

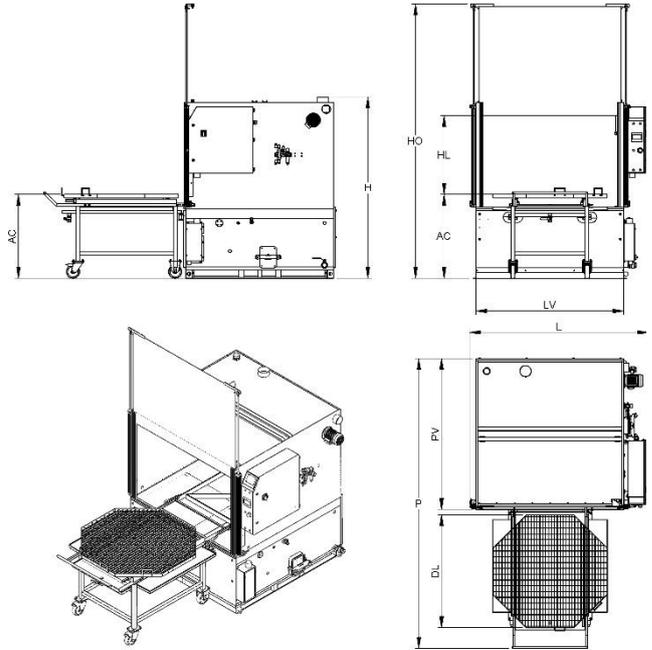
SIMPLEX BIG

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.

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	S1000	S1200	S1400	S1800	S2200	S2600
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				
noise HT (RU_HT)	70 dBa	70 dBa				
noise LT (RU)	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	300 cm
washing height (HL)	70 cm	80 cm	90 cm	100 cm	100 cm	100 cm
weight (W)	500 Kg	600 Kg	700 Kg	900 Kg	1200 kg	1500 kg
width (L)	165 cm	185 cm	205 cm	240 cm	285 cm	330 cm
working diameter (DL)	90 cm	110 cm	128 cm	165 cm	200 cm	240 cm

Connections	S1000	S1200	S1400	S1800	S2200	S2600
Cabin vent outlet	Ø125 mm	Ø125 mm				
Compressed air blower solenoid valve	F 1"	F 1"				
Compressed air intake	F 1/4"	F 1/4"				
Deoiling oil drain	M 1/2"	M 1/2"				
Emptying pump	F 1"	F 1"				
Natural gal/ Gasoil burner flue	Ø130 mm	Ø130 mm				
Steam extraction	Ø80 mm	Ø80 mm	Ø100 mm	Ø100 mm	2 x Ø100 mm	2 x Ø100 mm
Tank liquid drain	F 1" 1/4	F 1" 1/4				
Water filling solenoid valve	F 1/2"	F 1/2"				

Technical data	S1000	S1200	S1400	S1800	S2200	S2600
Compressed air blowing	160 Nmc/h @ 4 bar	170 Nmc/h @ 4 bar	200 Nmc/h @ 4 bar	240 Nmc/h @ 4 bar	275 Nmc/h @ 4 bar	350 Nmc/h @ 4 bar

Technical data	S1000	S1200	S1400	S1800	S2200	S2600
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	0,17 kW - 30000 kcal/h	0,17 kW - 30000 kcal/h
Heating tank 1	12 kW	12 kW	18 kW	30 kW	40 kW	40 kW
High pressure pump 1	4 kW - 5/6 bar - 200/150 lt/min	4 kW - 5/6 bar - 200/150 lt/min	5,5 kW - 5/6 bar - 300/250 lt/min	5,5 kW 5/6 bar 230 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	280 lt	350 lt	500 lt	700 lt	1000 lt	1000 lt
Tank emptying pump	0,37 kW	0,37 kW	0,37 kW	0,37 kW	0,37 kW	0,37 kW

Technical features	S1000	S1200	S1400	S1800	S2200	S2600
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	★	★	★	★	★	★
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	★	★	★	★	★	★
Stainless steel electric pump with special seals	★	★	★	★	★	★
Structure and sheet metal in contact with liquid in AISI 304L stainless steel	★	★	★	★	★	★
Thermal tank insulation	★	★	★	★	★	★
Timed electric exhaustion of steam	★	★	★	★	★	★
Triple seal on the door	★	★	★	★	★	★
Weekly programming to start heating and deoiler (if installed)	★	★	★	★	★	★

Accessories	S1000	S1200	S1400	S1800	S2200	S2600	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
Bag filter in stainless steel, installed in the bath 1	✓	✓	✓	✓	✓	✓	FS#1
Centrifugal steam condenser M [D]	X	X	✓	✓	✓	✓	CCE_M
Centrifugal steam condenser S [D]	✓	✓	X	X	X	X	CCE_S
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

Accessories	S1000	S1200	S1400	S1800	S2200	S2600	Cod.
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
Emptying pump	✓	✓	✓	✓	✓	✓	SV
External pneumatic oil separator with stainless steel floats	✓	✓	✓	✓	✓	✓	DHT
Heating with diesel burner	✓	✓	✓	✓	✓	✓	RBG
Heating with natural gas burner	✓	✓	✓	✓	✓	✓	RBM
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
Mixed resin demineralizer M50 with conductivity meter	✓	✓	✓	✓	✓	✓	ADD
Motor-driven rotation of the pipes	✓	✓	✓	✓	✓	✓	RMT
Panels under the basket with cap filter for collecting chips [A]	✓	✓	✓	✓	✓	✓	PSC
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 washing tank	✓	✓	✓	✓	✓	✓	RSL
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
Two-hands control for basket rotation with opened lid	✓	✓	✓	✓	✓	✓	CDMROT

Accessories notes legend

[A]: It is included in the HT version

[B]: it is mandatory to add the panels under the basket (if present in the price list for this model)

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

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