



UCM 500RL

Noise Reduction System

Countertop equipped with a noise reduction system up to 78 dB at 28 kHz (Optional).

Overflow

Overflow to prevent overflowing of the tank when inserting large pieces. 3/4" valve

Auxiliary tank drain

Located at the bottom of the auxiliary tank, it is used for easy emptying. 3/4" valve

Oil Extraction

Used to extract the surface layer of oil from the auxiliary tank after separation. 3/4" valve

Main Drain

Located at the bottom of the main tank, it is used to empty it. 1 1/2" valve.

INOX304 Panels

Satin-finished AISI 304 stainless steel panels.

Integrated beacon

Beacon light indicating machine status.

Integrated electrical panel

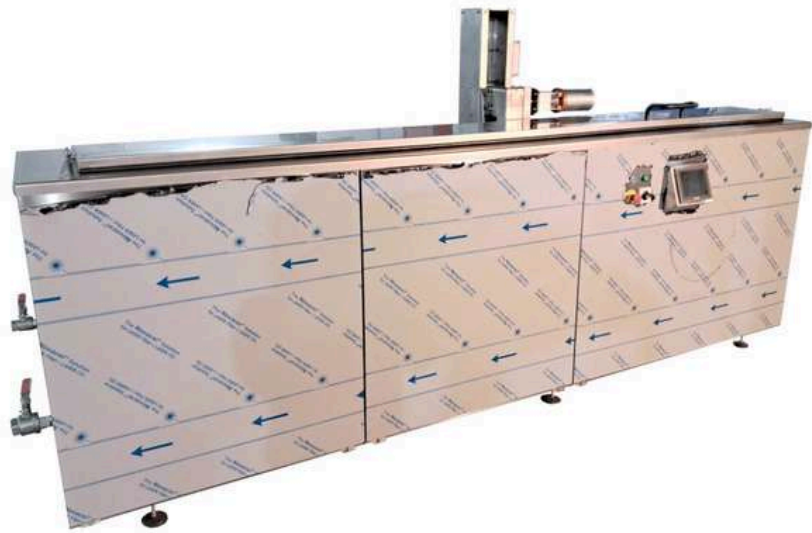
Integrated removable electrical panel that facilitates maintenance and reduces the free space between the tank and the wall.

Pneumatic lift up to 1500 kg

Pneumatic lift up to 1500 kg, 3000 kg static. From 2000 kg the system is hydraulic.

Manual/automatic heat-insulated lid

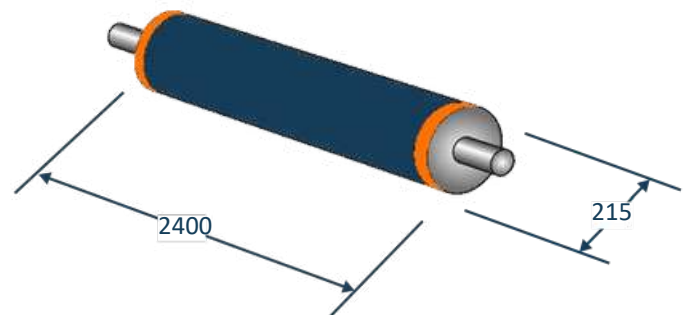
Heat-insulated manual lid maintains temperature and reduces noise emissions. Automatic as standard for 1000L and up. Optional on all other models.



Main features

Ultrasound power (W)	4000W
Heating power (W)	12000
Tank capacity (liters)	510
Interior dimensions LxWxH (mm)	2548 x 400 x 500
Usable dimensions LxWxH (mm)	Rodillo L2400 x Ø215
External dimensions LxWxH (mm)	3080 x 790 x 1600
Maximum dynamic load (kg)	500
Maximum static load (kg)	500

Maximum useful measurements



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



Extended features

Ultrasonics		Included	Optional
Frequency	28kHz	Yes	38kHz
Potency	4000 W (4 x 1000 W AISI 316L, 2 mm thick)	Yes	
Sweeping	± 2%	Yes	
Degas mode	Yes	Yes	
Adjustable power	0% - 100%	Yes	
Remote control	RS485 Modbus RTU	Yes	
Control from the PLC	From the ultrasound configuration screen	Yes	
Adjusting the uphill ramp	Soft start for special applications	Yes	
Heating			
Potency	12,000W (2 x 6kW ceramic candle in AISI 316L tube)	Yes	
Control type	PT100 probes	Yes	
Elevator			
Batting	Height-adjustable rocking motion	Yes	
Tramex	Removable AISI 304	No	No
Elevator type	Pneumatic lift	Yes	
Air intake in machine	1/4" male RAM connector	Yes	
Working pressure	7 bar		
Maximum dynamic load	500kg a 7 bar		
Lid			
Opening mode	manual	Yes	
Automatic lid opening	Pneumatic actuation	No	Yes
Heat-insulated	Double-layer 20 mm thick thermal and acoustic insulation.	Yes	
Junta perimetral	NBR (replaceable)	Yes	
Vierteaguas	AISI 304 stainless steel	Yes	
Oil separation system			
Auxiliary tank	65L	Yes	
Adjustable height	manual	No	Yes
Other equipment			
PLC + HMI control	7" multilingual color HMI	Yes	
AISI 304 steel tub	AISI 304 stainless steel, 2 mm gauge	Yes	
Level control	IFM INOX + PEEK inductive sensor	Yes	
Thermal and acoustic insulation	50 mm double-lid scale	Yes	
Electrical panel	Integrated for easy access	Yes	
Overflow	3/4"	Yes	
Luminous beacon	Integrated with programmable colors	Yes	
Noise Reduction System (NRS)	Acoustic bridge	Yes	

DCM ultrasonic

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