

ROBUR 1B

ROTATING BASKET METAL PARTS WASHER FOR VERY LARGE VOLUME AND HEAVY PARTS

A range of machines for automatically washing very large and heavy parts

Excellent quality cleaning is achieved through the slow rotation of the basket and special nozzles. The PLC enables the treatment to be customized.



ROBUR 1B
1000 | 1200 | 1400
1800 | 2200

LOW TEMPERATURE LT
Maximum temperature setting 60°C

ALTA TEMPERATURA HT
Maximum temperature setting 80°C

ROBUR 1B

EQUIPMENT

Standard

- Timed vapour extraction.
- External trolley made of Aisi 304 Stainless Steel with drip tray and wheels with safety brake
- ISO pneumatic cylinders and «anti-fall» pneumatic safety valves
- Minimum level probe of liquid in the tanks to protect the pump and heating resistances
- Maximum level probe of liquid in the tanks and solenoid valve for automatic water filling
- Two-hand control for closing the door with safety control unit
- Vertical multistage electric pump made of Aisi 304 Stainless Steel with special gaskets
- Box filter with 6 hat filters made of Aisi 304 Stainless Steel for pre-filtering the liquid returning to the tank.
- Double mesh pump intake filters made of Aisi 304 Stainless Steel
- Safety limit switch on door opening
- Electrical system IP65, touch-screen control PLC (DGT V4)

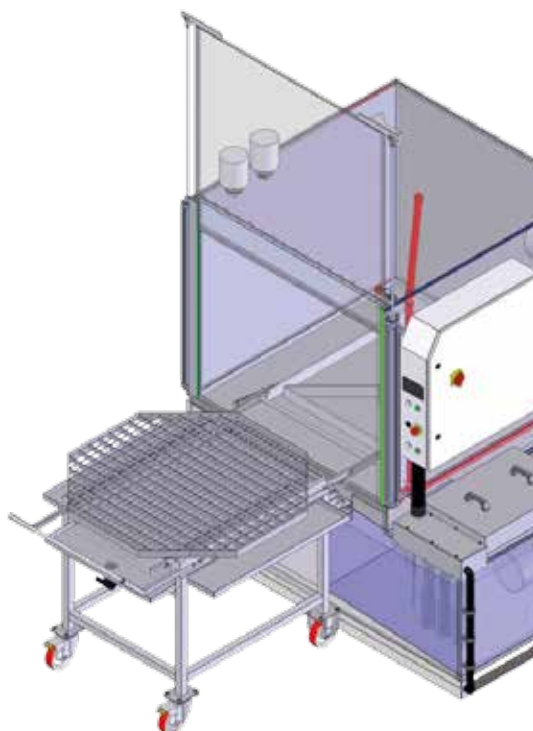
- Basket rotation gearmotor with torque limiter and centring sensor
- Reinforced platform in pressed grid made of galvanised iron with raised external edge
- Weekly schedule to turn on the heating and the oil separator (if installed)
- Vertical electrical heating resistances made of Incoloy Stainless Steel
- Tanks accessible from the outside and sludge discharge hatch for easy cleaning
- Structure and sheet metalwork in contact with liquid made of STAINLESS steel
- Lower support structure made of steel
- Triple door seal (lower, upper and side) and gaskets on all tank covers.
- Laser-machined washing/rinsing pipes made of Aisi 304 Stainless Steel

HT model

- Compliant thermal insulation with Stainless Steel panels

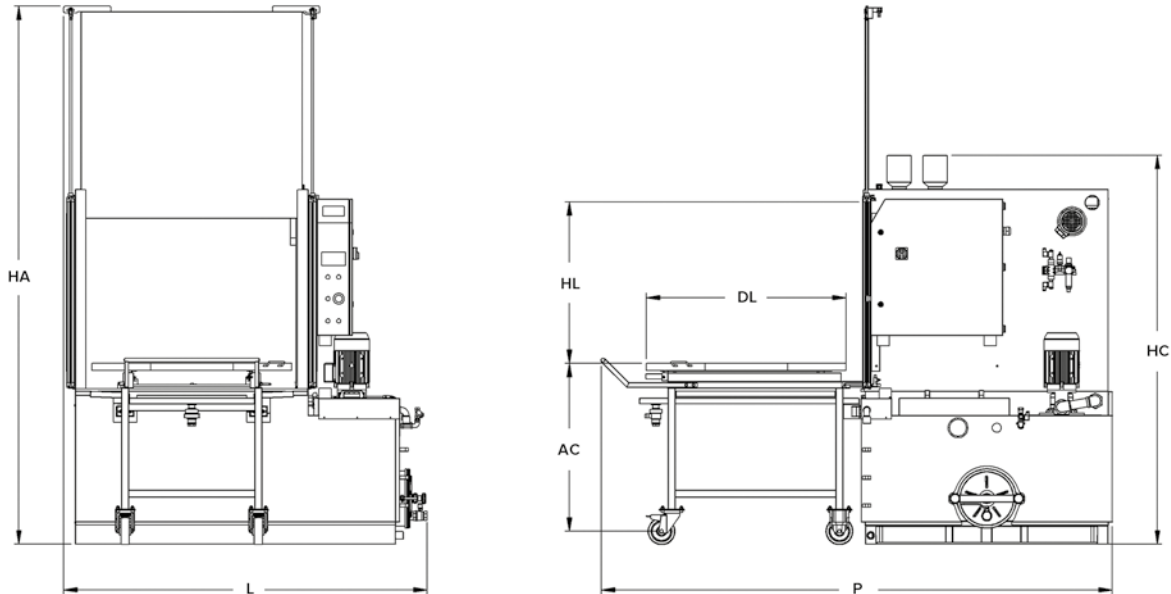
TECHNICAL DATA

TECHNICAL DATA	ROBUR 1000 1B	ROBUR 1200 1B	ROBUR 1400 1B	ROBUR 1800 1B	ROBUR 2200 1B
Overall dimensions when closed (L x P x H)	203 x 258 x 200 cm	226 x 298 x 210 cm	246 x 330 x 220 cm	279 x 396 x 232 cm	326 x 480 x 236 cm
Overall dimensions when open (L x P x H)	203 x 258 x 275 cm	226 x 298 x 295 cm	246 x 330 x 315 cm	279 x 396 x 337 cm	326 x 480 x 345 cm
Washing capacity (Ø x HL)	90 x 70 cm	110 x 80 cm	128 x 90 cm	165 x 100 cm	200 x 100 cm
Loading capacity	600 kg	600 kg	600 Kg	800 Kg	800 Kg
Washing tank capacity	450 l	550 l	750 l	1000 l	1200 l
Washing pump	4 kw 5 bar 250 l/min	4 kw 5 bar 280 l/min	4 kw 5 bar 300 l/min	5,5 kw 5 bar 350 l/min	5,5 kw 5 bar 400 l/min
High pressure washing pump	5,5 kw 7,5 bar 250 l/min	5,5 kw 7,5 bar 280 l/min	7,5 kw 7,5 bar 300 l/min	7,5 kw 7,5 bar 350 l/min	7,5 kw 7,5 bar 400 l/min
Washing heating	12,0 kw	18,0 kw	24,0 kw	30,0 kw	40,0 kw
Mechanical rotation	0,18 kw	0,18 kw	0,18 kw	0,18 kw	0,18 kw
Vapour extractor	0,25 kw 320 m³/h	0,25 kw 320 m³/h	0,37 kw 580 m³/h	0,37 kw 580 m³/h	2 x 0,37 kw 1160 m³/h
Disc oil separator	0,09 kw	0,09 kw	0,09 kw	0,09 kw	0,09 kw
Vapour condenser	0,20 kw	0,20 kw	0,48 kw	0,48 kw	0,48 kw
Tank emptying pump	0,37 kw	0,37 kw	0,37 kw	0,37 kw	0,37 kw
Drying	5,2 kw	5,2 kw	5,2 kw	8,2 kw	8,2 kw
Burner heating	0,17 kw	0,17 kw	0,17 kw	0,17 kw	0,17 kw
Blowing (compressed air, 6 bar)	400 m³/h	450 m³/h	550 m³/h	700 m³/h	800 m³/h
Power supply	3Ph + N + PE	3Ph + N + PE	3Ph + N + PE	3Ph + N + PE	3Ph + N + PE
Supply voltage	400V 50 Hz	400V 50 Hz	400V 50 Hz	400V 50Hz	400V 50Hz



DIMENSIONS

DIMENSIONS	ROBUR 1000 1B	ROBUR 1200 1B	ROBUR 1400 1B	ROBUR 1800 1B	ROBUR 2200 1B
L (Width)	203 cm	226 cm	246 cm	279 cm	326 cm
P (Depth)	258 cm	298 cm	330 cm	396 cm	480 cm
HA (Open height)	275 cm	295 cm	315 cm	337 cm	345 cm
HC (Closed height)	200 cm	210 cm	220 cm	232 cm	236 cm
DL (Washing diameter)	90 cm	110 cm	128 cm	165 cm	200 cm
HL (Washing height)	70 cm	80 cm	90 cm	100 cm	100 cm
AC (Loading height)	95 cm	95 cm	95 cm	95 cm	95 cm



CONNECTIONS

CONNECTIONS	ROBUR 1000 1B	ROBUR 1200 1B	ROBUR 1400 1B	ROBUR 1800 1B	ROBUR 2200 1B
Tank drainage outlet	F 1" 1/4 gas	F 1" 1/4 gas	F 1" 1/4 gas	F 1" 1/4 gas	F 1" 1/4 gas
Oil separator drainage outlet	M 1/2" gas	M 1/2" gas	M 1/2" gas	M 1/2" gas	M 1/2" gas
Vapour extraction outlet	Ø 80 mm	Ø 80 mm	Ø 100 mm	Ø 100 mm	Ø 100 mm
Water filling solenoid valve	F 1/2" gas	F 1/2" gas	F 1/2" gas	F 1/2" gas	F 1/2" gas
Compressed air blowing solenoid valve	F 1" gas	F 1" gas	F 1" gas	F 1" gas	F 1" gas
Compressed air commands inlet	F 1/4" gas	F 1/4" gas	F 1/4" gas	F 1/4" gas	F 1/4" gas
Emptying pump	F 1" 1/4 gas	F 1" 1/4 gas	F 1" 1/4 gas	F 1" 1/4 gas	F 1" 1/4 gas
Burner flue methane/gas	Ø 130 mm	Ø 130 mm	Ø 130 mm	Ø 130 mm	Ø 130 mm

ACCESSORIES

- Increased washing cabinet height [1]
- Drying with resistance and air-blade side channel blower
- Increased platform loading capacity by 500 kg
- Automatic loading and unloading [2]
- Additional external trolley
- Thermal insulation of bag filter
- Thermal insulation of parallel mounted duplex bag filter
- Electric vapour condenser for lowering the quantity of vapour given off (page 39)
- Disoil P LT or HT (page 40)
- Disc oil separator with dedicated gearmotor
- Double piping greater than half the height, can be excluded
- Chemical product doser
- Fine mesh box filters
- Double Stainless Steel bag filter mounted in parallel on the pump delivery pipe
- Stainless Steel bag filter on the pump delivery pipe
- Manual washing and blowing with hoses and washing gun [3]
- Motorized platform
- Additional STAINLESS steel platform
- Additional galvanized steel platform
- Platform and spider made of Aisi 304 Stainless Steel
- PLC Siemens S1200 - HMI Siemens KTP touch-screen
- Tank emptying pump
- High pressure washing pump
- Customizations for use with abrasive contaminants in the washing fluid
- Customizations for use with strongly caustic chemical products
- Fixed loading and unloading station in place of the trolley
- Heating with diesel or natural gas burner [4]
- Heating with water/water or vapour/water heat exchanger
- Rinsing with non-reusable mains water into tank with overflow
- Motorized rotation of nozzles, fixed parts-support platform
- Pickling of internal welding
- Blowing with compressed air and independent pipes
- Removable edges of the platform made of Aisi 304 Stainless Steel
- Loading and unloading station (height reduced by 130mm) [5]
- System retention tank made of Aisi 304 Stainless Steel

