

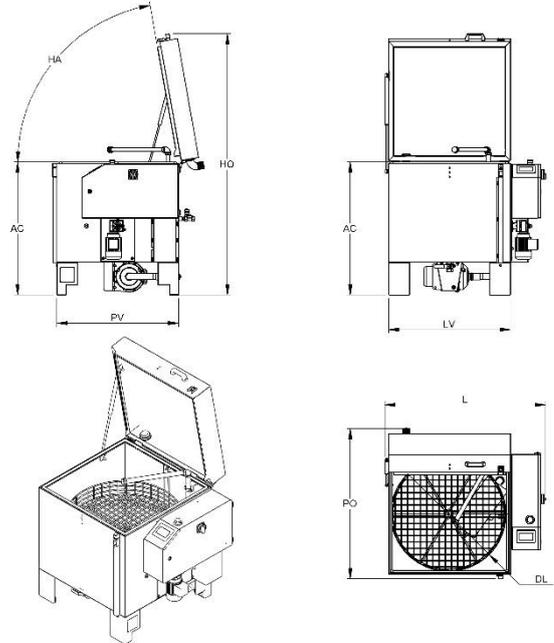
## SIMPLEX SMALL

Simplex 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	S80
depth with opened machine (PO)	105 cm
height with opened machine (HO)	185 cm
loading height (AC)	92 cm
noise HT (RU_HT)	70 dBa
noise LT (RU)	75 dBa
opening angle (HA)	80°
opening angle (with pneumatic opening) (HA_APC)	80°
tank depth (PV)	84 cm
tank width (LV)	84 cm
washing height (HL)	43 cm
weight (W)	98 Kg
width (L)	112 cm
working diameter (DL)	78 cm

Connections	S80
Cabin vent outlet	Ø50 mm
Compressed air blower solenoid valve	F 1"
Decoiling oil drain	M 1/2"
Electrical connection: plug	3P+N+PE 16A
Emptying pump	F 1"
Steam extraction	Ø50 mm
Tank liquid drain	F 1"
Water filling solenoid valve	F 1/2"

Technical data	S80
Compressed air blowing	105 Nmc/h @ 4 bar
Disk oil separator	0,09 kW

Technical data	S80
Drying	4,5 kW
Heating tank 1	4 kW
High pressure pump 1	2,2 kW - 5/6 bar - 150/100 lt/min
Load capacity	100 kg
Motor for parts rotation	0,09 kW
Pump 1	0,55 kW - 2/3 bar - 100/75 lt/min
Steam exhauster	0,09 kW 70 Nmc/h
Tank 1 capacity	130 lt
Tank emptying pump	0,37 kW

Technical features	S80
Aisi 304 stainless steel filter in pump intake	★
AISI 304L stainless steel washing pipelines with professional stainless steel flat nozzles	★
Automatic calculation of electricity consumption in real time	★
Color 4" touchscreen display for settings and programs	★
Cover border gasket	★
Door closure assisted with gas springs and fastening hook	★
Drain valves for emptying tanks	★
Heating of the liquid with stainless steel electric heating element	★
HT Version	★
Intake and delivery pump hose (easy maintenance)	★
Internal ed external welding bleaching	★
IP55 main electrical box, management with touchscreen PLC (DGT V4)	★
Manual water filling valve	★
Mechanical rotation of basket via gearmotor	★
Minimum level switch	★
Reinforced basket in electrically welded mesh with external border in galvanized steel	★
Safety limit switch on cover opening	★
Siemens electric power parts	★
Stainless steel electric pump with special seals	★
Structure and sheet metal in contact with liquid in AISI 304L stainless steel	★
Weekly programming to start heating and deoiler (if installed)	★

Accessories	S80	Cod.
Automatic chemical product dispenser, installed in bath 1	✓	DAD#1
Bag filter in stainless steel, installed in the bath 1	✓	FS#1
Basket in stainless steel AISI 304L instead of the galvanized one	✓	CAX
Centrifugal steam condenser S on wheels [C]	✓	CCEC_S
Compact pneumatic oil separator	✓	MD
Compressed air blowing [B]	✓	SAC
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 integrated into basket rotation	✓	DB1_INT
Electrical board installed on the opposite side of the standard one	✓	QSX
Emptying pump	✓	SV
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
Industry 5.0 Ready (Energy Meter)	✓	IND5
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
Machine equipped with wheels for handling [D]	✓	RUO
Magnetic spark plug for bag filter size 2 for ferrite powder	✓	MAGFS2
Maximum liquid level control in tank 1 and filling solenoid valve	✓	RIEMP#1
Mixed resin demineralizer M20 with conductivity meter	✓	ADDP
Panels under the basket with cap filter for collecting chips [A]	✓	PSC

<b>Accessories</b>	<b>S80</b>	<b>Cod.</b>
PLC Siemens S7 1200 - HMI touchscreen Weintek	✓	PLS
Pneumatic opening and closing of the lid with two-manual control	✓	APC
Pressure regulating valve, with pressure gauge	✓	VRPM
Second ramp of washing nozzles [L]	✓	STR
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
Steam extraction [A]	✓	ASP
Upper ramp fastened to the cover [E]	✓	RSCO

**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)

[C]: it is mandatory to add the vapor extraction (if it is not already included in the chosen model)

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

[E]: the useful washing height is reduced by 20 mm

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

[H]: the loading height could be different to get an ergonomic height of the gloves for the manual use

[L]: the high pressure pump is required

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