

SIMPLEX BIG 2B

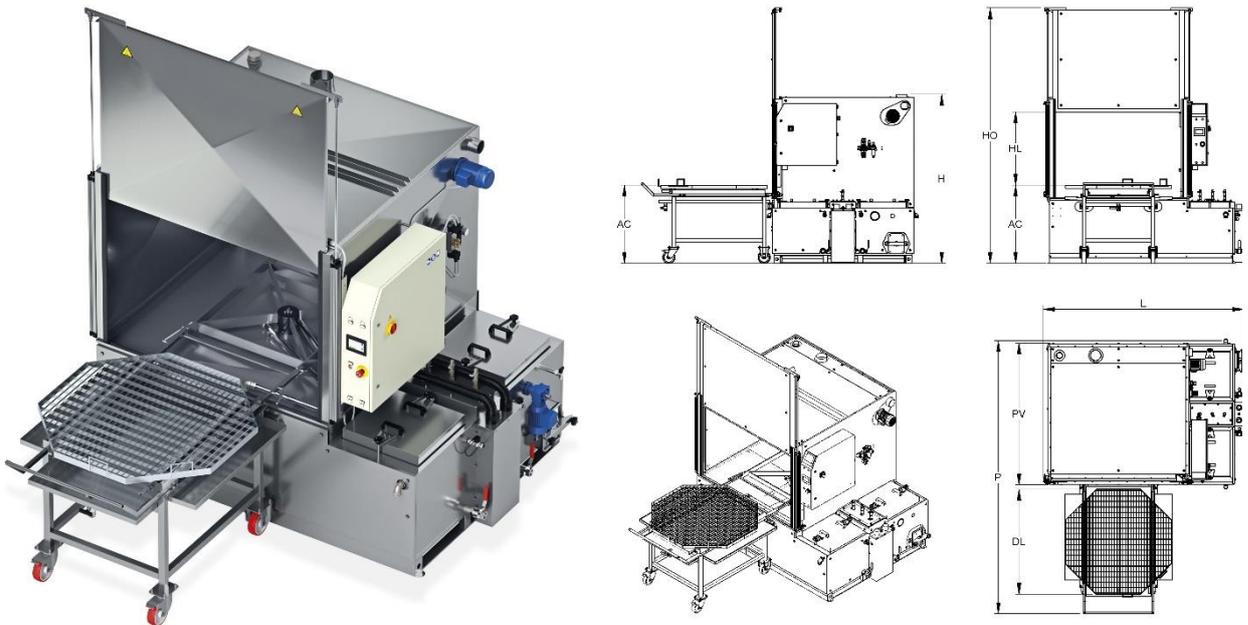
Simplex Big performs the successful automatic washing of medium and large size mechanical parts.

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 | S10002B | S12002B | S14002B | S18002B | S22002B | S26002B |
|---------------------------------|---------|---------|---------|---------|---------|---------|
| 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 |
| noise HT (RU_HT) | 70 dBa |
| noise LT (RU) | 75 dBa |
| tank depth (PV) | 135 cm | 155 cm | 175 cm | 210 cm | 255 cm | 310 cm |
| tank width (LV) | 135 cm | 155 cm | 175 cm | 210 cm | 255 cm | 300 cm |
| washing height (HL) | 70 cm | 80 cm | 90 cm | 100 cm | 100 cm | 100 cm |
| weight (W) | 700 Kg | 850 Kg | 1000 Kg | 1300 Kg | 1600 kg | 2200 kg |
| width (L) | 205 cm | 230 cm | 250 cm | 280 cm | 330 cm | 375 cm |
| working diameter (DL) | 90 cm | 110 cm | 128 cm | 165 cm | 200 cm | 240 cm |

| Connections | S10002B | S12002B | S14002B | S18002B | S22002B | S26002B |
|--------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Cabin vent outlet | Ø125 mm |
| Compressed air blower solenoid valve | F 1" |
| Compressed air intake | F 1/4" |
| Deoiling oil drain | M 1/2" |
| Emptying pump | F 1" |
| Overflow drain | 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 |
| Water filling solenoid valve | 2 x F 1/2" |

| Technical data | S10002B | S12002B | S14002B | S18002B | S22002B | S26002B |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 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 |

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|---------------------------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 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 |
| 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 | 0,17 kW - 30000 kcal/h |
| Heating tank 1 | 10 kW | 12 kW | 16 kW | 20 kW | 30 kW | 30 kW |
| Heating tank 2 | 10 kW | 12 kW | 16 kW | 20 kW | 30 kW | 30 kW |
| High pressure pump 1 | 4 kW - 5/6 bar - 200/150 lt/min | 4 kW - 5/6 bar - 200/150 lt/min | 4 kW - 5/6 bar - 250/200 lt/min | 5,5 kW - 5/6 bar - 350/300 lt/min | 5,5 kW - 5/6 bar - 350/300 lt/min | 5,5 kW - 5/6 bar - 400/350 lt/min |
| High pressure pump 2 | 4 kW - 5/6 bar - 200/150 lt/min | 4 kW - 5/6 bar - 200/150 lt/min | 4 kW - 5/6 bar - 250/200 lt/min | 5,5 kW - 5/6 bar - 350/300 lt/min | 5,5 kW - 5/6 bar - 350/300 lt/min | 5,5 kW - 5/6 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 |
| 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 | 250 lt | 300 lt | 400 lt | 550 lt | 750 lt | 750 lt |
| Tank 2 capacity | 250 lt | 300 lt | 400 lt | 550 lt | 750 lt | 750 lt |
| Tank emptying pump | 0,37 kW | 0,37 kW | 0,37 kW | 0,37 kW | 0,37 kW | 0,37 kW |

| Technical features | S10002B | S12002B | S14002B | S18002B | S22002B | S26002B |
|--|---------|---------|---------|---------|---------|---------|
| Aisi 304 stainless steel filter in pump intake | ★ | ★ | ★ | ★ | ★ | ★ |
| AISI 304L stainless steel electric pump with special seals | ★ | ★ | ★ | ★ | ★ | ★ |
| 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 | ★ | ★ | ★ | ★ | ★ | ★ |
| Pneumatic opening and closing of the lid with 2 safety hands control | ★ | ★ | ★ | ★ | ★ | ★ |
| Reinforced pressed grating platform | ★ | ★ | ★ | ★ | ★ | ★ |
| 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 | S10002B | S12002B | S14002B | S18002B | S22002B | S26002B | Cod. |
|---|---------|---------|---------|---------|---------|---------|-------|
| Additional basket/platform in galvanised steel | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | CEZ |
| Additional basket/platform in stainless steel | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | CEX |
| 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 |

| Accessories | S10002B | S12002B | S14002B | S18002B | S22002B | S26002B | Cod. |
|---|---------|---------|---------|---------|---------|---------|----------|
| 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 |
| 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 |
| 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 |

Accessories notes legend

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

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