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Special washing systems

1. Ultrasonic parts washers

The ultrasonic washing system by Dosanova has been designed for a heavy and continuous use due to its high quality materials and to the latest technology. Ultrasonic washing is carried out by Weber Ultrasonics GmbH generators and transducers. Standard machines include an automatic mobile platform for high loading capacity in stainless steel, an additional tank for oil-trimming collection and circulating pump.

K-series part washers help you to wash parts in immersion with ultrasonic equipment. The machines consist of a main tank

with the detergent water-based solution. The platform where parts are placed is automatically immersed in the liquid and the whole surface is entirely washed through the ultrasonic action. The automatic washing process is set by a touchscreen display and operator is free to work on other tasks. Once the cycle is finished, the operator can remove the cleaned and degreased parts from the platform surface. An additional tank is equipped for the oil removal through the action of a circulation pump. A filter then enables the liquid filtering to remove small solid residues.

What is included in each SERIE K

- Minimum level control.
- 4" touchscreen display for settings and programs.
- Made in Germany generator and transducers, 2-year warranty.
- Generator embedded in the switchboard.
- Automatic lifting and immersion platform.
- Circulating pump for oil-trimming filtering and removal.
- Ultrasonic transducers in the front and back side of the machine.
- Blow valve for tank emptying.



Technical data	K100	K200	K300	K500
Useful washing size (cm)	64 x 34 x H34	88 x 47 x H38	100 x 55 x H45	120 x 65 x H55
Overall dimensions (cm)	135 x 85 x H170	155 x 95 x H175	190 x 110 x H190	200 x 110 x H190
Washing tank (Liter)	150	250	350	550
Oil tank (liter)	30	40	60	80
Heating power	4 kW	6 kW	10 kW	16 kW
Lifting platform capacity	100 kg	100 kg	200 kg	300 kg
Ultrasonic power (peak/effective) 40Hz	2000w / 1000W 40kHz	4000w / 2000W 40kHz	6000w / 3000W 40kHz	8000w / 4000W 40kHz

2. Manual parts washers

LAVAPEN parts washer makes it possible to manually wash parts inside a closed and wholly safe cabin.

The operator places the parts inside the machine, closes the cover and puts his arms in the gloves, then presses the pedal to make the spraying pump work.

A non-slip hand grip spray nozzle allows operators to wash all parts holes thoroughly and those parts difficult to reach.

3 different sizes of machines and types of cleaning are available:

- fully pneumatic for the use of strongly aggressive products (P version)
- electric supply for water-based liquid heating to 60 °C with a max washing pressure of 9 bar (C version)
- electric supply for water-based liquid heating to 60 °C with a max washing pressure up to 80 bar (X version)



Technical data	Series	LP2	LP3	LP4
Closed machine overall dimensions (L x P x H)	P - C - X	92 x 69 x 160H cm	117 x 84 x 160H cm	142 x 94 x 160H cm
Opened machine overall dimensions (L x P x H)	P - C - X	92 x 98 x 170H cm	117 x 111 x 180H cm	142 x 120 x 188H cm
Washing capacity (L x P x H)	P - C - X	70 x 55 x 45H cm	95 x 70 x 45H cm	120 x 80 x 45H cm
Basket load capacity	P - C - X	70 kg	70 kg	70 kg
Tank capacity	P - C - X	40 lt	75 lt	90 lt
	P	5 bar - 2 lt/min	5 bar - 2 lt/min	5 bar - 2 lt/min
Washing pump	C	0,75 kW - 9 bar 10 lt/min	0,75 kW - 9 bar 10 lt/min	0,75 kW - 9 bar 10 lt/min
	X	1,5 kW - 80 bar 12,5 lt/min	1,5 kW - 80 bar 12,5 lt/min	1,5 kW - 80 bar 12,5 lt/min
Liquid heating	C - X	2 kW	2 kW	2 kW
	P	6 bar - 20 NI/min	6 bar - 20 NI/min	6 bar - 20 NI/min
Supply	C - X	230V 1PH 50Hz 8,6 A	230V 1PH 50Hz 8,6 A	230V 1PH 50Hz 8,6 A
Compressed air consumption	P - C - X	20 NI/min	20 NI/min	20 NI/min