

SIMPLEX 100/120

PARTS WASHERS WITH ROTARY BASKET, PLC AND TOUCHSCREEN

Simplex is a system ideal for the automatic washing of small and medium size mechanical parts. The washing is carried out by the action of upper, lower and side jets.

The slow rotation of the basket is ensured by a gear motor.

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



- SIMPLEX 100
- SIMPLEX 120

VERSION

Electric, LT, maximum adjustable temperature at 60°C
Electric, HT, maximum adjustable temperature at 80°C

SUPPLY VOLTAGE

400V 3PH+N+T 50 HZ (and more on demand)



EQUIPMENT

What is included in all Simplex 100 e 120 machines

- Electric timed steam extraction
- Reinforced basket in electrowelded net with external edge of galvanized steel
- Electric pump in stainless steel AISI 304 with special Gaskets
- Filter in stainless steel AISI 304 on the pump suction
- Tank edge Gasket in EPDM
- Electrical resistor in stainless steel Incoloy
- Mechanical rotation of the basket by a gear motor
- IP 65 electric system with PLC (DGT V4)
- Structure and plates in stainless steel
- Flexible suction and pump delivery pipes
- Tank liquid minimum level control for the protection of pump and resistor
- Tank liquid maximum level control and solenoid valve for automatic water intake

- Safety limit switch on the cover opening
- Laser-drilled washing pipes in stainless steel (more pressure, less maintenance)
- Weekly programming for the activation of heating and oil separator (if installed)

What HT version offers

- Electric steam extraction
- Thermal insulation with panels in stainless steel AISI 430
- Safety limit switch with cover opening lock during the cycle
- Panels under the basket with trap filter for grease and chip collection

What are the additional accessories

- Pneumatic opening and closing of the cover with safety control [1]
- Resistor and blower drying [D] [2]
- Steam extraction (patented system) [C]
- Additional external trolley for CES
- Basket in stainless steel AISI 304 [3]
- Centrifugal steam condenser with wheels [4]
- External trolley in stainless steel AISI 304 [A] [5]
- Additional basket for CES
- Thermal insulation of bag filter
- Automatic liquid detergent dispenser during washing [6]
- Disc oil separator with gear motor [7]
- External pneumatic oil separator - HT [8]
- Bag filter on the washing pump delivery pipe [E] [9]
- Teflon and Viton Gaskets [B]
- Manual washing with pump external commands and rotation [10]
- Kit for use with abrasive contaminants
- Kit for use with strongly caustic chemical products
- High pressure washing pump [11]
- Panels under the basket with grease collecting filters [C] [12]
- Retention tank in stainless steel [13]
- Compressed air blowing and independent pipes [D] [14]
- Internal welding bleaching
- Tank emptying pump [15]
- Pipes with blade-nozzle in stainless steel

[A] Useful washing height is reduced by 120 mm, stainless steel basket is compulsory

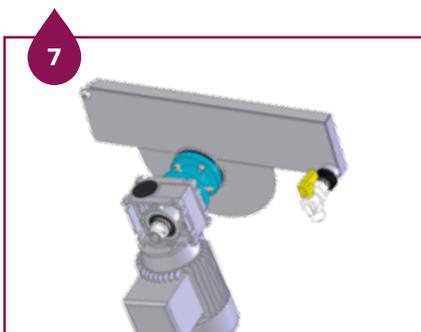
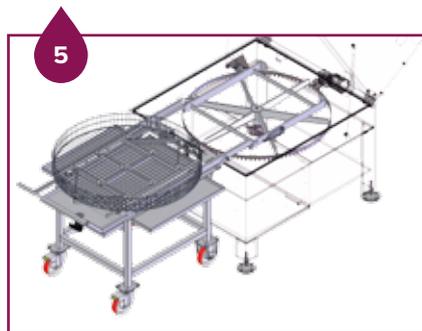
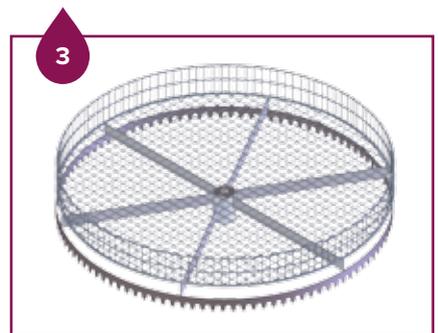
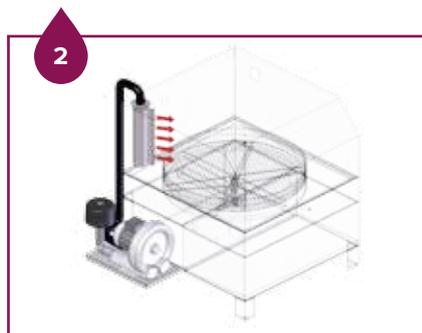
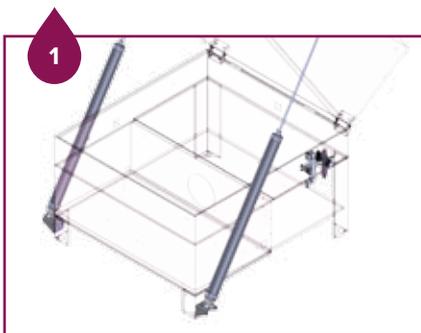
[B] Tank edge Gasket excluded

[C] Included in HT version

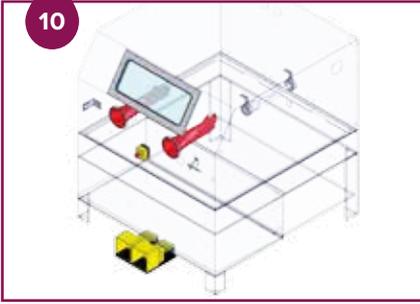
[D] Steam extraction and panels under the basket compulsory

[E] Thermal insulation of bag filter in the HT version compulsory

FLEXIBILITY
FLEXIBILITY



10



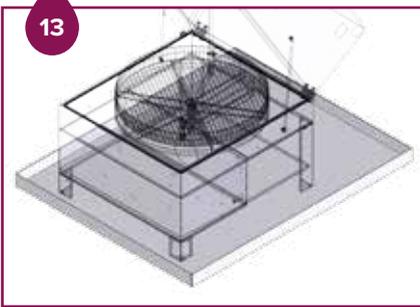
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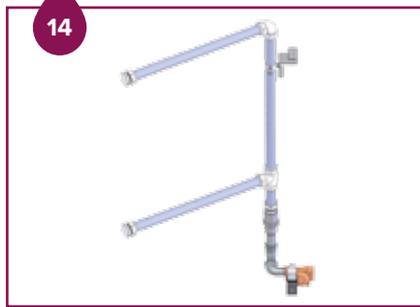
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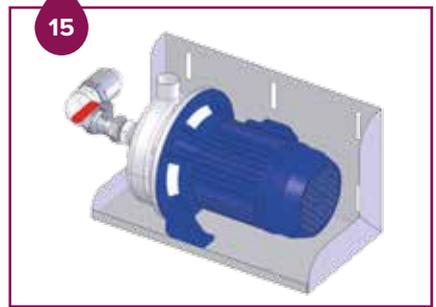
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14



15



TECHNICAL DATA

TECHNICAL DATA	SIMPLEX 100	SIMPLEX 120
Closed machine overall dimensions (L x P x H)	146 x 144 x 125 cm	166 x 159 x 145 cm
Opened machine overall dimensions (L x P x H)	146 x 175 x 191 cm	166 x 206 x 211 cm
Washing capacity (Ø x H)	97 x 54 cm	117 x 70 cm
Basket load capacity	200 kg	300 Kg
Tank capacity	210 lt	270 lt
Washing pump	1,5 kW 2,5 bar 200 lt/min	1,5 kW 2,5 bar 200 lt/min
High pressure washing pump	3,0 kW 6,0 bar 250 lt/min	3,0 kW 6,0 bar 250 lt/min
Washing heating	6,0 kW	8,0 kW
Mechanical rotation	0,09 kW	0,09 kW
Steam extractor	0,25 kW 320 m ³ /h	0,25 kW 320 m ³ /h
Disc oil separator	0,09 kW	0,09 kW
Steam condenser	0,20 kW	0,20 kW
Tank emptying pump	0,37 kW	0,37 kW
Drying	4,5 kW	4,5 kW
Blowing (air consumption at 4 bar)	300 Nm ³ /h	300 Nm ³ /h
Supply	3PH+N+PE	3PH+N+PE
Number of nozzles	49	49

CONNECTIONS

TYPE	SIMPLEX 100	SIMPLEX 120
Steam drain outlet	Ø 80	Ø 80
Tank drain outlet	F 1" Gas	F 1" Gas
Water filling solenoid valve	F 3/4" Gas	F 3/4" Gas
Oil separator drain outlet	M 1/2" Gas	M 1/2" Gas
Compressed air blowing solenoid valve	F 3/4" Gas	F 3/4" Gas

DIMENSIONS

DIMENSIONS	SIMPLEX 100	SIMPLEX 120
L (width)	146 cm	166 cm
P (depth)	175 cm	206 cm
H (height)	191 cm	211 cm
DL (washing diameter)	97 cm	117 cm
HL (washing height)	54 cm	70 cm
AC (loading height)	67 cm	67 cm
LV (tank width)	110 cm	130 cm
PV (tank depth)	120 cm	135 cm
HA (opening angle)	60°	60°

