

Ultrasonic cleaning unit



Pictured Techspan S 10 H

Techspan S 10 / S 10 H

The new Techspan S units are available in 11 different sizes ranging from 0,5 litres to 90 litres. State of the art microprocessor controlled ultrasonic cleaning and sweep technology.

Further advantages:

- high performance 37 kHz sandwich transducer systems
- cleaning tank made of cavitation-resistant stainless steel
- user-friendly and clear operating panel, splash water proof
- LED-Display for ultrasonic function
- Turning knob for setting continued and short-period operation from 1 to 30 min.
- temperature-controlled ultrasonic operation (applies only for units with heating)
- sweep function for an optimised sound field distribution in the cleaning liquid by frequency modulation
- degas function for the efficient degassing of the cleaning liquid and for laboratory purposes
- auto degas function for automatic degassing cycles, i.e. with fresh cleaning liquids
- dry-run protected heating (applies only for units with heating)
- Turning knob temperature (applies only for units with heating). Temperature range variable in 5°C steps from 30° up to 80°C
- LED-Display for heating function (applies only for units with heating)
- plug-in mains supply (S 10 – S 300H)

Technical data

Mains voltage (Vac)	100-120 V or 220-240 V
Mains frequency (Hz)	50 / 60
Ultrasonic frequency (kHz)	37
Power consumption total S 10 (W)	30
Power consumption total S 10 H (W)	90
Ultrasonic power effective (W)	30
Ultrasonic peak performance max.* (W)	240
Heating power (units with heating) (W)	60
Unit outer dimensions W / D / H (mm)	206 / 116 / 178
Tank internal dimensions W / D / H (mm)	190 / 85 / 60
Max. filling volume tank (lit.)	0,8
Basket inner dimensions W / D / H (mm)	178 / 80 / 47
Mesh size of the basket (mm)	7x1
Weight (kg)	2,0
Material tank	stainless steel
Material casing	stainless steel
Drain	/
Carrying handles (plastic)	/
CE Richtlinie 89/336 EWG (EEC)	✓
CE Richtlinie 73/23 EWG (EEC)	✓
Protection class	IP 23

Techspan Order Nos.

Techspan S 10 (230 V)	100 5507
Techspan S 10 (115 V)	100 7136
Techspan S 10 H (230 V)	100 1214
Techspan S 10 H (115 V)	100 7137
Basket stainless steel	100 4170
Lid (plastic)	100 3278
Further accessories on request	

* S 10 – S 15 H: impulse wave form; S 30 – S 900 H: standard sine-wave modulation

The choice of the waveform has been matched to the relevant tank size. The signal form of the wave results in a factor 4 or 8 for the ultrasonic peak max., depending on the modulation of the wave.

Subject to technical and optical changes reserved Elma_ch_12/04