



TURQUOISE BIOMEDICAL TECHNOLOGIES

*Manufactures
Happiness! :)*



PLUSONIC

Ultrasonic Cleaner, Ultrasonic Irrigators & Steam Cleaners for Medical Professionals

www.tbmedical.com

+ Different processes, different sizes, different needs, **one solution**

PLUSONIC series ultrasonic & steam cleaners offer you wide range of cleaning devices in one solution. First step of the sterilizing process is cleaning medical instruments. PLUSONIC is the best solution for medical professionals to protect medical personnel and patients from infection.

PLUSONIC uses advance technology which provides you to clean more complex medical surfaces such as micro-instruments, dental instruments and endoscopes without any damage.



Simple, quick and reliable

+ PLUSONIC series ultrasonic irrigators make your cleaning process easier, simple and more reliable. Automatic features and noise reduced design of PLUSONIC increases value of your cleaning environment. PLUSONIC is the reliable, easy and affordable solution for medical professionals to protect medical personnel and patients from infection.

PLUSONIC Ultrasonic Cleaners

Protection for you and patients with advanced technology in ultrasonic cleaning.

- Ultrasonic Cleaners ranging from 4 L to 80 L
- Ideal for cleaning medical and surgical devices up to 45 cm long
- User friendly digital control unit
- Temperature control of 25°C to 90°C in 1°C increments
- Time control of 0 to 99 min. in 1 min. increments
- 28 – 30 kHz ultrasonic frequency for up to 28 L & 25 kHz between 40 – 80 L for extra durability
- Advanced technology with high-performance transducers
- Programmable cleaning time and heating control
- Easy to drain with adjustable drain duck
- Optimized cover design and filling marker
- Tank made of AISI 316 quality stainless steel
- Auto degassing function with high ultrasonic power in the beginning
- User-friendly control panel with liquid protection
- Safety functions (Automatic turn-off when overheated)
- Wide range of accessories (Beaker stands, borosilicate glass beakers, AISI 316 L stainless steel covers, AISI 304 stainless steel baskets, cleaning solutions)



PLUSONIC Steam Cleaners

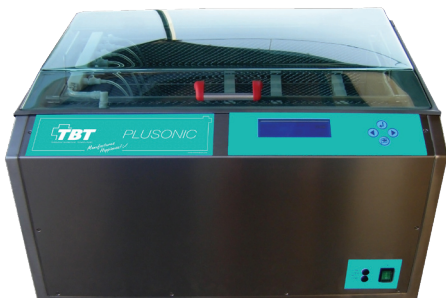
Clean difficult medical device's surface by using steam power. Wide range of attachments makes it possible to clean medical devices which are not easy to clean with other cleaning methods. You can reach and clean difficult spots where others cleaning methods do not meet your cleaning needs.

- Effective steam at approximately 160°C and with pressure up to 7 bar
- Reliable and continues pressure generation
- Working without any chemicals and care environment
- Ability to mount attachments with Luer-lock socket to hand piece provides flexibility for cleaning different kind of medical devices

Model: SC317



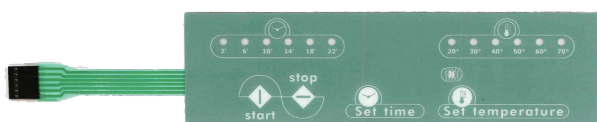
PLUSONIC Ultrasonic Irrigators



Model: S6A



Ultrasonic Irrigators with Automatic Control



Membrane Keyboard

PLUSONIC Series product range makes it possible to clean hollow instruments such as aspiration tubes, reamers, accessories for gynecological and urological operations and rigid and flexible endoscopes with the ultrasonic irrigators S6D, S12D, S6A and S12A. PLUSONIC S6A and PLUSONIC S12A models (ultrasonic irrigators) have the ability to cancel the cavitations so flexible endoscopes can be treated with them.

- Transparent shock proof cover with closure sensor
- Liquid recirculation system and air impurity filter
- 8 transducers
- Pump for irrigation of instruments
- USB and printer connections (S6A & S12A)
- Stand-by mode (S6A & S12A)
- Automatic water charge & drain (S6A & S12A)
- Graphic liquid crystal display with 5 language options (S6A & S12A) / Membrane keyboard (S6D & S12D)

PLUSONIC ultrasonic irrigators are specially designed for endoscopy, orthopedics, laparoscopy, gynecology, urology and ophthalmology departments. PLUSONIC S6A and PLUSONIC S12A are unique devices which are able to clean hollow and non-hollow materials at the same time with mix cycles and also the ultrasound can be excluded to clean the instruments which cannot be treated with cavitations.

PLUSONIC Series Ultrasonic Cleaners

Our models and their technical specifications

Ultrasonic Cleaners	UC4	UC12	UC18	UC28	UC40	UC50	UC60	UC80
Order Number:	111001	111002	111003	111004	111005	111006	111007	111008
Tank Max. Volume (L)	4	12	18	28	40	50	60	80
Tank Internal Dimensions (WxDxH mm)	240x140x150	300x240x200	330x300x200	505x300x200	400x300x300	400x300x400	500x400x300	500x400x400
Unit External Dimensions (WxDxH mm)	360x160x320	320x260x400	350x320x500	530x320x500	-	-	-	-
Ultrasonic Frequency (kHz)	28 - 30	28 - 30	28 - 30	28 - 30	25	25	25	25
Ultrasonic Peak Power Max. (W)	400	600	1200	1200	2000	2000	2000	2000
Heating power (W)	200	500	500	1000	4000	4000	4000	4000
Piezoelectric Transducers	6	8	16	16	32	32	32	32
Degas / Autodegas*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Carrying Handles	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Drain Duct / Diameter	3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"

*Autodegas function is established with high ultrasonic frequency at the beginning of every cycle or user can set heat and time parameters to have degassing.

PLUSONIC Series Steam Cleaners

Steam Cleaners	SC317	SC330	SC517	SC530	SC517D	SC530D
Order Number:	111009	111010	111011	111012	111013	111014
Power (W)	1700	1700	2800	2800	2800	2800
Pressure Tank Volume (L)	3	3	5	5	5	5
Number of Hand Pieces	1	1	1	1	2	2
Hose (m)	1.7	3.0	1.7	3.0	1.7 (2 pcs)	3.0 (2 pcs)
Power consumption total (W)	1790	1790	2950	2950	2950	2950
Tank Pressure (bar)	7	7	7	7	7	7
Unit Dimensions (WxDxH mm)	338x260x296	338x260x296	338x260x391	338x260x391	338x260x391	338x260x391
Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel

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PLUSONIC Series Ultrasonic Irrigators

Ultrasonic Irrigators	IR6D	IR12D	IR6A	IR12A
Order number	111015	111016	111017	111018
Tank Max. volume (L)	40	40	40	40
Tank Internal Dimensions (WxDxH mm.)	705 x 325x220	705 x 325 x 220	705 x 325 x 220	705 x 325 x 220
Unit External Dimensions (WxDxH mm.)	830 x 585 x 530	830 x 585 x 530	830 x 585 x 530	830 x 585 x 530
Weight (kg)	60	60	60	60
Ultrasonic Frequency (kHz)	28-34	28-34	28-34	28-34
Absorbed Power Max. (W)	2750	2750	2750	2750
Control Unit	Digital	Digital	Automatic	Automatic
Timer / Increments (min)	2 - 22	2 - 22	1 -99	1 -99
Heating / Increments (°C)	25 -50	25 -50	20 -50	20 -50
Pre-programmed Cycles	Set on Keyboard	Set on Keyboard	9	9
Outlets	6	12	6	12
Flow Type	Linear	Linear	Linear, Pulsatile, Mix	Linear, Pulsatile, Mix
Tank Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Casing Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Mains Voltage (VAC/Hz)	230 / 50-60	230 / 50-60	230 / 50-60	230 / 50-60

