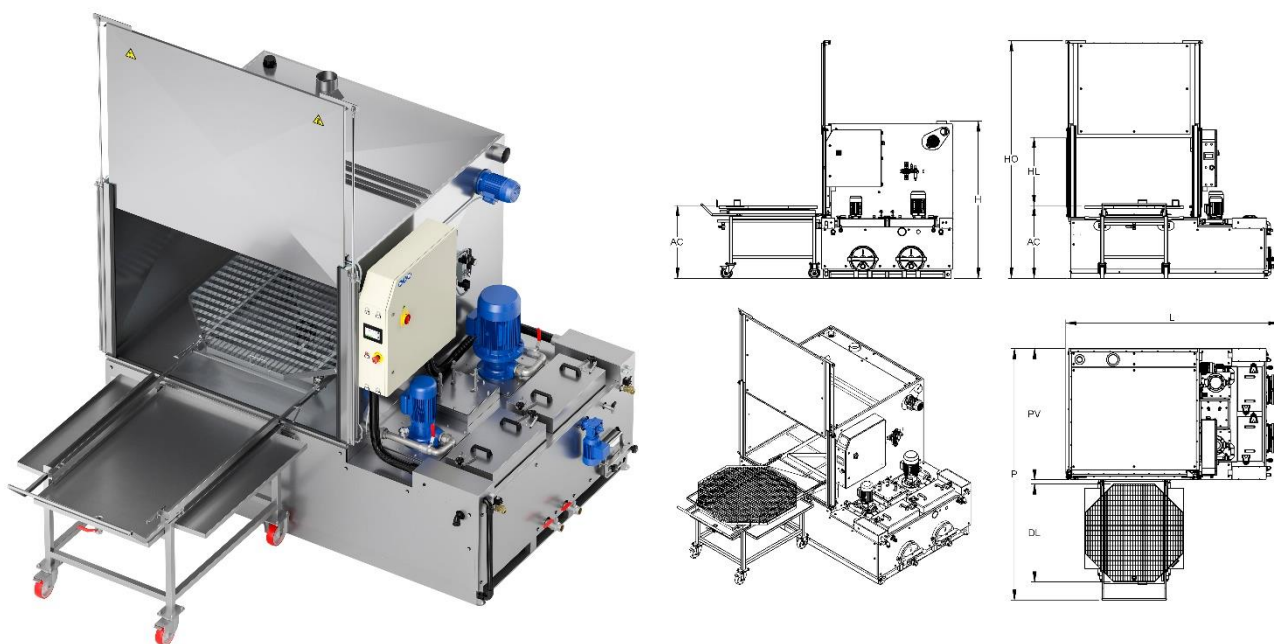# ROBUR 2B

Robur performs the successful automatic washing of medium and large size mechanical parts.

Washing is carried out by the action of upper, lower and side nozzles. The slow rotation of the platform is ensured by a gear motor with a torque limiter.

A PLC management enables numberless customisations thanks to a wide range of accessories.

In this configuration, parts washers have two separate tanks and carry out both washing and rinsing.

The machine is available in LT (without insulation, maximum and adjustable temperature up to 60°C) and HT (insulated, maximum and adjustable temperature up to 80°C) versions.

Dimensions and layout	R10002B	R12002B	R14002B	R18002B	R22002B	R26002B
depth (P)	260 cm	300 cm	330 cm	395 cm	480 cm	560 cm
height (H)	200 cm	210 cm	220 cm	235 cm	240 cm	240 cm
height with opened machine (HO)	275 cm	295 cm	315 cm	340 cm	350 cm	350 cm
loading height (AC)	95 cm	95 cm	95 cm	95 cm	95 cm	95 cm
noise HT (RU_HT)	70 dBa	70 dBa	70 dBa	70 dBa	70 dBa	70 dBa
noise LT (RU)	75 dBa	75 dBa	75 dBa	75 dBa	75 dBa	75 dBa
tank depth (PV)	135 cm	155 cm	175 cm	210 cm	255 cm	295 cm
tank width (LV)	135 cm	155 cm	175 cm	210 cm	255 cm	295 cm
washing height (HL)	70 cm	80 cm	90 cm	100 cm	100 cm	100 cm
weight (W)	900 Kg	1050 Kg	1300 Kg	1700 Kg	2100 kg	3000 kg
width (L)	242 cm	265 cm	285 cm	318 cm	365 cm	405 cm
working diameter (DL)	90 cm	110 cm	128 cm	165 cm	200 cm	225 cm

Connections	R10002B	R12002B	R14002B	R18002B	R22002B	R26002B
Cabin vent outlet	Ø125 mm	Ø125 mm	Ø125 mm	Ø125 mm	Ø125 mm	Ø125 mm
Compressed air blower solenoid valve	F 1"	F 1"	F 1"	F 1"	F 1"	F 1"
Compressed air intake	F 1/4"	F 1/4"	F 1/4"	F 1/4"	F 1/4"	F 1/4"
Deoiling oil drain	M 1/2"	M 1/2"	M 1/2"	M 1/2"	M 1/2"	M 1/2"
Emptying pump	F 1"	F 1"	F 1"	F 1"	F 1"	F 1"
Overflow drain	2 x 1"	2 x 1"	2 x 1"	2 x 1"	2 x 1"	2 x 1"
Steam extraction	Ø80 mm	Ø80 mm	Ø100 mm	Ø100 mm	2 x Ø100 mm	2 x Ø100 mm
Tank liquid drain	2 x F 1" 1/4	2 x F 1" 1/4	2 x F 1" 1/4	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"	2 x F 1/2"	2 x F 1/2"	2 x F 1/2"

Technical data	R10002B	R12002B	R14002B	R18002B	R22002B	R26002B
Compressed air	160 Nmc/h @ 4	170 Nmc/h @ 4	200 Nmc/h @ 4	240 Nmc/h @ 4	275 Nmc/h @ 4	350 Nmc/h @ 4

Technical data	R10002B	R12002B	R14002B	R18002B	R22002B	R26002B
blowing	bar	bar	bar	bar	bar	bar
Disk oil separator	0,09 kW	0,09 kW	0,09 kW	0,09 kW	0,09 kW	0,09 kW
Drying	5,2 kW	5,2 kW	5,2 kW	8,2 kW	8,2 kW	8,2 kW
Heating tank 1	12 kW	12 kW	18 kW	24 kW	30 kW	30 kW
Heating tank 2	12 kW	12 kW	18 kW	24 kW	30 kW	30 kW
High pressure pump 1	5,5 kW - 8/9 bar - 250/200 lt/min	5,5 kW - 8/9 bar - 300/250 lt/min	5,5 kW - 8/9 bar - 300/250 lt/min	7,5 kW - 8/9 bar - 300/250 lt/min	7,5 kW - 8/9 bar - 300/250 lt/min	7,5 kW - 8/9 bar - 400/350 lt/min
High pressure pump 2	5,5 kW - 8/9 bar - 250/200 lt/min	5,5 kW - 8/9 bar - 300/250 lt/min	5,5 kW - 8/9 bar - 300/250 lt/min	7,5 kW - 8/9 bar - 300/250 lt/min	7,5 kW - 8/9 bar - 300/250 lt/min	7,5 kW - 8/9 bar - 400/350 lt/min
Load capacity	600 kg	600 kg	600 kg	800 kg	800 kg	800 kg
Motor for parts rotation	0,18 kW	0,18 kW	0,18 kW	0,18 kW	0,18 kW	0,18 kW
Pump 1	4 kW - 5/6 bar - 250/200 lt/min	4 kW - 5/6 bar - 250/200 lt/min	4 kW - 5/6 bar - 300/250 lt/min	5,5 kW - 5/6 bar - 400/350 lt/min	5,5 kW - 5/6 bar - 400/350 lt/min	5,5 kW - 5/6 bar - 400/350 lt/min
Pump 2	2,2 kW - 2/3 bar - 200/150 lt/min	2,2 kW - 2/3 bar - 300/200 lt/min	2,2 kW - 2/3 bar - 300/200 lt/min	3 kW - 2/3 bar - 300/200 lt/min	3 kW - 2/3 bar - 300/200 lt/min	3 kW - 2/3 bar - 300/200 lt/min
Steam condenser	0,20 kW	0,20 kW	0,48 kW	0,48 kW	0,48 kW	0,48 kW
Steam exhauster	0,25 kw 320 Nmc/h	0,25 kw 320 Nmc/h	0,37 kw 580 Nmc/h	0,37 kw 580 Nmc/h	2 x 0,37 kw 580 Nmc/h	2 x 0,37 kw 580 Nmc/h
Tank 1 capacity	300 lt	400 lt	500 lt	700 lt	800 lt	800 lt
Tank 2 capacity	300 lt	400 lt	500 lt	700 lt	800 lt	800 lt
Tank emptying pump	0,37 kW	0,37 kW	0,37 kW	0,37 kW	0,37 kW	0,37 kW

Technical features	R10002B	R12002B	R14002B	R18002B	R22002B	R26002B
Aisi 304 stainless steel filter in pump intake	★	★	★	★	★	★
AISI 304L stainless steel external trolley	★	★	★	★	★	★
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	★	★	★	★	★	★
Drain valves for emptying tanks	★	★	★	★	★	★
Gearmotor for basket rotation with torque limiter and centering sensor	★	★	★	★	★	★
Heating of the liquid with stainless steel electric heating element	★	★	★	★	★	★
HT Version	★	★	★	★	★	★
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	★	★	★	★	★	★
Manually adjustable washing pressure	★	★	★	★	★	★
Minimum level switch	★	★	★	★	★	★
Multiple-stage vertical electric pump in AISI 304L stainless steel with special seals	★	★	★	★	★	★
Pneumatic opening and closing of the lid with 2 safety hands control	★	★	★	★	★	★
Pressure gauge for control of pressure delivered	★	★	★	★	★	★
Reinforced pressed grating platform	★	★	★	★	★	★
Safety limit switch on door opening	★	★	★	★	★	★
Siemens electric power parts	★	★	★	★	★	★
Sludge drain hatch for simple tank cleaning	★	★	★	★	★	★
Stainless steel bottom section load-bearing structure	★	★	★	★	★	★
Structure and sheet metal in contact with liquid in AISI 304L stainless steel	★	★	★	★	★	★
Tanks accessible from the outside	★	★	★	★	★	★
Thermal tank insulation	★	★	★	★	★	★
Timed electric exhaustion of steam	★	★	★	★	★	★
Triple seal on the door and lids	★	★	★	★	★	★
Weekly programming to start heating and deoiler (if installed)	★	★	★	★	★	★

Accessories	R10002B	R12002B	R14002B	R18002B	R22002B	R26002B	Cod.
Additional basket/platform in galvanised steel	✓	✓	✓	✓	✓	✓	CEZ
Additional basket/platform in stainless steel	✓	✓	✓	✓	✓	✓	CEX

Accessories	R10002B	R12002B	R14002B	R18002B	R22002B	R26002B	Cod.
Adjustable platform rotation speed with inverter	✓	✓	✓	✓	✓	✓	VRINV
Automatic chemical product dispenser, installed in bath 1	✓	✓	✓	✓	✓	✓	DAD#1
Automatic chemical product dispenser, installed in bath 2	✓	✓	✓	✓	✓	✓	DAD#2
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 M [D]	X	X	✓	✓	✓	✓	CCE_M
Centrifugal steam condenser S [D]	✓	✓	X	X	X	X	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
Compressed air blowing [B]	✓	✓	✓	✓	✓	✓	SAC
Compressed air blowing with upper pipe adjustable in height [B]	✓	✓	✓	✓	✓	✓	SAC_RA
Customization for use of detergents with bacteria	✓	✓	✓	✓	✓	✓	BIO
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
Disc oil separator with dedicated motorization	✓	✓	✓	✓	✓	✓	DB1
Double loading/unloading station (2° platform in galvanised steel included) [G]	✓	✓	✓	✓	✓	✓	ZCS
Double loading/unloading station (2° platform in stainless steel included) [G]	✓	✓	✓	✓	✓	✓	ZCSX
Electrical board installed on the opposite side of the standard one	✓	✓	✓	✓	✓	✓	QSX
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
Hot air drying with resistor and air blade side channel blower [B]	✓	✓	✓	✓	✓	✓	ARS
Increased loading capacity to [QTA] x 100 kg	✓	✓	✓	✓	✓	✓	ACC
Increased washing height by [QTA] x 100 mm - HT	✓	✓	✓	✓	✓	✓	AMHT
Increased washing height by [QTA] x 100 mm - LT	✓	✓	✓	✓	✓	✓	AMLT
Industry 5.0 Ready (Energy Meter)	✓	✓	✓	✓	✓	✓	IND5
Insulated stainless steel roller shutter front door	✓	✓	✓	✓	✓	✓	PORSER
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 washing (<= 60°C) [H]	✓	✓	✓	✓	✓	✓	MAN
Manual washing 80 bar (<= 60°C) [H]	✓	✓	✓	✓	✓	✓	MAN80LT
Manual washing 80 bar (<= 60°C) INOX pump for PFC [H]	✓	✓	✓	✓	✓	✓	MAN80PFC
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
Motor-driven rotation of the pipes	✓	✓	✓	✓	✓	✓	RMT
Motorised movement of the platform for loading and unloading with photocell barriers and perimeter protection equipment [F]	✓	✓	✓	✓	✓	✓	MPTA
Motorised movement of the platform for loading and unloading [F]	✓	✓	✓	✓	✓	✓	MPT
Platform and spider in stainless steel AISI 304 instead of the galvanized ones	✓	✓	✓	✓	✓	✓	PRX
PLC Siemens S7 1200 - HMI touchscreen Weintek	✓	✓	✓	✓	✓	✓	PLS
Removable edges for grating in stainless steel, H 200 mm	✓	✓	✓	✓	✓	✓	SPP
Rinse from water mains, draining into the rinsing tank	✓	✓	✓	✓	✓	✓	RSR
Rinsing by water supply and direct drain outlet	✓	✓	✓	✓	✓	✓	RSD
Stainless steel AISI 304L additional external trolley	✓	✓	✓	✓	✓	✓	CAA

Accessories	R10002B	R12002B	R14002B	R18002B	R22002B	R26002B	Cod.
Stainless steel AISI 304L retention tank with drip-catcher [D]	✓	✓	✓	✓	✓	✓	RIT
Stainless steel fittings and valves kit (for parts that are in contact with liquids)	✓	✓	✓	✓	✓	✓	PFC
Tanks emptying pump (2)	✓	✓	✓	✓	✓	✓	SV2
Two-hands control for basket rotation with opened lid	✓	✓	✓	✓	✓	✓	CDMROT

Legend notes accessories

[F]: the useful washing height is reduced by 50 mm

[G]: the useful washing height is reduced by 130 mm

[K]: it is necessary to add the electrical panel option on the opposite side (ACC_QSX)

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