 02/10

- Application: Metering liquids
- Flow rate from 0.03 up to 100 ml/min/Pressure head 60 mWg, suction head 2 mWg and 3 mWg respectively
- Pump heads available in your choice of PP, PVDF or PTFE-diaphragms available in PTFE, valves in FFKM
- Flow rate can either be set manually (Version S) or both manually and via an external control device as well as with interface RC 232 (Version RCP)
- Additional safety diaphragm for maximum security
- Easy exchange of the transfer diaphragm by activating the maintenance command in the operating program

Advantages:

- Intuitive operation, easy calibration
- Adjustable to liquid characteristics
- Self-priming and dry-running
- Spray water protected IP 65
- Small size

Specifications

Pressure:	6 bar
Allowed ambient temperature:	+5 ... +40 °C
Allowed liquid temperature:	+5 ... +80 °C
Dimensions (WxDxH):	93 x 150 x 144 mm
Pump head:	optional PP, PVDF or PTFE
Diaphragm:	PTFE
Valves:	FFKM
Power supply:	100-240 V, 50-60 Hz
Weight:	0.9 kg

Type	Head	Control	Flow rate	Dosing volume	Max. suction height	PK	Cat. No.
SIMDOS® 02 FEM 1.02KT.18S	PP	S	30 µl/min - 20 ml/min	30 µl - 999 ml	2 m	1	9.880 565
SIMDOS® 02 FEM 1.02KT.18RCP	PP	RC plus	30 µl/min - 20 ml/min	30 µl - 999 ml	2 m	1	7.940 190
SIMDOS® 02 FEM 1.02TT.18S	PVDF	S	30 µl/min - 20 ml/min	30 µl - 999 ml	2 m	1	9.880 567
SIMDOS® 02 FEM 1.02TT.18RCP	PVDF	RC plus	30 µl/min - 20 ml/min	30 µl - 999 ml	2 m	1	6.280 030
SIMDOS® 02 FEM 1.02FT.18S	PTFE	S	30 µl/min - 20 ml/min	30 µl - 999 ml	2 m	1	9.880 569
SIMDOS® 02 FEM 1.02FT.18RCP	PTFE	RC plus	30 µl/min - 20 ml/min	30 µl - 999 ml	2 m	1	6.288 412
SIMDOS® 02 FEM 1.02ST.18S	stainless steel	S	30 µl/min - 20 ml/min	30 µl - 999 ml	2 m	1	7.643 148
SIMDOS® 02 FEM 1.02ST.18RCP	stainless steel	RC plus	30 µl/min - 20 ml/min	30 µl - 999 ml	2 m	1	6.280 334
SIMDOS® 10 FEM 1.10KT.18S2	PP	S	1 - 100 ml/min	1 - 999 ml	3 m	1	6.268 391
SIMDOS® 10 FEM 1.10KT.18RCP2	PP	RC plus	1 - 100 ml/min	1 - 999 ml	3 m	1	6.310 685
SIMDOS® 10 FEM 1.10FT.18RCP2	PTFE	RC plus	1 - 100 ml/min	1 - 999 ml	3 m	1	6.274 454
SIMDOS® 10 FEM 1.10FT.18S2	PTFE	S	1 - 100 ml/min	1 - 999 ml	3 m	1	6.268 389
SIMDOS® 10 FEM 1.10ST.18RCP2	stainless steel	RC plus	1 - 100 ml/min	1 - 999 ml	3 m	1	6.313 297
SIMDOS® 10 FEM 1.10TT.18S2	PVDF	S	1 - 100 ml/min	1 - 999 ml	3 m	1	6.268 393
SIMDOS® 10 FEM 1.10TT.18RCP2	PVDF	RC plus	1 - 100 ml/min	1 - 999 ml	3 m	1	6.285 974

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