



THE NEW TEKNOX APP

This application wants to be an additional tool that Teknox puts in place to improve and speed up the services and communication with its customers and the sales department.

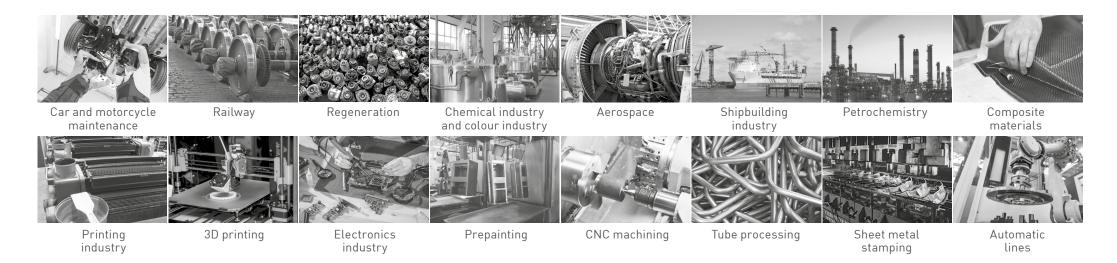
Thanks to the application are available different services, such as: the form for the request of spare parts, the form for the data collection for new projects, the complete interactive catalogue with images, videos, technical data and much more.



The company, born as SME in 1967, has become over the years the reference point in the field of piece washing.

Today the production includes:

- EQUIPMENT FOR WASHING PARTS IN THE MAINTENANCE DEPARTMENTS
- PLANTS FOR THE SURFACE TREATMENT OF PARTS IN PRODUCTION CYCLE





More than 50 years of experience 6000 sqm of plant

More than 10.000 machines produced 80+ Countries we export to

More than 40 employees

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.









VERSION

- LT (heating up to 60° C)
- HT (heating up to 80° C)



CONTROL

- PLC with colour touchscreen
- Option Industry 4.0



NUMBER OF TANKS

- Single tank



AREAS OF APPLICATION

- Maintenance
- Mechanical industry
- Graphic industry and Paint factory
- Surface treatment

SIMPLEX BIG

1000 1200

1400

1800

2200

2600

TECHNICAL FEATURES

- Pneumatic opening and closing of the lid with 2 safety hands control
- Timed electric exhaustion of steam
- Aisi 304 stainless steel external trolley with drip tray and wheels with safety brake
- ISO pneumatic cylinders and "fall-proof" pneumatic safety valves
- Thermal tank insulation with Aisi 430 stainless steel panels
- Siemens[®] electric power parts
- 4" color touchscreen display for settings and programs
- Aisi 304 stainless steel filter in pump intake
- Triple gasket for door (bottom, top and side)
- Structure and sheet metal in contact with liquid in Aisi 304 stainless steel
- Minimum level switch
- Gearmotor for basket rotation with torque limiter and centering sensor

Three-phase

HT VERSION

Power supply

• Heat insulation with Aisi 430 stainless steel panels

- Sludge drain hatch for simple tank cleaning
- Reinforced pressed grating platform with galvanized steel raised outer edge
- Stainless steel electric pump with special seals
- Weekly programming to start heating and deoiler (if installed)
- IP65 electrical system, management via PLC touchscreen (DGT V4)
- Heating of the liquid with stainless steel electric heating element
- Internal welding bleaching
- Stainless steel bottom section load-bearing structure

Three-phase

• Aisi 304 stainless steel washing pipelines with professional stainless steel flat nozzles

Three-phase

Three-phase

- Drain valves for emptying tanks
- Manual water filling valve

AUTOMATIC WASHING

TECHNICAL DATA	S 1000	S 1200	S 1400	S 1800	S 2200	S 2600
Load capacity	600 kg	600 kg	600 kg	800 kg	800 kg	800 kg
Tank 1 capacity	280 lt	350 lt	500 lt	700 lt	1000 lt	1000 lt
Pump 1	3,0 kW 2,5 bar 300 lt/min	3,0 kW 2,5 bar 350 lt/min	3,0 kW 2,5 bar 400 lt/min	3,0 kW 2,5 bar 450 lt/min	3,0 kW 2,5 bar 500 lt/min	3,0 kW 2,5 bar 500 lt/min
High pressure pump 1	5,5 kW 5 bar 300 lt/min	5,5 kW 5 bar 350 lt/min	5,5 kW 5 bar 400 lt/min	7,5 kw 5 bar 450 lt/min	7,5 kw 5 bar 500 lt/min	7,5 kw 5 bar 500 lt/min
Heating tank 1	12 kW	12 kW	18 kW	30 kW	40 kW	40 kW
Motor for parts rotation	0,18 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
Disk oil separator	0,09 kW					
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
Gas oil or natural gas burner heating	0,17 kW - 30000 kcal/h					
Steam condenser	0,20 kW	0,20 kW	0,48 kW	0,48 kW	0,48 kW	0,48 kW
Tank emptying pump	0,37 kW					
Drying	5,2 kW	5,2 kW	5,2 kW	8,2 kW	8,2 kW	8,2 kW

Three-phase

Three-phase

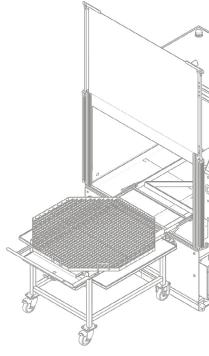
ACCESSORIES

- Maximum liquid level control in tank 1 and filling solenoid valve
- Compressed air blowing [B]
- Hot air drying with resistor and air blade side channel blower [B]
- Demineralizer with mixed resins and conductivity meter
- Increased washing height
- Centrifugal steam condenser (S M)
- Additional basket/platform
- Stainless steel Aisi 304 additional external trolley
- Automatic liquid detergent dispenser, installed in bath 1
- Disc oil separator with dedicated motorization
- External pneumatic oil separator
- Bag filter in stainless steel, installed in the bath 1
- Magnetic spark plug for bag filter for ferrite powder
- Device for remote connection and remote support for HMI Weintek
- Kit for Industry 4.0 for HMI Weintek
- Manual washing and blowing with hoses and washing nozzle
- 80 bar manual washing and blowing with hoses and washing nozzle (both for LT or for HT available)
- Kit for use with abrasive contaminants in the washing liquid
- Stainless steel fittings and valves kit (for parts that are in contact with liquids)

- PLC Siemens® S7 1200 HMI touchscreen Weintek
- High pressure washing pump
- Insulated stainless steel roller shutter front door
- Platform and spider in stainless steel Aisi 304
- Panels under the basket with cap filter for collecting grease and chips
- External platform with hydraulic elevator
- Heating with diesel / natural gas burner
- Stainless steel Aisi 304 retention tank with drip-catcher
- Nebulized rinse from water mains, draining into the washing tank
- Compressed air blowing with upper pipe adjustable in height [B]
- Tank on the opposite side when compered to standard
- Removable edges for grating in stainless steel, H 200 mm
- Emptying pump
- Signal tower for indicating system status
- Various loading / unloading external stations

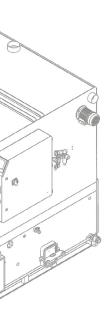
ACCESSORIES NOTES LEGEND

B: panels under the basket are mandatory (if in the price list for that model) C: the useful washing height is reduced by 130 mm



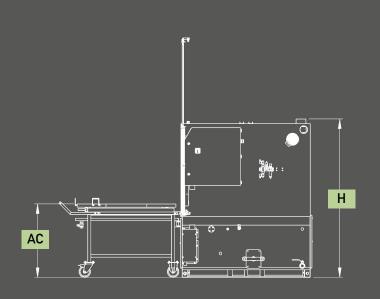
CONNECTIONS	S 1000	S 1200	S 1400	S 1800	S 2200	S 2600
Steam extraction	Ø80 mm	Ø80 mm	Ø100 mm	Ø100 mm	2 x Ø100 mm	2 x Ø100 mm
Tank liquid drain	F 1" 1/4	F 1" 1/4				
Water filling solenoid valve	F 1/2"	F 1/2"				
Deoiling oil drain	M 1/2"	M 1/2"				
Compressed air intake	F 1/4"	F 1/4"				
Compressed air blower solenoid valve	F 1"	F 1"				
Emptying pump	F 1"	F 1" 1/4				
Natural gal/ Gasoil burner flue	Ø130 mm	Ø130 mm				
Cabin vent outlet	Ø130 mm	Ø130 mm				

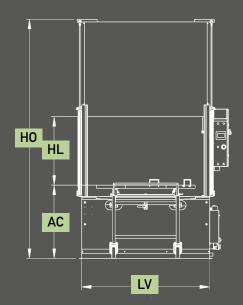


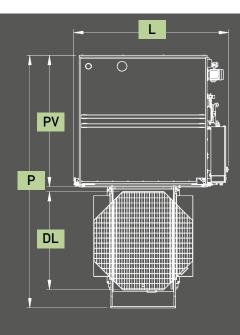


	DIMENSIONS AND LAYOUT	S 1000	S 1200	S 1400	S 1800	S 2200	S 2600
L	width	165 cm	185 cm	205 cm	240 cm	285 cm	325 cm
Р	depth	260 cm	300 cm	330 cm	395 cm	480 cm	560 cm
Н	height	200 cm	210 cm	220 cm	235 cm	240 cm	240 cm
НО	height with opened machine	275 cm	295 cm	315 cm	340 cm	350 cm	350 cm
DL	working diameter	90 cm	110 cm	128 cm	165 cm	200 cm	240 cm
HL	washing height	70 cm	80 cm	90 cm	100 cm	100 cm	100 cm
AC	loading height	95 cm	95 cm				
LV	tank width	135 cm	155 cm	175 cm	210 cm	255 cm	295 cm
PV	tank depth	135 cm	155 cm	175 cm	210 cm	255 cm	295 cm
W	weight	500 Kg	600 Kg	700 Kg	900 Kg	1200 kg	1500 kg
RU	noise LT	75 dBa	75 dBa				
RU_HT	noise HT	70 dBa	70 dBa				

DIMENSIONS AND LAYOUT







SIMPLEX B G 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.









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SIMPLEX BIG

2600

TECHNICAL FEATURES

- Pneumatic opening and closing of the lid with 2 safety hands control
- Timed electric exhaustion of steam
- Aisi 304 stainless steel external trolley with drip tray and wheels with safety brake
- ISO pneumatic cylinders and "fall-proof" pneumatic safety valves
- Thermal tank insulation with Aisi 430 stainless steel panels
- Siemens[®] electric power parts
- 4" color touchscreen display for settings and programs
- Box filter made up of 6 Aisi 304 SS vertical filters for pre-filtration of the liquid flowing back into the tank
- Aisi 304 stainless steel filter in pump intake
- Triple gasket for door (bottom, top and side) and gaskets on all tank lids
- Structure and sheet metal in contact with liquid in Aisi 304 stainless steel
- Minimum level switch

- Gearmotor for basket rotation with torque limiter and centering sensor
- Sludge drain hatch for simple tank cleaning
- Reinforced pressed grating platform with galvanized steel raised outer edge
- Aisi 304 stainless steel electric pump with special seals
- Weekly programming to start heating and deoiler (if installed)
- IP65 electrical system, management via PLC touchscreen (DGT V4)
- Heating of the liquid with stainless steel electric heating element
- Internal welding bleaching
- Tanks accessible from the outside
- Stainless steel bottom section load-bearing structure
- Aisi 304 stainless steel washing pipelines with professional stainless steel flat nozzles
- Drain valves for emptying tanks
- Manual water filling valve

HT VERSION

• Heat insulation with Aisi 430 stainless steel panels

<u>AUTOMATIC WASHING</u>

TECHNICAL DATA	S 1000 2B	S 1200 2B	S 1400 2B	S 1800 2B	S 2200 2B	S 2600 2B
Load capacity	600 kg	600 kg	600 kg	800 kg	800 kg	800 kg
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
Pump 1	3,0 kW 2,5 bar 300 lt/min	3,0 kW 2,5 bar 350 lt/min	3,0 kW 2,5 bar 400 lt/min	3,0 kW 2,5 bar 450 lt/min	3,0 kW 2,5 bar 500 lt/min	3,0 kW 2,5 bar 500 lt/min
High pressure pump 1	5,5 kW 5 bar 300 lt/min	5,5 kW 5 bar 350 lt/min	5,5 kW 5 bar 400 lt/min	7,5 kw 5 bar 450 lt/min	7,5 kw 5 bar 500 lt/min	7,5 kw 5 bar 500 lt/min
Pump 2	3,0 kW 2,5 bar 300 lt/min	3,0 kW 2,5 bar 350 lt/min	3,0 kW 2,5 bar 400 lt/min	3,0 kW 2,5 bar 450 lt/min	3,0 kW 2,5 bar 500 lt/min	3,0 kW 2,5 bar 500 lt/min
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
Motor for parts rotation	0,18 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
Disk oil separator	0,09 kW					
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
Gas oil or natural gas burner heating			0,17 kW - 30000 kcal/h			
Steam condenser	0,20 kW	0,20 kW	0,48 kW	0,48 kW	0,48 kW	0,48 kW
Tank emptying pump	0,37 kW					
	5,2 kW	5,2 kW	5,2 kW	8,2 kW	8,2 kW	8,2 kW
Power supply	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase

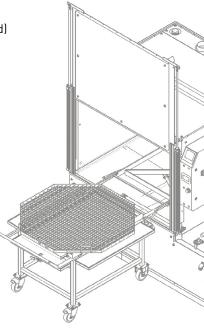
ACCESSORIES

- Maximum liquid level control and filling solenoid valve
- Compressed air blowing [B]
- Hot air drying with resistor and air blade side channel blower [B]
- Demineralizer with mixed resins and conductivity meter
- · Increased washing height
- Centrifugal steam condenser
- Additional basket platform
- Stainless steel Aisi 304 additional external trolley
- Automatic liquid detergent dispenser (available for Tank 1 / 2)
- Disc oil separator with dedicated motorization
- External pneumatic oil separator
- Bag filter in stainless steel
- Magnetic spark plug for bag filter for ferrite powder
- Device for remote connection and remote support for HMI Weintek
- Kit for Industry 4.0 for HMI Weintek
- Manual washing and blowing with hoses and washing nozzle
- 80 bar manual washing and blowing with hoses and washing nozzle (both for LT or for HT available)
- Kit for use with abrasive contaminants in the washing liquid
- Stainless steel fittings and valves kit (for parts that are in contact with liquids)

- PLC Siemens® S7 1200 HMI touchscreen Weintek
- High pressure washing pump
- High pressure rinsing pump
- Circulating pump from tank 2 (most clean) to tank 1 (most contaminated)
- Insulated stainless steel roller shutter front door
- Platform and spider in stainless steel Aisi 304
- External platform with hydraulic elevator
- Stainless steel Aisi 304 retention tank with drip-catcher
- Rinsing by water supply and direct drain outlet
- Nebulized rinse from water mains, draining into the washing tank
- Compressed air blowing with upper pipe adjustable in height [B]
- Tank on the opposite side when compered to standard
- Removable edges for grating in stainless steel, H 200 mm
- Tanks emptying pump (2)
- Signal tower for indicating system status
- Loading/unloading external station (second platform included)

ACCESSORIES NOTES LEGEND

B: panels under the basket are mandatory (if in the price list for that model) C: the useful washing height is reduced by 130 mm

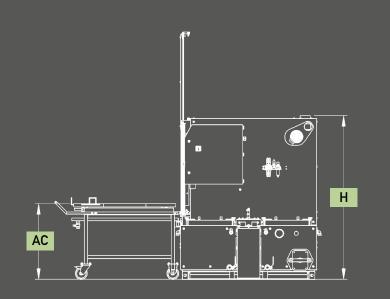


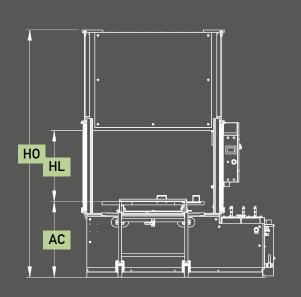
CONNECTIONS S 1000 2B S 1200 2B S 1400 2B S 1	1800 2B S 2200 2B S 2600 2B
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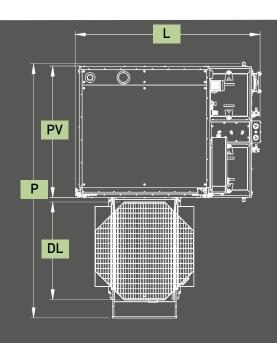
Steam extraction	Ø80 mm	Ø80 mm	Ø100 mm	Ø100 mm	2 x Ø100 mm	2 x Ø100 mm
Tank liquid drain	F 1" 1/4	F 1" 1/4				
Water filling solenoid valve	F 1/2"	F 1/2"				
Deoiling oil drain	M 1/2"	M 1/2"				
Compressed air intake	F 1/4"	F 1/4"				
Compressed air blower solenoid valve	F 1"	F 1"				
Emptying pump	F 1"	F 1"				
Overflow drain	Ø130 mm	Ø130 mm				
Cabin vent outlet	Ø130 mm	Ø130 mm				

	DIMENSIONS AND LAYOUT	S 1000 2B	S 1200 2B	S 1400 2B	S 1800 2B	S 2200 2B	S 2600 2B
L	width	205 cm	230 cm	250 cm	280 cm	330 cm	370 cm
Р	depth	260 cm	300 cm	330 cm	395 cm	480 cm	520 cm
Н	height	200 cm	210 cm	220 cm	235 cm	240 cm	240 cm
НО	height with opened machine	275 cm	295 cm	315 cm	340 cm	350 cm	350 cm
DL	working diameter	90 cm	110 cm	128 cm	165 cm	200 cm	240 cm
HL	washing height	70 cm	80 cm	90 cm	100 cm	100 cm	100 cm
AC	loading height	95 cm					
LV	tank width	135 cm	155 cm	175 cm	210 cm	255 cm	295 cm
PV	tank depth	135 cm	155 cm	175 cm	210 cm	255 cm	295 cm
W	weight	700 Kg	850 Kg	1000 Kg	1300 Kg	1600 kg	2200 kg
RU	noise LT	75 dBa					
RU HT	noise HT	70 dBa					

DIMENSIONS AND LAYOUT







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You Tube

TEKNOX ITALY

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ADDRESS

Via Mori, 6 40054 Prunaro di Budrio Bologna - Italy PHONE

+ 39 051 800862

FAX

+ 39 051 803769

EMAIL

info@teknox.net