

UNIX

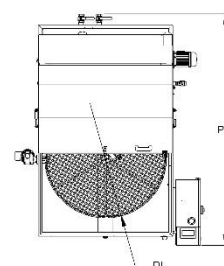
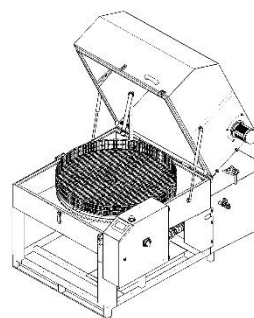
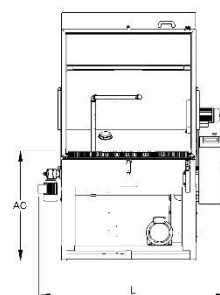
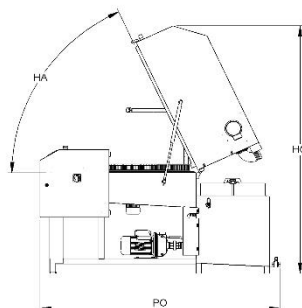
Unix is a system ideal for the automatic washing of small and medium size mechanical parts.

Washing is carried out by the action of upper, lower and side nozzles. The slow rotation of the basket is ensured by a gear motor.

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

The tank with high capacity is separate from the washing chamber, and is on the back side of the machine.

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	U80SZD	U100SZD	U120SZD
depth with opened machine (PO)	173 cm	190 cm	205 cm
height with opened machine (HO)	192 cm	210 cm	230 cm
loading height (AC)	81 cm	81 cm	81 cm
noise HT (RU_HT)	70 dBa	70 dBa	70 dBa
noise LT (RU)	75 dBa	75 dBa	75 dBa
opening angle (HA)	60°	60°	60°
opening angle (with pneumatic opening) (HA_APC)	80°	80°	80°
washing height (HL)	54 cm	54 cm	70 cm
weight (W)	150 Kg	250 Kg	350 Kg
width (L)	125 cm	142 cm	157 cm
working diameter (DL)	78 cm	97 cm	117 cm

Connections	U80SZD	U100SZD	U120SZD
Cabin vent outlet	Ø75 mm	Ø75 mm	Ø75 mm
Compressed air blower solenoid valve	F 1"	F 1"	F 1"
Compressed air intake	F 1/4"	F 1/4"	F 1/4"
Deoiling oil drain	M 1/2"	M 1/2"	M 1/2"
Emptying pump	F 1"	F 1"	F 1"
Steam extraction	Ø80 mm	Ø80 mm	Ø80 mm
Tank liquid drain	F 1"	F 1"	F 1"
Water filling solenoid valve	F 1/2"	F 1/2"	F 1/2"

Technical data	U80SZD	U100SZD	U120SZD
Compressed air blowing	105 Nmc/h @ 4 bar	130 Nmc/h @ 4 bar	150 Nmc/h @ 4 bar
Disk oil separator	0,09 kW	0,09 kW	0,09 kW
Drying	4,5 kW	4,5 kW	4,5 kW
Heating tank 1	6 kW	8 kW	12 kW

Technical data	U80SZD	U100SZD	U120SZD
High pressure pump 1	2,2 kW - 5/6 bar - 150/100 lt/min	3 kW - 5/6 bar - 250/200 lt/min	3 kW - 5/6 bar - 250/200 lt/min
Load capacity	100 kg	200 kg	300 kg
Motor for parts rotation	0,09 kW	0,09 kW	0,09 kW
Pump 1	0,55 kW - 2/3 bar - 100/70 lt/min	1,5 kW - 2/3 bar - 300/250 lt/min	1,5 kW - 2/3 bar - 300/250 lt/min
Steam condenser	0,20 kW	0,20 kW	0,20 kW
Steam exhauster	0,25 kw 320 Nmc/h	0,25 kw 320 Nmc/h	0,25 kw 320 Nmc/h
Tank 1 capacity	230 lt	280 lt	330 lt
Tank emptying pump	0,37 kW	0,37 kW	0,37 kW

Technical features	U80SZD	U100SZD	U120SZD
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	★	★	★
Basket with external edge in AISI 304L stainless steel	★	★	★
Box filter	★	★	★
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	★	★	★
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	★	★	★
Safety limit switch on cover opening	★	★	★
Siemens electric power parts	★	★	★
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	★	★	★
Tanks accessible from the outside	★	★	★
Timed electric exhaustion of steam	★	★	★
Weekly programming to start heating and deoiler (if installed)	★	★	★

Accessories	U80SZD	U100SZD	U120SZD	Cod.
Additional basket/platform in stainless steel	✓	✓	✓	CEX
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 S on wheels [C]	✓	✓	✓	CCEC_S
Compact pneumatic oil separator with stainless steel floats	✓	✓	✓	MD_GAL
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 with dedicated motorization	✓	✓	✓	DB1
Electrical board installed on the opposite side of the standard one	✓	✓	✓	QSX
Emptying pump	✓	✓	✓	SV
External pneumatic oil separator with stainless steel floats	✓	✓	✓	DHT
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
Load capacity increased by 100 kg with calendered slewing ring and stainless steel support bearings	✓	✓	✓	PM100
Magnetic spark plug for bag filter size 2 for ferrite powder	✓	✓	✓	MAGFS2

Accessories	U80SZD	U100SZD	U120SZD	Cod.
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 M20 with conductivity meter	✓	✓	✓	ADDP
Mixed resin demineralizer M50 with conductivity meter	✓	✓	✓	ADD
PLC Siemens S7 1200 - HMI touchscreen Weintek	✓	✓	✓	PLS
Pneumatic opening and closing of the lid with two-manual control	✓	✓	✓	APC
Rinse from water mains, draining into the washing tank	✓	✓	✓	RSL
Rinsing by water supply and direct drain outlet	✓	✓	✓	RSD
Stainless steel AISI 304L additional external trolley	✓	✓	✓	CAA
Stainless steel AISI 304L external trolley with drops-catcher, wheels and safety brakes [G]	✓	✓	✓	CES
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
Upper ramp fastened to the cover [E]	✓	✓	✓	RSCO

Accessories notes legend

[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

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