



Powersonic® - tabletop

The company

Martin Walter is under Crest Group of company and at Crest Ultrasonics everything revolves around Ultrasonic. This highly developed concept is based upon the latest findings from collaboration with our customers and above all the continuously changing demands of the environment.

Our position as market leader is based upon applications of our unique generators, transducers and overtures for cleaning, mixing and separating as well as welding.

Our continuing development effort ensures that we shall be able to offer products which set new commercial and ecological standards.

The technology

If ultrasonic energy at frequencies over 20 kHz is introduced into a liquid medium, zones develop in the liquid with high pressure and low pressure phases.

In the low pressure phase, microscopically small steam bubbles occur which collapse in the adjoining high pressure phase (they implode). This physical effect is known as steam cavitation. The implusions generate very high pressures which literally blast the dirt from the surface of the articles undergoing cleaning. In addition, micro-currents form which wash the dirt away. The combination of cavitation and micro-currents achieves a particularly intensive cleaning effect which is difficult or even impossible to achieve by other methods.



The small and long Ultrasonic-Table Top Cleaner
Type 1200 SR-Series and D-Series

SR= All models with mechanical Timer and adjustable Heating up to approx. 80 °C

D= All models digitally adjustable

Powersonic® - tabletop range:

- Tank capacities from 0.8 l to 26.0 l
- Frequency, 45 or 132 kHz
- Analog or digital displays

Applications:

- Precision engineering
- Automotive industry
- Electronics/microelectronics
- Jewellery cleaning
- Cosmetics
- Reconditioning cleaning
- Dental/medical equipment
- Optics
- Laboratory equipment

Common features for all Powersonic® Table Tops

Type D/D-HF

Digital seven Segment Display showing the following:

- | | |
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| <ul style="list-style-type: none"> • Chosen Operating time when unit is in standby mode. • Remaining operating time when unit is operating. Operating time adjustable in steps of 1 min. up 99 min. Also continuous operating mode is selectable. • Chosen Liquid temperature when unit is in standby mode. • Current Liquid temperature when unit is operating. The liquid temperature is adjustable in steps of 1 degree up to 80 degrees. Heaters protected against overheating. • Chosen Ultrasonic Power--Ultrasonic power adjustable between 10% power and 100% power. Constants ultrasonic power independent of liquid level, liquid temperature and load. Double wave Ultrasonic for perfect cleaning results. | <ul style="list-style-type: none"> • Degas Mode for degassing the liquid. • Power cord with mains plug for Europe (EU/F), plug for CH, DK, UK on request. Apply to models P100 – P2600. • Housing and tank are made of stainless steel CN18/10 EN 631. • Unit have special heat isolation and are also noise protected. • Model S to D have an ultrasonic frequency of 45 kHz. • Model D/HF has an ultrasonic frequency of 132 kHz. • Main voltage : 230 v 50/60Hz single phase. • Warranty: 12 months from delivery date for traders.
: 24 months from delivery date for end user. |
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Notes:

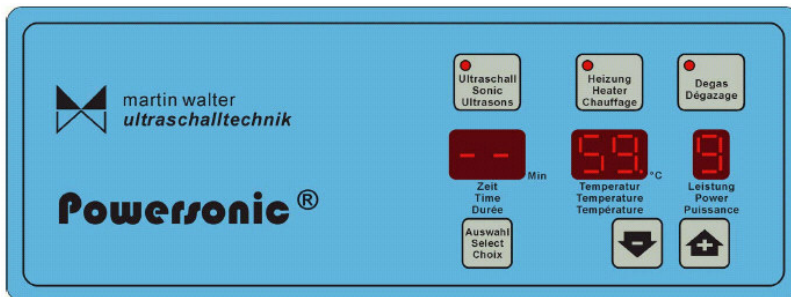
All models are available in three configurations:



Type S
0-15 Minutes Mechanical Timer



TYPE S/R
0-15 Minutes timer and thermostat controlled heater (ambient to 80°C)



TYPE D
Digital control for heater, timer (1-99 minutes), power level (1-9) and degas functions.

NOTE: TYPE D/HF = Type D model with Ultrasonic frequency approx. 132 kHz.

Technical Data **Powersonic®** Table Tops

Tank	Capacity Litres	300 x 151 x 150 L x W x D (mm)	External Dims L x W x D (mm)	Weight Kg Approx.	Freq. kHz approx.	Peak/eff.- HF-Power- Watt	Connected Load VA	Heating Output watt	Heating Adjustable Non-adjustable	Ball valves
P100 S	0.80	190 x 85 x 60	205 x 100 x 155	1.8	45	60 / 30	60		none	
P100 S/H	0.80	190 x 85 x 60	205 x 100 x 155	1.8	45	60 / 30	120	60	Non-adjustable 60°C	
P200 S	1.75	148 x 134 x 100	175 x 165 x 270	2.7	45	120 / 60	100	none	none	
P200 S/R	1.75	148 x 134 x 100	175 x 165 x 270	2.7	45	120 / 60	220	120	Non-adjustable 80°C	
P230 S	2.78	240 x 137 x 100	265 x 162 x 235	3.7	45	160 / 80	120	240	none	
P230 S/R	2.78	240 x 137 x 100	265 x 162 x 235	3.7	45	160 / 80	360	240	Non-adjustable 80°C	
P230 D	2.78	240 x 137 x 100	265 x 162 x 235	3.7	45	160 / 80	360	240	Non-adjustable 80°C	
P230 D/HF	2.78	240 x 137 x 100	265 x 162 x 235	3.7	132	160 / 80	360	240	Non-adjustable 80°C	
P360 S	4.17	240 x 137 x 150	265 x 162 x 295	4.6	45	200 / 100	180	none	none	
P360 S/R	4.17	240 x 137 x 150	265 x 162 x 295	4.6	45	200 / 100	420	240	Non-adjustable 80°C	
P360 D	4.17	240 x 137 x 150	265 x 162 x 295	4.6	45	200 / 100	420	240	Non-adjustable 80°C	
P500 S	5.42	300 x 151 x 150	325 x 176 x 295	5.8	45	260 / 130	210	none	none	
P500 S/R	5.42	300 x 151 x 150	325 x 176 x 295	5.8	45	260 / 130	450	240	Non-adjustable 80°C	
P500 D	5.42	300 x 151 x 150	325 x 176 x 295	5.8	45	260 / 130	450	240	Non-adjustable 80°C	
P500 D/HF	5.42	300 x 151 x 150	325 x 176 x 295	5.8	132	260 / 130	450	240	Non-adjustable 80°C	
P1100 S/R	12.32	300 x 240 x 200	325 x 265 x 335	10	45	400 / 200	1450	940	Non-adjustable 80°C	yes
P1100 D	12.32	300 x 240 x 200	325 x 265 x 335	10	45	400 / 200	1450	940	Non-adjustable 80°C	yes
P1200 S/R	9.20	495 x 130 x 150	515 x 150 x 270	9.5	45	400 / 200	1450	800	Non-adjustable 80°C	yes
P1200 D	9.20	495 x 130 x 150	515 x 150 x 270	9.5	45	400 / 200	1450	800	Non-adjustable 80°C	yes
P1500 S/R	16.84	327 x 300 x 200	352 x 325 x 335	15	45	480 / 240	1600	1200	Non-adjustable 80°C	yes
P1500 D	16.84	327 x 300 x 200	352 x 325 x 335	15	45	480 / 240	1600	1200	Non-adjustable 80°C	yes
P1800 S/R	19.57	505 x 300 x 150	530 x 325 x 365	24	45	480 / 240	1200	800	Non-adjustable 80°C	yes
P1800 D	19.57	505 x 300 x 150	530 x 325 x 365	24	45	480 / 240	1200	800	Non-adjustable 80°C	yes
P2600 S/R	26.10	505 x 300 x 200	530 x 325 x 365	26	45	660 / 330	2800	1880	Non-adjustable 80°C	yes
P2600 D	26.10	505 x 300 x 200	530 x 325 x 365	26	45	660 / 330	2800	1880	Non-adjustable 80°C	yes

S = Model with mechanical Timer.

S/R = Model with adjustable thermostat control heating up to approx. 80°C.

D = Model with digital control.

D/HF = Type D model with Ultrasonic frequency approx. 132 kHz.

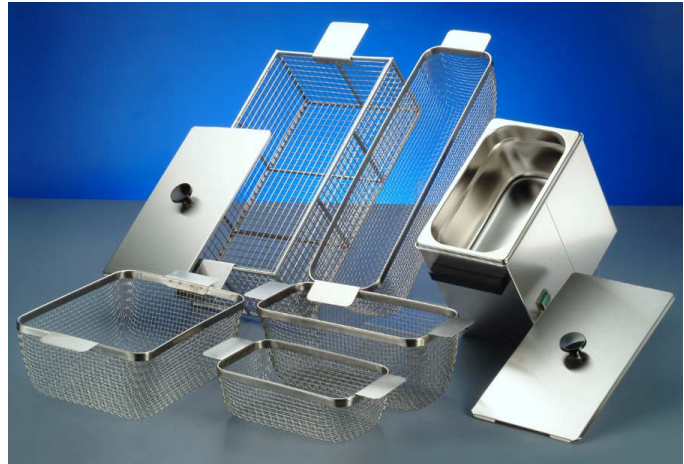


More Sizes and Options to Meet Your Needs

Powersonic® Tabletop Cleaners have the cleaning power of industrial tanks and are offered in a variety of sizes for various Tabletop applications. Custom and private labeling is available.

High Performance Cleaning Accessories

We offer a high performance selection of stainless steel mesh & perforated baskets, beakers, auxiliary pans, beaker positioning covers & small parts tray. Glass, polypropylene & stainless steel beakers are also available. For maximum results, we also manufacture a wide range of specially blended cleaning solutions.



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