

UCM 500DL

Noise reduction system

Worktop equipped with noise reduction system up to 78db at 28kHz

Integrated lighting beacon

Integrated lighting beacon that indicates the status of the machine

Pneumatic elevator up to 1500Kg

Elevador neumático hasta 1500kg, 3000Kg estáticos. A partir de 2000kg el sistema es hidráulico.

Overflow

Overflow to avoid water spills when big parts are introduced. Valve 3/4"

Auxiliary tank drain

At the bottom of the tank it's used to emptying the tank in a easy way.

Oil extraction

Used to remove the surface oil layer from the auxiliary tank after its separation. Valve 3/4"

Main tank drain

At the bottom of the tank it's used to empty the main tank. Valve 1 1/2"

Stainless steel INOX 304 satin panels

Stainless steel AISI 304 satin panels



Heat-isolated manual / automatic lid

Heat-isolated lid that remains the temperature and reduce the noise emissions. Automatic lid from 1000 liters, optional on the rest of models.

HMI 7" Color IP67

7" color touch screen with intuitive interface and integrated help. Aviable in customer's language.

IP67 buttons grade

IP67 pushbuttons ready to clean the machine surface easily and without risk of short circuits.

Integrated electrical cabinet

Integrated removable electrical panel that facilitates maintenance and reduces the free space left between the tank and the wall.

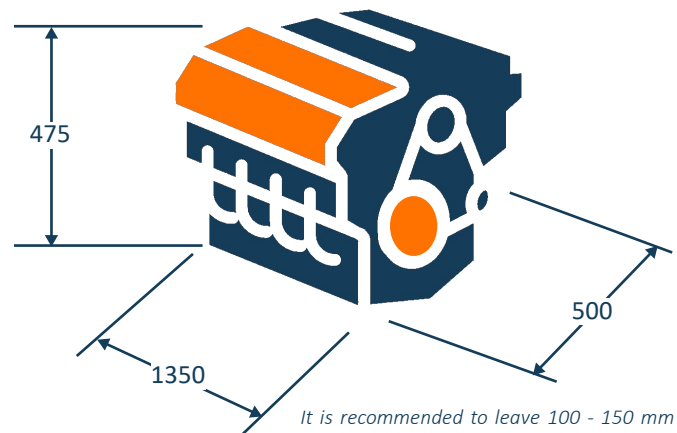
Regulable feet

Height-adjustable non-slip feet. They allow easy leveling of the machine.

Main characteristics

Ultrasounds power (W)	4000W
Heating system power (W)	11250
Tank capacity (liters)	546
Inner measures LxWxH (mm)	1400 x 600 x 650
Usefull measures LxWxH (mm)	1350 x 500 x 475
External measures LxWxH (mm)	1610 x 1060 x 1700
Dynamic maximum load (kg)	525
Static maximum load (kg)	1050

Maximum usefull measures



It is recommended to leave 100 - 150 mm of free space between the part and the tank walls for adequate ultrasonic diffusion.



Expanded features

Ultrasounds		Included	Optional
Frequency.	28kHz	Yes	38kHz
Power.	4000W (4 x 1000W AISI 316L de 2 mm thickness.)	Yes	
Swiping.	± 2%	Yes	
Degas mode.	Yes	Yes	
Adjustable power.	0% - 100%	Yes	
Remote control	RS485 Modbus RTU	Yes	
Controlled from PLC	From the ultrasound setup screen	Yes	
Adjustable ramp up	Soft start for special applications	Yes	
Heating system			
Power	11250W (3 x 3750kW immersed Incoloy 825)	Yes	
Control type	PT100 probe	Yes	
Elevator			
Oscillation	Oscillation motion with adjustable height	Yes	
Tramex	removable built in AISI 304 stripped	Yes	
Elevator type	Pneumatic	Yes	
Machine air inlet	Fast connector 1/4 male	Yes	
Working nominal pressure	7 bar		
Maximum dynamic load	525 kg at 7 bar		
Lid			
Open mode	Manual	Yes	
Automatic open mode	Pneumatic actuator	No	Yes
Heat-isolated	thermal and acoustic isolation 20mm thickness	Yes	
Perimetral gasket	NBR (removable)	Yes	
Pours water	stainless steel AISI 304	Yes	
Oil separation system			
Auxiliary tank	71L	Yes	
Adjustable height	Manual	Yes	
Other features			
PLC + HMI control	HMI 7" color multi language	Yes	
Stainless steel tank AISI 304	Stainless steel AISI 304 2 mm thickness	Yes	AISI 316
Level control	inductive sensor INOX + PEEK IFM	Yes	
Thermal & acoustic isolation	Double layer 50mm thickness	Yes	
Electrical cabinet	Integrated removable for easy access to maintenance	Yes	
Overflow	3/4"	Yes	
Lighting beacon	Integrated with programmable colors	Yes	
Noise Reduction System (NRS)	Acoustic bridge	Yes	

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