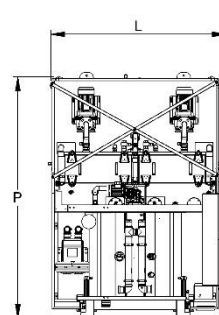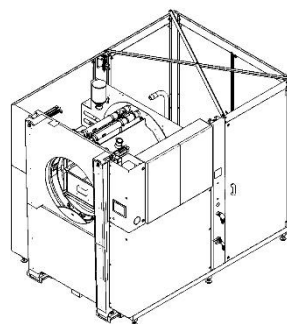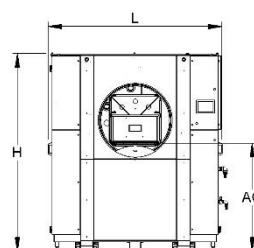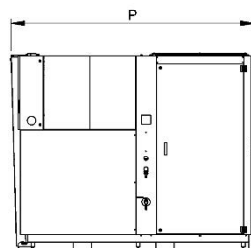# ROTOR 2B

Rotor is the optimal system for the spray and hydrokinetic immersion washing for baskets containing parts.
Basket is entered manually or automatically in the basket-holder drum according to the machine configuration.
It is possible to set the basket rotation speed and the operation type: full or oscillating rotation.
Hot-air drying is included in the standard model. It is possible to increase it by a vacuum drying.
In this configuration, parts washers have two separate tanks and carry out both washing and rinsing.
The machine is available in HT version (insulated, maximum and adjustable temperature up to 80°C).

Dimensions and layout	RTRS_2B	RTRM_2B	RTRL_2B
depth (P)	220 cm	260 cm	300 cm
height (H)	220 cm	220 cm	240 cm
loading height (AC)	105 cm	120 cm	135 cm
noise HT (RU_HT)	70 dBa	70 dBa	70 dBa
washing area (AL)	30 x 45 cm	50 x 75 cm	75 x 100 cm
washing height (HL)	18/30 cm	30/50 cm	50/75 cm
weight (W)	1000 kg	1300 kg	2200 kg
width (L)	140 cm	180 cm	240 cm

Connections	RTRS_2B	RTRM_2B	RTRL_2B
Compressed air blower solenoid valve	F 1"	F 1"	F 1"
Compressed air intake	F 1/4"	F 1/4"	F 1/4"
Deoiling oil drain	M 1/2"	M 1/2"	M 1/2"
Emptying pump	F 1"	F 1"	F 1"
Overflow drain	2 x F 1"	2 x F 1"	2 x F 1"
Steam extraction	F 3"	F 3"	F 3"
Tank liquid drain	2 x F 1" 1/4	2 x F 1" 1/4	2 x F 1" 1/4
Water filling solenoid valve	2 x F 1/2"	2 x F 1/2"	2 x F 1/2"

Technical data	RTRS_2B	RTRM_2B	RTRL_2B
Compressed air blowing	230 Nmc/h @ 4 bar	320 Nmc/h @ 4 bar	400 Nmc/h @ 4 bar
Disk oil separator	0,09 kW	0,09 kW	0,09 kW
Drying	7,5 kW	9 kW	18 kW
Gas oil or natural gas burner heating	0,17 kW - 30000 kcal/h	0,17 kW - 30000 kcal/h	0,17 kW - 30000 kcal/h
Heating tank 1	10 kW	20 kW	30 kW
Heating tank 2	10 kW	20 kW	30 kW
High pressure pump 1	3 kW - 4/5 bar - 250/200 lt/min	5,5 kW - 4/5 bar - 450/400 lt/min	7,5 kW - 4/5 bar - 450/400 lt/min

Technical data	RTRS_2B	RTRM_2B	RTRL_2B
High pressure pump 2	3 kW - 4/5 bar - 250/200 lt/min	5,5 kW - 4/5 bar - 450/400 lt/min	7,5 kW - 4/5 bar - 450/400 lt/min
Load capacity	50 kg	80 kg	100 kg
Motor for parts rotation	0,18 kW	0,18 kW	0,18 kW
Pump 1	1,5 kW - 2/3 bar - 300/250 lt/min	3 kW - 2/3 bar - 450/400 lt/min	5,5 kW - 3/4 bar - 450/400 lt/min
Pump 2	1,5 kW - 2/3 bar - 300/250 lt/min	3 kW - 2/3 bar - 450/400 lt/min	5,5 kW - 3/4 bar - 450/400 lt/min
Steam condenser	0,20 kW	0,20 kW	0,20 kW
Tank 1 capacity	325 lt	720 lt	1700 lt
Tank 2 capacity	325 lt	720 lt	1700 lt
Tank emptying pump	0,37 kW	0,37 kW	0,37 kW
Ultrasound	1kW	2,4kW	4,8kW
Vacuum drying	1,5 kW	2,2 kW	4,4 kW

Technical features	RTRS_2B	RTRM_2B	RTRL_2B
Aisi 304 stainless steel filter in pump intake	★	★	★
AISI 304L stainless steel drip tray	★	★	★
AISI 304L stainless steel electric pump with special seals	★	★	★
AISI 304L stainless steel washing pipelines with professional stainless steel flat nozzles	★	★	★
Automatic calculation of electricity consumption in real time	★	★	★
Box filter	★	★	★
Color 7" touchscreen display for settings and programs	★	★	★
Compressed air blower solenoid valve	★	★	★
Drain valves for emptying tanks	★	★	★
Gearmotor for variable basket rotation speed controlled by inverter	★	★	★
Heating of the liquid with stainless steel electric heating element	★	★	★
Hot air drying with side channel blower and heating elements	★	★	★
Internal ed external welding bleaching	★	★	★
IP55 main electrical box, management with touchscreen PLC (DGT V4)	★	★	★
ISO pneumatic cylinders and "fall-proof" pneumatic safety valves	★	★	★
Manual water filling valve	★	★	★
Minimum level switch	★	★	★
Pneumatic opening and closure of the hatch with 4 cylinders	★	★	★
Pressure gauge for control of pressure delivered	★	★	★
Safety limit switch on door opening	★	★	★
Siemens electric power parts	★	★	★
Stainless steel bottom section load-bearing structure	★	★	★
Structure and sheet metal in contact with liquid in AISI 304L stainless steel	★	★	★
Total access for maintenance	★	★	★
Weekly programming to start heating and deoiler (if installed)	★	★	★

Accessories	RTRS_2B	RTRM_2B	RTRL_2B	Cod.
Automatic chemical product dispenser, installed in bath 1	✓	✓	✓	DAD#1
Automatic chemical product dispenser, installed in bath 2	✓	✓	✓	DAD#2
Automatic external roller conveyor - extension for 1 loading position	✓	✓	✓	REA_AGC
Automatic external roller conveyor - extension for 1 unloading position	✓	✓	✓	REA_AGS
Automatic external roller conveyor pneumatic lift pos. 3+1+3 [D]	✓	✓	✓	REASP313
Bag filter in stainless steel, installed in the bath 1	✓	✓	✓	FS#1
Bag filter in stainless steel, installed in the bath 2	✓	✓	✓	FS#2
Centrifugal steam condenser S [D]	✓	✓	✓	CCE_S
Circulating pump from tank 2 (most clean) to tank 1 (most contaminated)	✓	✓	✓	PRI#1
Compact pneumatic oil separator with stainless steel floats	✓	✓	✓	MD_GAL
Detergent suction tank for automatic dispenser	✓	✓	✓	SDAD
Device for remote connection and remote support for PLC Siemens	✓	✓	✓	TELSIE
Device remote connection and remote support for HMI Weintek	✓	✓	✓	TELWEI
External pneumatic oil separator with stainless steel floats	✓	✓	✓	DHT
High pressure rinsing pump [K]	✓	✓	✓	PP2
High pressure washing pump	✓	✓	✓	PP1
HMI Siemens KTP - Display (only for Siemens PLC)	✓	✓	✓	HMIS
Increased loading capacity to 250 kg	✓	✓	✓	ACC250
Increased loading capacity to 500 kg [D]	✓	✓	✓	ACC500
Industry 5.0 Ready (Energy Meter)	✓	✓	✓	IND5

Accessories	RTRS_2B	RTRM_2B	RTRL_2B	*Cod.*
Kit for Industry 4.0 for HMI Weintek	✓	✓	✓	IND4WEI
Kit for Industry 4.0 for PLC Siemens	✓	✓	✓	IND4SIE
Kit for use with abrasive contaminants in the washing liquid	✓	✓	✓	PCA
Led light tower with 3 lights and sound alarm	✓	✓	✓	TL3
Magnetic spark plug for bag filter size 2 for ferrite powder	✓	✓	✓	MAGFS2
Manual external roller conveyor - extension for 1 loading position	✓	✓	✓	REM_AGC
Manual external roller conveyor - extension for 1 unloading position	✓	✓	✓	REM_AGS
Manual external roller conveyor pneumatic lift, pos. 1+1+1	✓	✓	✓	REMSP111
Manual external roller conveyor pneumatic lift, single position	✓	✓	✓	REMSP1
Manual external roller conveyor, pos. 1+1+1	✓	✓	✓	REM111
Manual external roller conveyor, single position	✓	✓	✓	REM1
Maximum liquid level control in tank 1 and filling solenoid valve	✓	✓	✓	RIEMP#1
Maximum liquid level control in tank 2 and filling solenoid valve	✓	✓	✓	RIEMP#2
Mixed resin demineralizer M50 with conductivity meter	✓	✓	✓	ADD
PLC Siemens S7 1200 - HMI touchscreen Weintek	✓	✓	✓	PLS
Rinse from water mains, draining into the rinsing tank	✓	✓	✓	RSR
Rinsing by water supply and direct drain outlet	✓	✓	✓	RSD
Single external station with automatic loading and unloading of baskets/pallets	✓	✓	✓	REB1RB
Stainless steel basket 1000 x 750 x H500 mesh 20x20 mm with lid	✗	✗	✓	CSL2050
Stainless steel basket 1000 x 750 x H750 mesh 20x20 mm with lid	✗	✗	✓	CSL2075
Stainless steel basket 471 x 321 x H100 mesh 12x12 mm with lid	✓	✗	✗	CSS1210
Stainless steel basket 471 x 321 x H100 mesh 6x6 mm with lid	✓	✗	✗	CSS0610
Stainless steel basket 471 x 321 x H200 mesh 12x12 mm with lid	✓	✗	✗	CSS1220
Stainless steel basket 471 x 321 x H200 mesh 4x4 mm with lid	✓	✗	✗	CSS0420
Stainless steel basket 471 x 321 x H200 mesh 6x6 mm with lid	✓	✗	✗	CSS0620
Stainless steel basket 471 x 321 x H300 mesh 12x12 mm with lid	✓	✗	✗	CSS1230
Stainless steel basket 471 x 321 x H300 mesh 6x6 mm with lid	✓	✗	✗	CSS0630
Stainless steel basket 750 x 500 x H310 mesh 20x20 mm with lid	✗	✓	✗	CSM1030
Stainless steel basket 750 x 500 x H510 mesh 20x20 mm with lid	✗	✓	✗	CSM1050
Stainless steel fittings and valves kit (for parts that are in contact with liquids)	✓	✓	✓	PFC
Tanks emptying pump (2)	✓	✓	✓	SV2
Ultrasounds in titanium bars - 40 kHz	✓	✓	✓	LU40
Vacuum drying	✓	✓	✓	ASV

Accessories notes legend

[D]: the two accessories are incompatible, they cannot be installed on the same system

★ = included in the basic model, ✓ = available on request, ✗ = not available