

VINDTA replacement and spare parts

(note: these are spare parts for VINDTA3C; some parts are also used in VINDTA 3D and VINDTA 3S - contact Marianda for details)

price list effective from January 2017

Frame parts	amount needed:	made by:	order from:	part #	price (€)
Wooden rack	1	OEM	Marianda		ask for quote
Acrylic plate, main	1	OEM	Marianda		ask for quote
Acrylic plate, left	1	OEM	Marianda		ask for quote
Acrylic plate, right	1	OEM	Marianda		ask for quote
Acrylic plate, front	1	OEM	Marianda		ask for quote
Acrylic plate, pumps	1	OEM	Marianda		ask for quote
Acrylic plate, side connections	1	OEM	Marianda		ask for quote
Mechanical parts					
titration cell	1	OEM	Marianda		1680.-
flowcontroller	1	Sensirion	Sensirion	SFC4100UA7N2 500	
air pump	1	KNF	KNF	PMM1345-NMP05L	
peristaltic pump	2	OEM	Marianda		1680.-
servo (cell valve)	1	OEM	Marianda		89.-
auxiliary electrode (Ti)	1	Marianda	Marianda		59.-
glass electrode	1	Thermo Orion	Thermo Orion	ROSS 8101 SC	
reference electrode	1	Metrohm	Metrohm	6.0729.100	
valves 1-4, 8-11, 13-14	10	Biochem. Inc.	Biochem. Inc.	075P3MP24-02B	
valves 5,6,7	3	Biochem. Inc.	Biochem. Inc.	100P3MP24-05B	
valve 12	1	Biochem. Inc.	Biochem. Inc.	075T3MP24-32	
valve 15	1	Biochem. Inc.	Biochem. Inc.	075TNC24-62	
acid pump	1	Biochem. Inc.	Biochem. Inc.	120SP2450-5EE	
mounting flange (big)	4	Biochem. Inc.	Biochem. Inc.	MF100	
mounting flange (small)	14	Biochem. Inc.	Biochem. Inc.	MF075	
tubing for valves, small		Biochem. Inc.	Biochem. Inc.	10025-02B	
tubing for valves, big		Biochem. Inc.	Biochem. Inc.	10025-05B	
Electronics					
electronic box	1	Marianda	Marianda		ask for quote
Labjack USB controller	2	Labjack	Labjack	U12	
solid state relays	24	Grayhill	Farnell	70M ODC5	
relay board	2	Labjack	Labjack	RB 16	
circuit board V3/P0 (valve-relay connector)	1	OEM	Marianda		210.-
circuit board V3/P1 (peristaltic pump control)	1	OEM	Marianda		290.-
circuit board V3/P2 (servo control)	1	OEM	Marianda		230.-
circuit board V3/P3 (level sensors)	1	OEM	Marianda		290.-
circuit board V3/P4 (PT 100)	1	OEM	Marianda		275.-
circuit board V3/P5 (Peltier) (Vindta 025 and later)	1	OEM	Marianda		220.-
Peltier control unit (before VINDTA 025)	1	OEM	Marianda		980.-
Peltier element, 35 W, 12 V	1	OEM	Marianda		95.-
power supply, 24 V	1	OEM	Marianda		150.-
power supply, 12 V	1	OEM	Marianda		150.-
level sensor pipette (infrared) (before VINDTA 025)	1	OEM	Marianda		190.-
level sensor pipette (ultrasonic) (VINDTA 025 and later)	1	OEM	Marianda		350.-
level sensor pipette overflow	1	OEM	Marianda		48.-
level sensor pipette overflow, optical	1	OEM	Marianda		150.-
level sensor cell (NTC) (before VINDTA 025)	1	OEM	Marianda		100.-
level sensor cell (optical) (VINDTA 025 and later)	1	OEM	Marianda		150.-
temperature sensor sample bottle (PT 100; white)	2	OEM	Marianda		190.-
temperature sensor small pipette (PT 100, glass)	1	OEM	Marianda		250.-
temperature sensor cell (PT 100, white)	1	OEM	Marianda		170.-
various cables		Marianda	Marianda		ask for quote
Glassware					
pipette big (AT)	1	OEM (glassblower)	Marianda		280.-
pipette small (DIC)	1	OEM (glassblower)	Marianda		220.-
stripper (DIC)	1	OEM (glassblower)	Marianda		360.-
overflow vessel (AT and DIC)(version for VINDTA 050 and earlier)	1	OEM (glassblower)	Marianda		150.-
overflow vessel (AT and DIC) (version for VINDTA 051 and later)	1	OEM (glassblower)	Marianda		190.-
acid trap (AT)	1	OEM (glassblower)	Marianda		90.-
condenser (for metal block)	1	OEM (glassblower)	Marianda		150.-
condenser (with thermostate jacket)	1*	OEM (glassblower)	Marianda		270.-
spare parts starter kit (only available with new VINDTA 3C)					
contains: glassware (big and small pipette, stripper, condenser, acid trap), servo motor, Peltier element, valve tubing, tubing for peristaltic pumps					1190.-

OEM = 3rd party products custom made for Marianda

KNF: look at www.knf.com for local supplier
 Biochem: look at www.bio-chemvalve.com for local supplier
 Labjack: look at www.labjack.com for local supplier
 Sensirion: look at www.sensirion.com for local supplier
 Aalborg: look at www.aalborg.com for local supplier
 Bronkhorst: look at www.bronkhorst.com for local supplier
 Thermo Orion: look at www.thermo.com for local supplier
 Metrohm: look at www.metrohm.com for local supplier
 Farnell: look at www.farnell.com for local supplier