

The **ART**  
In **Technology**  
For **Ultrasonic**  
**Cleaning**  
Process

**ALSTRON**<sup>TM</sup>

2022 Version 1

## ▶ ALT Series



Suitable for cleaning of (not limited to):

1. Various Components
2. Newly Machined Parts
3. PCBs & Solder Flux
4. Bearings
5. Carburetor/Engine Components
6. Filters
7. Surgical Instruments
8. Pre-clean prior to coating and plating
9. 3D printer's components etc.

- ✓ Internal Tank, Inlet Valves & Drainage Materials in SS316
- ✓ Microprocessor-based Generator
- ✓ Digital Timer and Temperature Controller
- ✓ Adjustable Ultrasonic Power Intensity
- ✓ PLL System and Sweeping Function
- ✓ Energy-saving Heat Insulation
- ✓ Water Trap in-Flow Lid Cover
- ✓ SS304 Fittings
- ✓ Power Input – 1 Phase 230VAC, 3 Phase 415VAC or 3 Phase + E. 440VAC (Non-Neutral for Marine)
- ✓ Programmable HMI for Selected Models



Water Inlet & Outlet Valves



Spring Catch Power Socket



Heat Loss Prevention Insulation



Low Water Level Protection



Gas Spring Assisted Cover



Splash-proof Cover for Control Panel Protection



Concealed Immersion Heater with Float Switch



Programmable HMI Control \*NEW\*

## Accessories (Optional)



Tower Lights



Base Frame



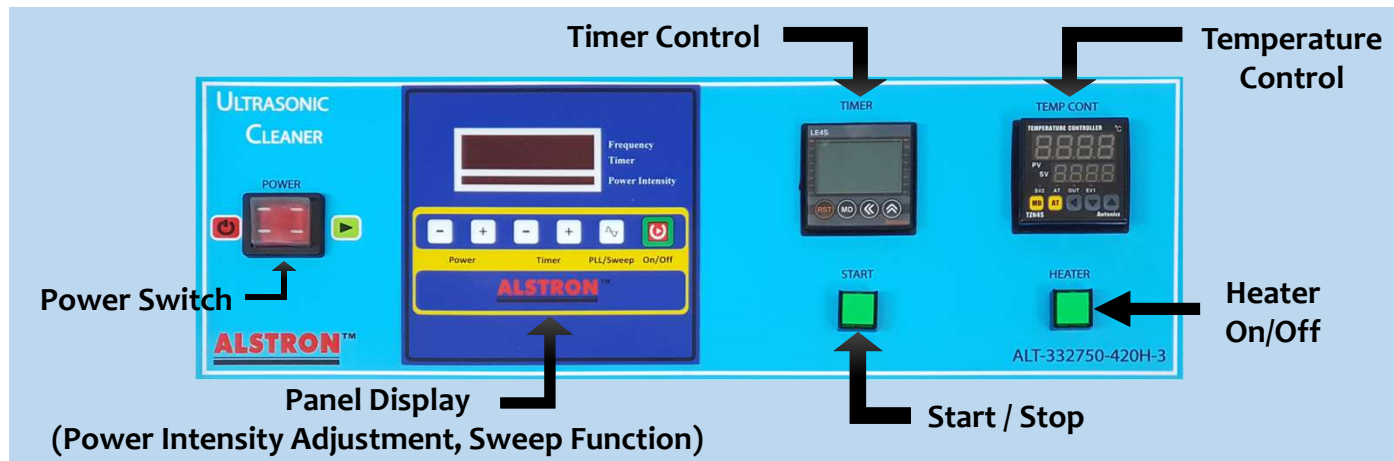
Filter Housing



Solenoid & Manual Valve

**The ART in Technology for Ultrasonic Cleaning Process**

## Control Panel Display



## 20 to 40 kHz Ultrasonic Cleaner Model Selections

Heavy Duty and Powerful cleaning for robust parts with heavier particles and contaminants.

20 kHz   28 kHz   33 kHz   40kHz

Power (Watts)	Volume (Litres)	Model	3-Phase (Model -3)	3-Phase Non-Neutral (Model -3NN)	Programmable HMI Control Display (Model -P)
300	12	ALT-33300-12H	N.A.	N.A.	N.A.
600	24	ALT-33600-24H	N.A.	N.A.	N.A.
800	40	ALT-33800-40H	N.A.	N.A.	N.A.
1000	45	ALT-331000-45H	N.A.	N.A.	N.A.
1200	72	ALT-331200-72H	N.A.	N.A.	N.A.
1200	82	ALT-331200-82H	N.A.	N.A.	ALT-331200-82H-P
1500	90	ALT-331500-90H	ALT-331500-90H-3	ALT-331500-90H-3NN	ALT-331500-90H-3-P ALT-331500-90H-3NN-P
2000	140	ALT-332000-140H	ALT-332000-140H-3	ALT-332000-140H-3NN	ALT-332000-140H-3-P ALT-332000-140H-3NN-P
2200	220	ALT-332200-220H	ALT-332200-220H-3	ALT-332200-220H-3NN	ALT-332200-220H-P ALT-332200-220H-3-P ALT-332200-220H-3NN-P
2400	245	ALT-332400-245H	ALT-332400-245H-3	ALT-332400-245H-3NN	ALT-332400-245H-3-P ALT-332400-245H-3NN-P
2750*	420	N.A.	ALT-332750-420H-3	ALT-332750-420H-3NN	ALT-332750-420H-3-P ALT-332750-420H-3NN-P

Standard models are equipped with an Ultrasonic Frequency of 33kHz.

3-Phase Non-Neutral (-3NN) is used **for Vessels (Marine Industry)**.

\* Includes Tower Light with Timer Alarm.

Note: Other frequency and supply voltage available upon request.

## Inner & Outer Tank Specifications & Dimensions

Power (Watts)	Volume (Litres)	Inner Tank Size L x B x H (mm)	In/Out Valves	Outer Tank Size L x B x H (mm)	Heating Power (Watts)	Input Power Supply
300	12	305 x 250 x 170	Outlet	347 x 292 x 455	600	1 Phase 230 VAC 13A
600	24	400 x 300 x 200		442 x 342 x 485	900	
800	40	400 x 400 x 250		442 x 422 x 535	1200	
1000	45	500 x 300 x 300	Inlet & Outlet	542 x 400 x 586	1500	
1200	72	600 x 400 x 300		642 x 500 x 586	1500	
1200	82	550 x 300 x 500		622 x 540 x 908	1500	
1500	90	600 x 500 x 300		692 x 740 x 640	1500	
					2000	3 Phase 415 VAC or 3 Phase + E, 440 VAC
2000	140	700 x 500 x 400		792 x 790 x 770	1500	1 Phase 230 VAC
					2000	3 Phase 415 VAC or 3 Phase + E, 440 VAC
2200	220	820 x 500 x 530		910 x 770 x 835	1500	1 Phase 230 VAC
					4000	3 Phase 415 VAC or 3 Phase + E, 440 VAC
2400	245	700 x 700 x 500	792 x 955 x 873	1500	1 Phase 230 VAC	
				4000	3 Phase 415 VAC or 3 Phase + E, 440 VAC	
2750	420	1150 x 580 x 630	1244 x 865 x 1023	6000		3 Phase 415 VAC or 3 Phase + E, 440 VAC

Please refer to [Page 37](#) for Accessories.

### Model Format

ALT-331500-90H-3 / ALT-332750-420H-3NN-P  
 ALT-FFPPPP-VVH-3 / ALT-FFPPPP-VVV-3NN-P

ALT – Alstron Industrial Application Series

FF – Frequency (in kHz)      PPP / PPPP – Ultrasonic Power Rating (in Watts)

VV / VVV – Volume (in Litres)

-3 – 3 Phase Power Input (3 Phase 415 VAC)

-3NN – 3 Phase Non-Neutral Power Input (3 Phase + E, 440 VAC)

-P – with Programmable HMI Control

## 54 to 200 kHz Ultrasonic Cleaner Model Selections

Precision and Gentle Cleaning on delicate parts and fine materials.

54 kHz	68 kHz	80 kHz	100 kHz	124 kHz	135 kHz
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Power (Watts)	Volume (Litres)	54 kHz Model	68 kHz Model	80 kHz Model	100 kHz Model	124 kHz Model	135 kHz Model
400	17	ALT-54400-17H	ALT-68400-17H	ALT-80400-17H	ALT-100400-17H	ALT-124400-17H	ALT-135400-17H
800	50	ALT-54800-50H	ALT-68800-50H	ALT-80800-50H	ALT-100800-50H	ALT-124800-50H	ALT-135800-50H
1000	69	ALT-541000-69H	ALT-681000-69H	ALT-801000-69H	ALT-1001000-69H	ALT-1241000-69H	ALT-1351000-69H
1200	82	ALT-541200-82H	ALT-681200-82H	ALT-801200-82H	ALT-1001200-82H	ALT-1241200-82H	ALT-1351200-82H
1500	140	ALT-541500-140H ALT-541500-140H-3	ALT-681500-140H ALT-681500-140H-3	ALT-801500-140H ALT-801500-140H-3	ALT-1001500-140H ALT-1001500-140H-3	ALT-1241500-140H ALT-1241500-140H-3	ALT-1351500-140H ALT-1351500-140H-3

Note: Other frequency and supply voltage available upon request.

## 170 to 200 kHz Ultrasonic Cleaner Model Selections

Ultra Fine Gentle Cleaning on semiconductor wafer and optics materials.

170 kHz	200 kHz
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Power (Watts)	Volume (Litres)	170 kHz Model	200 kHz Model
400	17	ALT-170400-17H	ALT-200400-17H
800	50	ALT-170800-50H	ALT-200800-50H
1000	69	ALT-1701000-69H	N.A.

## Inner & Outer Tank Specifications & Dimensions

Power (Watts)	Volume (Litres)	Inner Tank Size L x B x H (mm)	In/Out Valves	External Tank Size L x B x H (mm)	Heating Power (Watts)	Input Power Supply
400	17	350 x 250 x 200	Outlet	392 x 292 x 485	600	1 Phase 230 VAC 13 A
800	50	450 x 450 x 250		492 x 392 x 535	900	
1000	69	550 x 350 x 360		592 x 450 x 635	1200	
1200	82	550 x 300 x 500	Inlet & Outlet	622 x 540 x 908	1500	
1500	140	700 x 500 x 400		792 x 790 x 770	1500	
1500	140	700 x 500 x 400		792 x 790 x 770	2000	3 Phase 415 VAC

Please refer to [Page 37](#) for Accessories.



ALT Series Ultrasonic Tanks with base options available upon request; base stand or castor wheel.



Suitable for cleaning of (not limited to):

1. Various Components
2. Newly Machined Parts
3. PCBs & Solder Flux
4. Bearings
5. Carburetor/Engine Components
6. Filters
7. Surgical Instruments
8. Pre-clean prior to coating and plating
9. 3D printer's components etc.

## ▶ Dual Frequency Series

- ✓ 2 Selectable Frequencies for Multi-Purpose, Wider Range of Ultrasonic Cleaning
- ✓ Internal Tank, Inlet Valves & Drainage Materials in SS316
- ✓ Microprocessor-based Generator
- ✓ Digital Timer and Temperature Controller
- ✓ Adjustable Ultrasonic Power Intensity
- ✓ PLL System and Sweeping Function
- ✓ Water Trap in-Flow Lid Cover
- ✓ SS304 Fittings

## 25/45 to 40/100 kHz Ultrasonic Cleaner Model Selections

Provides flexibility in meeting a wider range of cleaning requirements, from general cleaning to intensive cleaning applications.

25/45 kHz    40/80 kHz    40/100 kHz

Power (Watts)	Volume (Litres)	24/45 kHz Model	40/80 kHz Model	40/100 kHz Model
400	17	ALT-2545-400-17H	ALT-4080-400-17H	ALT-40100-400-17H
800	50	ALT-2545-800-50H	ALT-4080-800-50H	ALT-40100-800-50H
1000	68	ALT-2545-1000-68H	ALT-4080-1000-68H	ALT-40100-1000-68H
1200	82	ALT-2545-1200-82H	ALT-4080-1200-82H	ALT-40100-1200-82H
1500	140	ALT-2545-1500-140H ALT-2545-1500-140H-3	ALT-4080-1500-140H ALT-4080-1500-140H-3	ALT-40100-1500-140H ALT-40100-1500-140H-3

Please refer to [Page 37](#) for Accessories.

## Inner & Outer Tank Specifications & Dimensions

Power (Watts)	Volume (Litres)	Inner Tank Size L x B x H (mm)	In/Out Valves	External Tank Size L x B x H (mm)	Heating Power (Watts)	Input Power Supply
400	17	350 x 250 x 200	Outlet	392 x 292 x 485	600	1 Phase 230 VAC
800	50	450 x 450 x 250		492 x 392 x 535	1200	
1000	68	550 x 350 x 350	Inlet & Outlet	592 x 450 x 635	1500	
1200	82	550 x 300 x 500		622 x 540 x 908	1500	
1500	140	700 x 500 x 400		792 x 790 x 770	1500	
					2000	3 Phase 415 VAC



Dual Frequency Series  
(Table Top)  
ALT-xxxx400-17H to ALT-xxxx1000-68H



Dual Frequency Series  
(Floor Standing)  
ALT-xxxx1200-82H to ALT-xxxx15000-140H

**Model Format**                      ALT-4080-1200-82H  
  **ALT-FFFF-PPPP-VVH**

**ALT – Alstron Industrial Application Series**  
**FFFF – Dual Frequency (in kHz)**  
**PPP / PPPP – Ultrasonic Power Rating (in Watts)**  
**VV / VVV – Volume (in Litres)**

**-3 – 3 Phase Power Input**



## ▶ AST Series



### Separated Tank offers deeper Internal Tank for more cleaning capacity!

- ✓ Used in Flammable/Volatile Liquids Applications with Separate Generator Unit for Safety.
- ✓ Internal Tank Material, Inlet Valves, and Drainage in SS316
- ✓ External Tank Material in SS304 Construction
- ✓ Microprocessor-based Generator
- ✓ Adjustable Digital Timer and Ultrasonic Power Intensity
- ✓ Heater Option with Adjustable Digital Temperature Controller
- ✓ PLL System and Sweeping Function
- ✓ Power Input: 200 – 240 VAC / 3 Phase 415V



Water Inlet & Outlet Valves



Spring Catch Power Socket



Heat Loss Prevention Insulation Material



Standalone Generator Set



Gas Spring Assisted Cover for 1500W & above



Immersion Heater (optional)



Castor Wheel Or Base Frame Option



Ultrasonic Multi-Direction (Single/Dual/3-Directional) Cleaning System Option

## 20 to 40 kHz Ultrasonic Cleaner Model Selections

20 kHz	28 kHz	33 kHz	40 kHz
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Power (Watts)	Volume (Litres)	20 kHz Model	28 kHz Model	33 kHz Model	40 kHz Model
400	15	AST- <del>20</del> 400-15H	AST- <del>28</del> 400-15H	AST- <del>33</del> 400-15H	AST- <del>40</del> 400-15H
600	38	AST- <del>20</del> 600-38H	AST- <del>28</del> 600-38H	AST- <del>33</del> 600-38H	AST- <del>40</del> 600-38H
1000	80	AST- <del>20</del> 1000-80H	AST- <del>28</del> 1000-80H	AST- <del>33</del> 1000-80H	AST- <del>40</del> 1000-80H
1200	96	AST- <del>20</del> 1200-96H	AST- <del>28</del> 1200-96H	AST- <del>33</del> 1200-96H	AST- <del>40</del> 1200-96H
1500	130	AST- <del>20</del> 1500-130H AST- <del>20</del> 1500-130H-3	AST- <del>28</del> 1500-130H AST- <del>28</del> 1500-130H-3	AST- <del>33</del> 1500-130H AST- <del>33</del> 1500-130H-3	AST- <del>40</del> 1500-130H AST- <del>40</del> 1500-130H-3
2000	175	AST- <del>20</del> 2000-175H-3	AST- <del>28</del> 2000-175H-3	AST- <del>33</del> 2000-175H-3	AST- <del>40</del> 2000-175H-3
2800	284	AST- <del>20</del> 2800-284H-3	AST- <del>28</del> 2800-284H-3	AST- <del>33</del> 2800-284H-3	AST- <del>40</del> 2800-284H-3
2700	306	AST- <del>20</del> 2700-306H-3	AST- <del>28</del> 2700-306H-3	AST- <del>33</del> 2700-306H-3	AST- <del>40</del> 2700-306H-3
<b>3 Directional Wave Ultrasonic Cleaners</b>					
1300	56	AST- <del>20</del> 1300-56H	AST- <del>28</del> 1300-56H	AST- <del>33</del> 1300-56H	AST- <del>40</del> 1300-56H
1800	88	AST- <del>20</del> 1800-88H	AST- <del>28</del> 1800-88H	AST- <del>33</del> 1800-88H	AST- <del>40</del> 1800-88H
2400	92	AST- <del>20</del> 2400-92H	AST- <del>28</del> 2400-92H	AST- <del>33</del> 2400-92H	AST- <del>40</del> 2400-92H
Please refer to <a href="#">Page 37</a> for Accessories.					

<b>Model Format</b>	AST-331500-90H-3 AST-FFPPPP-VVH-3
<b>AST – Alstron Separate Tank Series</b>	
<b>FF – Frequency (in kHz)</b>	
<b>PPPP – Ultrasonic Power Rating (in Watts)</b>	
<b>VV – Volume (in Litres)</b>	
<b>-3 – 3 Phase Power Input</b>	

## Inner & Outer Tank Specifications & Dimensions

Power (Watts)	Volume (Litres)	Inner Tank Size L x B x H (mm)	In/Out Valves	External Tank Size L x B x H (mm)	Heating Power (Watts)	Input Power Supply
400	15	300 x 250 x 200	Outlet	342 x 292 x 320	600	1 Phase 230 VAC
600	38	450 x 300 x 280		492 x 342 x 400	900	
1000	80	500 x 400 x 400	Inlet & Outlet	542 x 442 x 520	1500	
1200	96	600 x 400 x 400		642 x 442 x 520	1500	
1500	130	660 x 570 x 350		760 x 670 x 470	1500	
2000	175	700 x 500 x 500		800 x 600 x 700	2000	3 Phase 415 VAC
2800	284	700 x 700 x 580		800 x 835 x 700	4000	
2700	306	850 x 600 x 600		950 x 735 x 720	4000	
<b>3 Directional Wave Ultrasonic Cleaners</b>						
1300	56	500 x 250 x 450	Inlet & Outlet	542 x 442 x 520	1500	1 Phase 230 VAC
1800	88	550 x 400 x 400		750 x 500 x 520	1500	
2400	92	350 x 350 x 750		550 x 550 x 850	3000	3 Phase 415 VAC
<i>Please refer to Page 37 for Accessories.</i>						



Separated Tank with Generator



3 Directional Wave Ultrasonic Cleaner

## 50 to 135 kHz Ultrasonic Cleaner Model Selections

50 kHz	68 kHz	80 kHz	124 kHz	135 kHz
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Power (Watts)	Volume (Litres)	50 kHz Model	68 kHz Model	80 kHz Model	124 kHz Model	135 kHz Model
300	15	AST- <del>50</del> 400-15H	AST- <del>68</del> 400-15H	AST- <del>80</del> 400-15H	AST- <del>124</del> 400-15H	AST- <del>135</del> 400-15H
600	38	AST- <del>50</del> 600-38H	AST- <del>68</del> 600-38H	AST- <del>80</del> 600-38H	AST- <del>124</del> 600-38H	AST- <del>135</del> 600-38H
1000	80	AST- <del>50</del> 1000-80H	AST- <del>68</del> 1000-80H	AST- <del>80</del> 1000-80H	AST- <del>124</del> 1000-80H	AST- <del>135</del> 1000-80H
1200	96	AST- <del>50</del> 1200-96H	AST- <del>68</del> 1200-96H	AST- <del>80</del> 1200-96H	AST- <del>124</del> 1200-96H	AST- <del>135</del> 1200-96H
1500	130	AST- <del>50</del> 1500-130H-3	AST- <del>68</del> 1500-130H-3	AST- <del>80</del> 1500-130H-3	AST- <del>124</del> 1500-130H-3	AST- <del>135</del> 1500-130H-3

Please refer to [Page 37](#) for Accessories.

## 170 to 200 kHz Ultrasonic Cleaner Model Selections

170 kHz	200 kHz
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Power (Watts)	Volume (Litres)	170 kHz Model	200 kHz Model
300	15	AST- <del>170</del> 400-15H	AST- <del>200</del> 400-15H
600	38	AST- <del>170</del> 600-38H	AST- <del>200</del> 600-38H
1000	80	AST- <del>170</del> 1000-80H	N.A.

Please refer to [Page 37](#) for Accessories.

## Inner & Outer Tank Specifications & Dimensions

Power (Watts)	Volume (Litres)	Inner Tank Size L x B x H (mm)	In/Out Valves	External Tank Size L x B x H (mm)	Heating Power (Watts)	Input Power Supply
300	15	300 x 250 x 200	Outlet	342 x 292 x 320	Optional	1 Phase 230 VAC
600	38	450 x 300 x 280		492 x 342 x 400		
1000	80	500 x 400 x 400	Inlet & Outlet	542 x 442 x 520	Optional / 1500	
1200	96	600 x 400 x 400		642 x 442 x 520	Optional / 1500	
1500	130	660 x 570 x 350		760 x 705 x 470	2000	3 Phase 415 VAC



## Heavy Duty Basket for ALT Series

✓ Made in Stainless Steel 316, superior strength and corrosion-resistant

Basket for ALT Tank	Model	Teflon-coated Model	Grid Size (mm)	Dimension Size L x B x H (mm)	Material	Suitable for ALT Series Tank Size (L)
	ABK-ALT-12- <b>00</b>	ABK-ALT-12- <b>00</b> P	25 x 25	285 x 230 x 100	SS316	12
	ABK-ALT-17- <b>00</b>	ABK-ALT-17- <b>00</b> P		330 x 230 x 130		17
	ABK-ALT-24- <b>00</b>	ABK-ALT-24- <b>00</b> P		380 x 280 x 130		24
	ABK-ALT-40- <b>00</b>	ABK-ALT-40- <b>00</b> P		380x 380 x 180		40
	ABK-ALT-45- <b>00</b>	ABK-ALT-45- <b>00</b> P		480 x 280 x 230		45
	ABK-ALT-50- <b>00</b>	ABK-ALT-50- <b>00</b> P		430 x 430 x 180		50
	ABK-ALT-69- <b>00</b>	ABK-ALT-69- <b>00</b> P		530 x 330 x 290		69
	ABK-ALT-72- <b>00</b>	ABK-ALT-72- <b>00</b> P		580 x 380 x 230		72
	ABK-ALT-82- <b>00</b>	ABK-ALT-82- <b>00</b> P		530 x 280 x 425		82
	ABK-ALT-90- <b>00</b>	ABK-ALT-90- <b>00</b> P		580 x 580 x 230		90
	ABK-ALT-140- <b>00</b>	ABK-ALT-140- <b>00</b> P		680 x 480 x 330		140
	ABK-ALT-245- <b>00</b>	ABK-ALT-245- <b>00</b> P		680 x 480 x 330		245
	ABK-ALT-270- <b>00</b>	ABK-ALT-270- <b>00</b> P		870 x 570 x 430		270
ABK-ALT-420- <b>00</b>	ABK-ALT-420- <b>00</b> P	1126 x 560 x 550	420			
<p><b>Grid Size Options</b>  <b>00</b> – 25 x 25 mm (standard)  <b>005</b> – 5 x 5 mm  <b>01</b> – 10 x 10 mm</p> <p>Ordering Format - e.g. Grid Size Type <b>01</b> (10 x 10 mm)                      (ABK-ALT-12-<b>01</b> or ABK-ALT-12-<b>01</b>P)</p>						

## Inner Container for ALT Series

Inner Container	Model	Dimension Size L x B x H (mm)	Material	Suitable for ALT Series Tank Size (L)
	ABK-ALT-12- <b>XX</b>	240 x 200 x 120	SS316	12
	ABK-ALT-24- <b>XX</b>	340 x 250 x 150		24
	ABK-ALT-40- <b>XX</b>	340 x 340 x 200		40
	ABK-ALT-45- <b>XX</b>	440 x 240 x 250		45
	ABK-ALT-72- <b>XX</b>	520 x 340 x 250		72
	ABK-ALT-82- <b>XX</b>	470x 240 x 350		82

## Mesh Tray for ALT Series

- ✓ Uses the entire width space of the Ultrasonic Tank by placing a Mesh Tray on the Tank's Basket Brackets

Mesh Tray	Model	Dimension Size L x B (mm)	Rod Size (mm)	Material	Suitable for ALT Series Tank Size (L)
	ABK-ALT-12-02	295 x 240	5	SS304	12
	ABK-ALT-17-02	340 x 240			17
	ABK-ALT-24-02	390 x 290			24
	ABK-ALT-40-02	390 x 390	6		40
	ABK-ALT-45-02	490 x 290			45
	ABK-ALT-50-02	440 x 440			50
	ABK-ALT-69-02	540 x 340			69
	ABK-ALT-72-02	590 x 390	8		72
	ABK-ALT-82-02	540 x 290			82
	ABK-ALT-90-02	590 x 490			90
	ABK-ALT-140-02	685 x 485	10		140
	ABK-ALT-245-02	685 x 685			245
	ABK-ALT-270-02	885 x 585	270		
	ABK-ALT-420-02	1130 x 560	420		

## Customised Baskets Available on Request



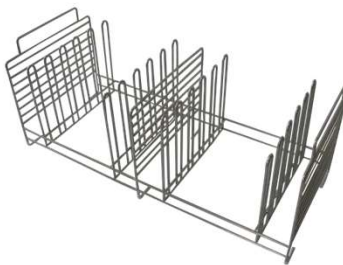
Heavy Duty Basket



Internal Basket



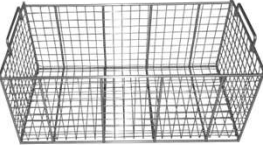


Partition Basket




## Heavy Duty Basket for AST Series

✓ Made in Stainless Steel 316, superior strength and corrosion-resistant

Basket for AST Tank	Model	Teflon-coated Model	Grid Size (mm)	Dimension Size L x B x H (mm)	Material	Suitable for AST Series Tank Size (L)
	ABK-AST-15- <b>00</b>	ABK-AST-15- <b>00P</b>	25 x 25	280 x 230 x 130	SS316	15
	ABK-AST-38- <b>00</b>	ABK-AST-38- <b>00P</b>		430 x 280 x 210		38
	ABK-AST-56- <b>00</b>	ABK-AST-56- <b>00P</b>		480 x 230 x 380		56
	ABK-AST-80- <b>00</b>	ABK-AST-80- <b>00P</b>		480 x 380 x 330		80
	ABK-AST-88- <b>00</b>	ABK-AST-88- <b>00P</b>		530 x 380 x 330		88
	ABK-AST-92- <b>00</b>	ABK-AST-92- <b>00P</b>		330 x 330 x 650		92
	ABK-AST-96- <b>00</b>	ABK-AST-96- <b>00P</b>		580 x 380 x 330		96
	ABK-AST-130- <b>00</b>	ABK-AST-130- <b>00P</b>		640 x 550 x 280		130
	ABK-AST-175- <b>00</b>	ABK-AST-175- <b>00P</b>		680 x 480 x 430		175
	ABK-AST-284- <b>00</b>	ABK-AST-284- <b>00P</b>		670 x 670 x 500		284
	ABK-AST-306- <b>00</b>	ABK-AST-306- <b>00P</b>	820 x 570 x 520		306	
	<b>Grid Size Options</b> <b>00 – 25 x 25 mm (standard)</b> <b>005 – 5 x 5 mm</b> <b>01 – 10 x 10 mm</b>  Ordering Format - e.g. Grid Size Type <b>01 (10 x 10 mm)</b> (Eg. ABK-AST-15- <b>01</b> or ABK-AST-15- <b>01P</b> )					

## Inner Container for AST Series

Inner Container	Model	Dimension Size (L x B x H)(mm)	Material	Suitable for AST Series Tank Size (L)
	ABK-AST-15-XX	240 x 200 x 150	SS316	15
	ABK-AST-38-XX	370 x 250 x 220		38
	ABK-AST-56-XX	440 x 200 x 350		56
	ABK-AST-80-XX	420 x 340 x 300		80
	ABK-AST-88-XX	470 x 340 x 300		88
	ABK-AT-130-XX	580 x 510 x 250		130



## Mesh Tray for AST Tank

✓ Uses the entire width space of the Ultrasonic Tank by placing a Mesh Tray on the Tank's Basket Brackets

Mesh Tray	Model	Dimension Size L x B (mm)	Rod Size (mm)	Material	Suitable for AST Series Tank Size (L)
	ABK-AST-15-01	290 x 240	5	SS316	15
	ABK-AST-38-01	440 x 290			38
	ABK-AST-56-01	490 x 240			56
	ABK-AST-80-01	490 x 390	6		80
	ABK-AST-88-01	540 x 390			88
	ABK-AST-92-01	340 x 340			92
	ABK-AST-96-01	590 x 390			96
	ABK-AST-130-01	650 x 560			130
	ABK-AST-175-01	685 x 485	8		175
	ABK-AST-284-01	685 x 685			284
	ABK-AST-306-01	835 x 585	10		306

## Customised Baskets Available on Request



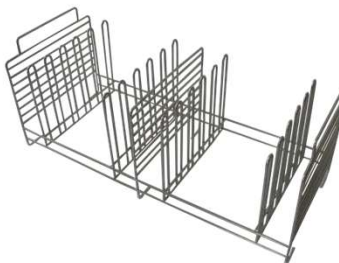
Heavy Duty Basket



Internal Basket



Partition Basket



## ▶ AIM Series – Immersible Ultrasonic Cleaner



Ultrasonic Immersible Unit with External Generator

- ✓ SS316L Stainless Steel Material
- ✓ Flexible Mounting Options
- ✓ Thin Profile 70 – 85 mm
- ✓ Available in 600W, 1000W, 1200W and 2000W output
- ✓ Standard sizes and Customised sizes are available

## ▶ ATB Series – Tubular Ultrasonic Cleaner



Tubular Ultrasonic

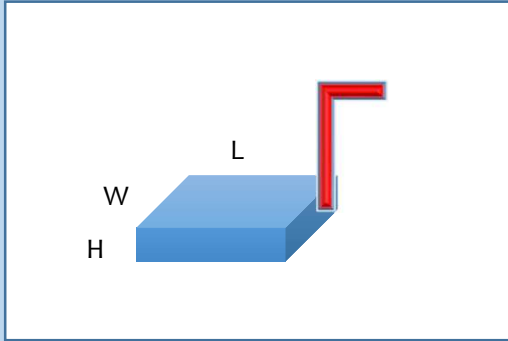


Cascading Sonotrode

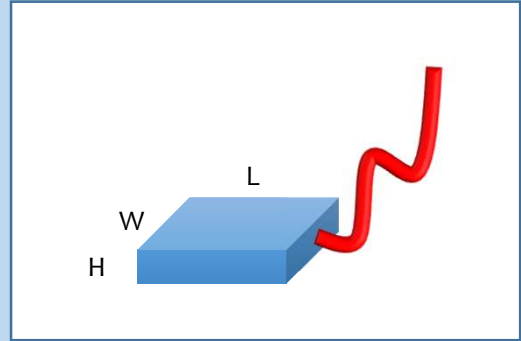


- ✓ 360-degree radiating on the circular tube providing omnidirectional cleaning energy with minimal dead zone
- ✓ High Power and High Efficiency
- ✓ Not affected by depths of liquid
- ✓ Uniformity of oscillation from external tubing

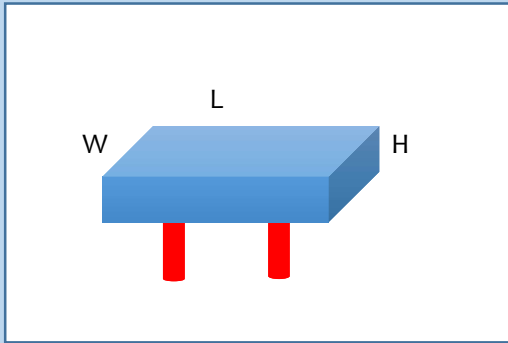
► Riser Type



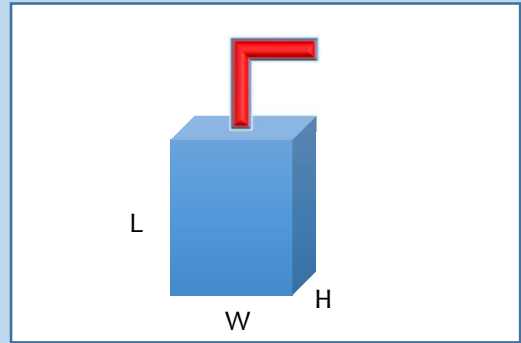
Riser Type 01  
Pipe On Horizontal Immersible



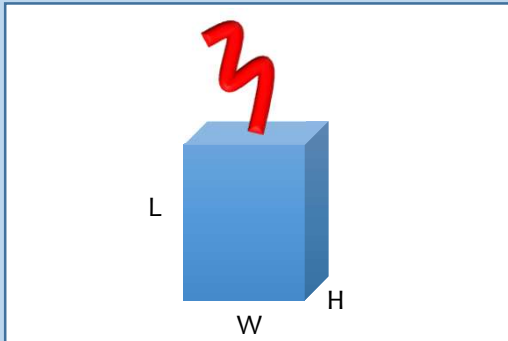
Riser Type 02  
Flexible Hose on Horizontal Immersible



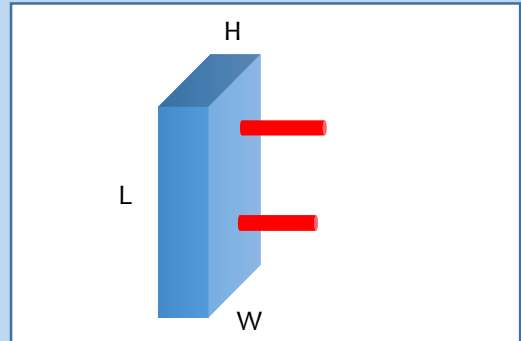
Riser Type 03  
Bulk Head on Horizontal Immersible



Riser Type 04  
Pipe On Vertical Immersible



Riser Type 05  
Flexible Hose On Vertical Immersible



Riser Type 06  
Bulk Head on Vertical Immersible



Immersible Piping



Flexible Hose



Bulk Head

## 20 to 40 kHz Ultrasonic Immersible Model Selections

20 kHz	28 kHz	33 kHz	40 kHz
--------	--------	--------	--------

Power (Watts)	20 kHz Model	28 kHz Model	33 kHz Model	40 kHz Model
300	AIM-20300-LLLWWW-TT	AIM-28300-LLLWWW-TT	AIM-33300-LLLWWW-TT	AIM-40300-LLLWWW-TT
600	AIM-20600-LLLWWW-TT	AIM-28600-LLLWWW-TT	AIM-33600-LLLWWW-TT	AIM-40600-LLLWWW-TT
800	AIM-20800-LLLWWW-TT	AIM-28800-LLLWWW-TT	AIM-33800-LLLWWW-TT	AIM-40800-LLLWWW-TT
1000	AIM-201000-LLLWWW-TT	AIM-281000-LLLWWW-TT	AIM-331000-LLLWWW-TT	AIM-401000-LLLWWW-TT
1200	AIM-201200-LLLWWW-TT	AIM-281200-LLLWWW-TT	AIM-331200-LLLWWW-TT	AIM-401200-LLLWWW-TT
1500	AIM-201500-LLLWWW-TT	AIM-281500-LLLWWW-TT	AIM-331500-LLLWWW-TT	AIM-401500-LLLWWW-TT
2000	AIM-202000-LLLWWW-TT	AIM-282000-LLLWWW-TT	AIM-332000-LLLWWW-TT	AIM-402000-LLLWWW-TT
2400	AIM-202400-LLLWWW-TT	AIM-282400-LLLWWW-TT	AIM-332400-LLLWWW-TT	AIM-402400-LLLWWW-TT

E.g. AIM-20300-028020-01, for 028 cm Length, 020 cm Width, 01 – Riser Type 01  
**LLLWWW-TT** – Refer to [Page 21](#) for the configuration parameters.

Please refer to [Page 37](#) for Accessories.

## 20 to 40kHz Ultrasonic Generator Model Selections

Power (Watts)	20 kHz Generator Model	28 kHz Generator Model	33 kHz Generator Model	40 kHz Generator Model
300	AHG-20300	AHG-28300	AHG-33300	AHG-40300
600	AHG-20600	AHG-28600	AHG-33600	AHG-40600
800	AHG-20800	AHG-28800	AHG-33800	AHG-40800
1000	AHG-201000	AHG-281000	AHG-331000	AHG-401000
1200	AHG-201200	AHG-281200	AHG-331200	AHG-401200
1500	AHG-201500	AHG-281500	AHG-331500	AHG-401500
2000	AHG-202000	AHG-282000	AHG-332000	AHG-402000
2400	AHG-202400	AHG-282400	AHG-332400	AHG-402400

## Inner & Outer Immersible Specifications & Dimensions

Power (Watts)	Immersible Size L x B x H (mm)	Input Power Supply
300	280 x 200 x 75	1 Phase 230 VAC
600	380 x 300 x 75	
800	360 x 330 x 75	
1000	470 x 280 x 75	
1200	560 x 370 x 75	
1500	540 x 450 x 75	
2000	750 x 450 x 75	
2400	770 x 580 x 75	



Immersible Units with Matching Generators

<b>Model Format</b>	AIM-33300-028020-01 AIM-FFPPPP-LLLWWW-TT
<b>AIM – Alstron Immersible Series</b>	
<b>FF – Frequency (in kHz)</b>	<b>PPPP – Ultrasonic Power Rating (in Watts)</b>
<b>Specification Configuration</b>	
<b>LLL – Length (in cm) (e.g. 028 = 28 cm)</b>	<b>WWW– Width (in cm) (e.g. 020 = 20 cm)</b>
<b>TT – Riser Type (refer to page 19)</b>	

## 50 to 135 kHz Ultrasonic Immersible Model Selections

50 kHz   68 kHz   80 kHz   100 kHz   124 kHz   135 kHz

Power (Watts)	50 kHz Model	68 kHz Model	80 kHz Model	100 kHz Model	124 kHz Model	135 kHz Model
300	AIM-50300-LLLWWW-TT	AIM-68300-LLLWWW-TT	AIM-80300-LLLWWW-TT	AIM-100300-LLLWWW-TT	AIM-124300-LLLWWW-TT	AIM-135300-LLLWWW-TT
600	AIM-50600-LLLWWW-TT	AIM-68600-LLLWWW-TT	AIM-80600-LLLWWW-TT	AIM-100600-LLLWWW-TT	AIM-124600-LLLWWW-TT	AIM-135600-LLLWWW-TT
800	AIM-50800-LLLWWW-TT	AIM-68800-LLLWWW-TT	AIM-80800-LLLWWW-TT	AIM-100800-LLLWWW-TT	AIM-124800-LLLWWW-TT	AIM-135800-LLLWWW-TT
1000	AIM-501000-LLLWWW-TT	AIM-681000-LLLWWW-TT	AIM-801000-LLLWWW-TT	AIM-1001000-LLLWWW-TT	AIM-1241000-LLLWWW-TT	AIM-1351000-LLLWWW-TT
1200	AIM-501200-LLLWWW-TT	AIM-681200-LLLWWW-TT	AIM-801200-LLLWWW-TT	AIM-1001200-LLLWWW-TT	AIM-1241200-LLLWWW-TT	AIM-1351200-LLLWWW-TT
1500	AIM-501500-LLLWWW-TT	AIM-681500-LLLWWW-TT	AIM-801500-LLLWWW-TT	AIM-1001500-LLLWWW-TT	AIM-1241500-LLLWWW-TT	AIM-1351500-LLLWWW-TT

(Eg. AIM-50300-028020-01, for 028 cm Length, 020 cm Width, 01 – Riser Type 01)  
**LLLWWW-TT** – Refer to [Page 21](#) for the configuration parameters.

Please refer to [Page 37](#) for Accessories.

## 170 to 200 kHz Ultrasonic Immersible Model Selections

170 kHz   200 kHz

Power (Watts)	170 kHz Model	200 kHz Model
300	AIM-170300-LLLWWW-TT	AIM-200300-LLLWWW-TT
600	AIM-170600-LLLWWW-TT	AIM-200600-LLLWWW-TT
800	AIM-170800-LLLWWW-TT	AIM-200800-LLLWWW-TT
1000	AIM-1701000-LLLWWW-TT	-

E.g. AIM-170300-028020-01, for 028 cm Length, 020 cm Width, 01 – Riser Type 01)  
**LLLWWW-TT** – Refer to [Page 21](#) for the configuration parameters.

Please refer to [Page 37](#) for Accessories.

## 50 to 135kHz Ultrasonic Generator Model Selections

Power (Watts)	50 kHz Model	68 kHz Model	80 kHz Model	100 kHz Model	124 kHz Model	135 kHz Model
300	AHG-50300	AHG-68300	AHG-80300	AHG-100300	AHG-124300	AHG-135300
600	AHG-50600	AHG-68600	AHG-80600	AHG-100600	AHG-124600	AHG-135600
800	AHG-50800	AHG-68800	AHG-80800	AHG-100800	AHG-124800	AHG-135800
1000	AHG-501000	AHG-681000	AHG-801000	AHG-1001000	AHG-1241000	AHG-1351000
1200	AHG-501200	AHG-681200	AHG-801200	AHG-1001200	AHG-1241200	AHG-1351200
1500	AHG-501500	AHG-681500	AHG-801500	AHG-1001500	AHG-1241500	AHG-1351500

## 170 to 200kHz Ultrasonic Generator Model Selections

Power (Watts)	170 kHz Model	200 kHz Model
300	AHG-170300	AHG-200300
600	AHG-170600	AHG-200600
800	AHG-170800	AHG-200800
1000	AHG-1701000	-

## Immersible Specifications & Dimensions

Power (Watts)	Immersible Size L x B x H (mm)	Input Power Supply
300	280 x 200 x 75	1 Phase 230 VAC
600	380 x 300 x 75	
800	360 x 330 x 75	
1000	470 x 280 x 75	
1200	560 x 370 x 75	
1500	540 x 450 x 75	

## 25/45 ~ 40/100 kHz Ultrasonic Immersible Model Selections

25/45 kHz    40/80 kHz    40/100 kHz

Power (Watts)	25/45 kHz Model	40/80 kHz Model	40/100 kHz Model
300	AIM-2545-300-LLLWWW-TT	AIM-4080-300-LLLWWW-TT	AIM-40100-300-LLLWWW-TT
600	AIM-2545-600-LLLWWW-TT	AIM-4080-600-LLLWWW-TT	AIM-40100-600-LLLWWW-TT
800	AIM-2545-800-LLLWWW-TT	AIM-4080-800-LLLWWW-TT	AIM-40100-800-LLLWWW-TT
1000	AIM-2545-1000-LLLWWW-TT	AIM-4080-1000-LLLWWW-TT	AIM-40100-1000-LLLWWW-TT
1200	AIM-2545-1200-LLLWWW-TT	AIM-4080-1200-LLLWWW-TT	AIM-40100-1200-LLLWWW-TT
1500	AIM-2545-1500-LLLWWW-TT	AIM-4080-1500-LLLWWW-TT	AIM-40100-1500-LLLWWW-TT

E.g. AIM-2545-300-028020-01, for 028 cm Length, 020 cm Width, 01 – Riser Type 01)  
**LLLWWW-TT** – Refer to [Page 21](#) for the configuration parameters.

Please refer to [Page 37](#) for Accessories.

## Dual Frequency Ultrasonic Generator Model Selections

Power (Watts)	25/45 kHz Generator Model	40/80 kHz Generator Model	40/100 kHz Generator Model
300	AHG-2545-300	AHG-4080-300	AHG-40100-300
600	AHG-2545-600	AHG-4080-600	AHG-40100-600
800	AHG-2545-800	AHG-4080-800	AHG-40100-800
1000	AHG-2545-1000	AHG-4080-1000	AHG-40100-1000
1200	AHG-2545-1200	AHG-4080-1200	AHG-40100-1200
1500	AHG-2545-1500	AHG-4080-1500	AHG-40100-1500

## Immersible Specifications & Dimensions

Power (Watts)	Immersible Size L x B x H (mm)	Input Power Supply
300	280 x 200 x 75	1 phase 230 Vac
600	380 X 300 x 75	
800	360 x 330 x 75	
1000	470 x 280 x 75	
1200	560 x 370 x 75	
1500	540 x 450 x 75	



## Tubular Series

- ✓ SS316 Construction
- ✓ High Efficiency
- ✓ 360-degree radiating surface



26 kHz

Power (Watts)	Length (mm)	Tubular Probe Model with Generator	Tubular Probe Model	Frequency (kHz)	Diameter (mm)
500	270	ATB-AHG-26500-270	ATB-26500-270	26	73
1000	458	ATB-AHG-261000-458	ATB261000-458		
1100	624	ATB-AHG-261100-624	ATB-261100-624		
1200	790	ATB-AGH-261200-790	ATB-261200-790		
1300	957	ATB-AHG-261300-957	ATB-261300-957		
1500	1123	ATB-AHG-261500-1123	ATB-261500-1123		
2000	910	ATB-AHG-262000-910	ATB-262000-910		

## Cascading Ultrasonic Sonotrode

- ✓ Titanium alloy radiator provides high durability
- ✓ 360 degree radiating surface provides omnidirectional energy with minimum dead zone

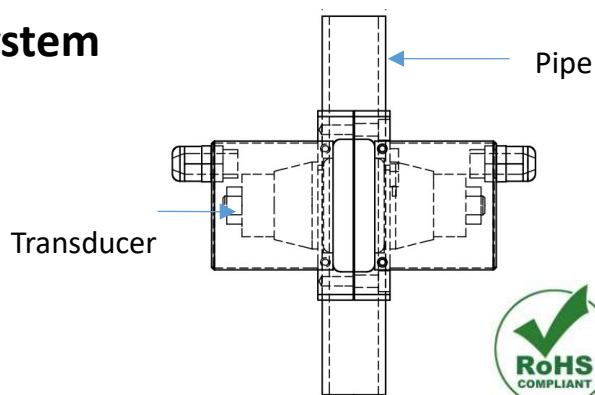


20 kHz

Power (Watts)	Cascade Length (mm)	Sonotrode with Generator	Cascading Probe Model	Frequency (kHz)	A Length (mm)	Diameter (mm)
1000	210	ACS-AHG-201000-210	ACS-201000-210	20	570	53
1000	350	ACS-AHG-201000-350	ACS-201000-350		710	
1500	490	ACS-AHG-201500-490	ACS-201500-490		850	
2000	630	ACS-AHG-202000-630	ACS-202000-630		990	

## Circular Piping Cleaning System

- ✓ Clamp On Transducers
- ✓ Non-Intrusive on Pipe cleaning



20 kHz    28 kHz    40 kHz

Power (W)	Frequency (kHz)	Pipe Size (1 inch)	Pipe Size (1.5 inch)	Pipe Size (2 inch)	Pipe Size (3 inch)
100	20	ACP-20100-10	ACP-20100-15	ACP-20100-20	ACP-20100-30
200	20	ACP-20200-10	ACP-20200-15	ACP-20200-20	ACP-20200-30
300	20	ACP-20300-10	ACP-20300-15	ACP-20300-20	ACP-20300-30

## Specifications & Dimensions

Power (W)	Frequency (kHz)	Length (mm)	Choice of Generator
100	20	100	ACPG-28100 or ACPG-20100-T (Temp. Display) ACPG-20200 or ACPG-20200-T ACPG-20300 or ACPG-20300-T ACPG-20400 or ACPG-20400-T ACPG-20500 or ACPG-20500-T ACPG-20600 or ACPG-20600-T
200	20	200	
300	20	300	

<b>Model Format</b>	ACP-28100-10 ACP-FFPPP-LL
<b>ACP – Alstron Circular Piping Transducers Series</b>	
<b>FF – Frequency (in kHz)</b>	<b>PPP – Ultrasonic Power Rating (in Watts)</b>
<b>LLL – Pipe Size (e.g. 10 = 1 Inch)</b>	



Ultrasonic Generator



Ultrasonic Generator with Temperature Control

## ▶ AHG Series

- ✓ Adjustable Ultrasonic Power Intensity Control
- ✓ Selectable Frequency (Single or Dual Options)
- ✓ Power Input: 1 Phase 230V or 3 Phase 415V
- ✓ Frequency Control – Microprocessor-based, Auto PLL
- ✓ Sweep Frequency Control
- ✓ Remote Control – Contact or Voltage Control

## Alstron Ultrasonic Generators can be used for -



ALT and AST Series Tanks



Immersibles



Customised Tanks

## 28 to 40 kHz Ultrasonic Generator Model Selections

28 kHz    33 kHz    40 kHz

Power (Watts)	28 kHz Model	33 kHz Model	40 kHz Model
300	AHG- <del>28</del> 300	AHG- <del>33</del> 300	AHG- <del>40</del> 300
600	AHG- <del>28</del> 600	AHG- <del>33</del> 600	AHG- <del>40</del> 600
800	AHG- <del>28</del> 800	AHG- <del>33</del> 800	AHG- <del>40</del> 800
1200	AHG- <del>28</del> 1200	AHG- <del>33</del> 1200	AHG- <del>40</del> 1200
1500	AHG- <del>28</del> 1500	AHG- <del>33</del> 1500	AHG- <del>40</del> 1500
2000	AHG- <del>28</del> 2000	AHG- <del>33</del> 2000	AHG- <del>40</del> 2000
2400	AHG- <del>28</del> 2400	AHG- <del>33</del> 2400	AHG- <del>40</del> 2400
2800	AHG- <del>28</del> 2800	AHG- <del>33</del> 2800	AHG- <del>40</del> 2800

Please refer to [Page 37](#) for Accessories.

## Specifications & Dimensions

Power (Watts)	Dimension Size L x W x H (mm)	Frequency Control	Power Intensity Control	Sweeping Function	Remote Contact / Voltage Control	Input Power Supply
300	300 x 360 x 150	Micro Processor Based	Yes	Yes	Yes	230 V 1 Phase
600						
800						
1200						
1500	355 x 390 x 145					
2000						
2400						
2800						

## 68 to 135 kHz Ultrasonic Generator Model Selections

68 kHz    80 kHz    135 kHz

Power (Watts)	68 kHz Model	80 kHz Model	135 kHz Model
300	AHG- <del>68</del> 300	AHG- <del>80</del> 300	AHG- <del>135</del> 300
600	AHG- <del>68</del> 600	AHG- <del>80</del> 600	AHG- <del>135</del> 600
1000	AHG- <del>68</del> 1000	AHG- <del>80</del> 1000	AHG- <del>135</del> 1000
1200	AHG- <del>68</del> 1200	AHG- <del>80</del> 1200	AHG- <del>135</del> 1200
1500	AHG- <del>68</del> 1500	AHG- <del>80</del> 1500	-
Please refer to <a href="#">Page 37</a> for Accessories			

## Specifications & Dimensions

Power (Watts)	Dimension Size L x W x H (mm)	Frequency Control	Power Intensity Control	Sweeping Function	Remote Contact / Voltage Control	Temp Control	Input Power Supply
300	355 x 395 x 145	Micro Processor Based	Yes	Yes	Yes	No	230 V 1 Phase
600							
1000							
1200							
1500							

## 25/45 to 40/100 kHz Ultrasonic Generator Model Selections

25/45 kHz    40/80 kHz    40/100 kHz

Power (Watts)	25/45 kHz Model	40/80 kHz Model	40/100 kHz Model
300	AHG- <del>2545</del> -300	AHG- <del>4080</del> -300	AHG- <del>40100</del> -300
600	AHG- <del>2545</del> -600	AHG- <del>4080</del> -600	AHG- <del>40100</del> -600
1000	AHG- <del>2545</del> -1000	AHG- <del>4080</del> -1000	AHG- <del>40100</del> -1000
1200	AHG- <del>2545</del> -1200	AHG- <del>4080</del> -1200	AHG- <del>40100</del> -1200
1500	AHG- <del>2545</del> -1500	AHG- <del>4080</del> -1500	AHG- <del>40100</del> -1500

Please refer to [Page 37](#) for Accessories.

## Specifications & Dimensions

Power (Watts)	Dimension Size L x B x H (mm)	Frequency Control	Power Intensity Control	Sweeping Function	Remote Contact / Voltage Control	Temp Control	Input Power Supply
300	355 x 395 x 145	Micro Processor Based	Yes	Yes	Yes	No	230 V 1 Phase
600							
1000							
1200							
1500							

**Model Format**                      AHG-33300-H  
   **AHG-FFPPPP-H**  
**AHG – Alstron Ultrasonic Generator**  
**FF – Frequency (in kHz)**        **PPPP – Ultrasonic Power Rating (in Watts)**  
**H – Temperature Control**

## Recirculation Tank with Oil Separator

- ✓ Standalone Ultrasonic Cleaner with Recirculation system
- ✓ Includes Heater & Automatic Valve Control
- ✓ Chemical Pump with Filter
- ✓ PLC Control with HMI Control
- ✓ SS316 Construction for Wetted Parts
- ✓ SS304 Structure & External Cover

33 kHz

Power (Watts)	Volume (Litres)	33 kHz Model
1000	45	ARC-331000-50H-RCS
1500	90	ARS-331500-90H-RCS
2400	192	ARS-332400-192H-RCS
Please refer to <a href="#">Page 37</a> for Accessories.		

## Inner Tank Specifications & Dimensions

Power (Watts)	Volume (Litres)	Inner Tank Size L x B x H (mm)	Recirculation Pump	Oil Separator	Heating Power (Watts)	Input Power Supply
1000	45	500 x 300 x 300	Yes	Yes	1200	230 V 1 Phase
1500	90	600 x 500 x 300			2000	415 V 3 Phase
2400	192	800 x 600 x 400			4000	

## Standalone Rinsing Tank with Recirculation Filter, Heater & Hand Spray

- ✓ Rinsing Station after Cleaning Process
- ✓ Saves Water by recirculating water use for Initial Rinse
- ✓ Final Rinse with from Hand Spray
- ✓ Over-flow Water is Automatically Drained
- ✓ SS316 Construction for Wetted Parts

Heating Power (Watts)	Volume (Litres)	Model
1200	50	ARS-800-50H-RC
1500	72	ARS-1200-72H-RC
2000	175	ARS-2000-175H-RC

Please refer to [Page 37](#) for Accessories.

## Inner & Outer Tank Specifications & Dimensions

Heating Power (Watts)	Volume (Litres)	Inner Tank Size L x B x H (mm)	Filter Element & Pump	Inlet & Outlet	Overflow	Hand Spray	Available For ALT/AST Models
1200	50	450 x 450 x 250	Yes	1/2 inch & 1 inch	Yes	Yes	ALT-XX800 AST-XX800
1500	72	600 x 400 x 300		1/2 inch & 1 1/4 inch			ALT-XX1200 AST-XX1200
2000	175	700 x 500 x 500		1/2 inch & 1 1/4 inch			ALT-XX2000 AST-XX1200





- ✓ Consistency of Power in the Cleaning Tank for Quality Cleaning Process
- ✓ Measures energy variations with different cleaning liquids and temperature
- ✓ Compares the power output of different tanks of similar capacity
- ✓ Checks aging transducers in the Cleaning System
- ✓ Mapping of Power Intensity in different depths of the tank for best cleaning results
- ✓ For periodic maintenance and data collection of Ultrasonic Tank to determine Tank's characteristics

Model	UM-UEC300P	UM-DBS-200S
Measuring Span	0 – 25.4 w/cm <sup>2</sup>	0 – 255 w/in <sup>2</sup>
Measuring Frequency	10 kHz – 200 kHz	
Data Display	Colour Screen, Values (Instantaneous, Max., Instantaneous Frequency, Records Value), Sound Intensity Curve	Colour Screen, Time and Energy Curve, Maximum/Average/Minimum Values
Data Storage	200 Sets	100 Files
Power Supply	2x Rechargeable battery 3.7 V	1x Rechargeable battery 3.7V
Probe Operating Temperature	0 - 135°C	0 – 150°C
Probe Material	Stainless Steel (Precision)	Stainless Steel
Probe Diameter	27 mm	25 mm
Probe Length	0.5 m Detector ; +0.5 m Cable	1.0 m ; +0.5 m Cable
Frequency Display	Yes	Yes
Meter Dimension (L x W x H)	100 x 220 x 32 mm	100 x 200 x 32 mm
Storage Box Dimensions (L x W x H)	764 x 173 x 96 mm	584 x 223 x 91 mm
Weight	2.7 kg	3.3 kg



Probe with Ultrasonic Meter



Ultrasonic Meter Set with Storage Box

- ✓ **Stable & Reliable**
- ✓ **Uniformity of Temperature within the Oven**
- ✓ **Use of Sirocco Blower which provides greater air flow, preventing any dead zone within the Oven**
- ✓ **Microprocessor-based Temperature Control**
- ✓ **PT100 Sensor**
- ✓ **Side Access Port for cables to enter Chamber**
- ✓ **Temperature Range Up to 200°C**  
(Option: High-300°C)
- ✓ **Independent Over-Temperature Protection**
- ✓ **Optional: RS232/RS485 Output for Data Logging**



Model	ALO-2000-91-1	ALO-2700-216-1	ALO-5800-324-3	ALO-6800-512-3	ALO-8000-1000-3
HMI	HMI-ALO-2000-91-1	HMI-ALO-2700-216-1	HMI-ALO-5800-324-3	HMI-ALO-6800-512-3	HMI-ALO-8000-1000-3
Power (kW)	2	2.7	5.8	6.8	8.0
Input Supply	1 Phase 220 VAC, 50/60 Hz		3 Phase 415 VAC, 50/60 Hz		
External Dimension L x W x H (mm)	775 x 620 x 1050	925 x 770 x 1200	925 x 770 x 1500	1143 x 1000 x 1400	1343 x 1200 x 1600
Internal Dimension L x W x H (mm)	450 x 450 x 450	600 x 600 x 600	600 x 600 x 900	800 x 800 x 800	1000 x 1000 x 1000
Volume (Litres)	91	216	324	512	1000
No. of Doors	1	1	1	2	2
Internal Construction	High-Quality SUS304 Stainless Steel Plate				
No. of Racks	2	2	2	3	3
Insulation Material	Glass Fibre				
Temp. Range	R.T + 20 ~ 200°C				
Temp. Fluctuation	≤100°C: ±0.2°C ≤200°C: ±0.4°C				
Temp. Deviation	±2°C				
Temp. Rise Time	≤ 40 min			≤ 60 min	
Temp. Control	PT100				
Temp. Control Type	Microprocessor PID control				
Temp. Reset Method	Press UP/DN to set Value				
Temp. Display	Measurement and Set Temperature LED Digital Display				
Temp. Sensor	Industrial Platinum-resistant PT 100				
Over-Temp. Protection	Yes				
Temp. Recorder	RS232				

## Support Base Table for ALT & AST Cleaning Tank

- ✓ Standalone Table for Cleaning Tank
- ✓ SS304 Construction
- ✓ Optional: Castor Wheel with Brake



Model	Dimension Size L x B x H (mm)	Base Height (mm)	Castor Wheel
ABT-600-500B	450 x 450 x 550	100 (Adjustable)	No
ABT-800-500B	520 x 520 x 500	100 (Adjustable)	No
ABT-1200-470B	680 x 560 x 470	100 (Adjustable)	No
ABT-600-500CW	450 x 450 x 550	105	Yes
ABT-800-500BCW	520 x 520 x 500	105	Yes
ABT-1200-470BCW	680 x 560 x 470	105	Yes

## Base Frame for ALT Tank

- ✓ Base Support Frame for ALT Series
- ✓ SS304 Material
- ✓ Rugged & Rigid
- ✓ Can be bolted down to the ground
- ✓ Used in Marine & Onboard Vessel



Model	Inner Tank Size L x B x H (mm)	Material	Compatible Models
ABS-1200-72-00	654 x 454 x 100	SS304	ALT-xx1200-72H
ABS-1200-82-00	640 x 556 x 100		ALT-xx1200-82H
ABS-1500-90-00	707 x 735 x 100		ALT-xx1500-90H
ABS-2000-140-00	805 x 807 x 100		ALT-xx2000-140H
ABS-2400-245-00	807 x 970 x 100		ALT-xx2400-245H
ABS-2750-420-00	1260 x 880 x 100		ALT-xx2750-420H

\*xx – Denotes different frequencies available. (Refer to Page 4 - Model Format)

## Borosilicate Glasses Container & Beaker

- ✓ For holding solvents, highly caustic and aggressive solutions, and delicate parts during cleaning
- ✓ Suitable for Ultrasonic Cleaning Tank applications; to put into tank filled with water while containing aggressive/volatile solution



Model	Volume (ml)	Outer Diameter (mm)	Thickness (mm)	Height (mm)
ABG-0060-95	600	95	2.1	130
ABG-0100-113	1000	113	2.2	155
ABG-0300-163	3000	163	2.5	215
ABG-0500-186	5000	186	2.5	272
ABG-1000-237	10000	237	3	355

Available in Quartz Glass for Custom Order



Borosilicate Glass Beaker

## Time Based Water Inlet

- ✓ Common Fit for All ALT & AST Tanks with Water Inlet
- ✓ Adjustable Manual Timer
- ✓ Solenoid Valve Control
- ✓ Additional Manual Water Top Up Button



Model	Port Size	Valve Type	Timer	Manual Fill	Power Supply
ATI-0500-SS-MT	1/2 Inch	Solenoid Valve	10 sec – 99 min	Yes	AC 230 V, 1 Phase
ATI-0750-SS-MT	3/4 inch				
- SS denotes 'SS304' - MT denotes "Manual Time"					

## Recirculation Filter Module

- ✓ Standalone Filter Module unit with Recirculation Pump
- ✓ For Oil & Grease Interceptor
- ✓ For Oil & Water Separators
- ✓ Comes with Filter Cartridge for Particle Removal
- ✓ Works with Alstron Standalone Cleaning System

Model	Max Volume (Litres)	Inner Tank Size L x B x H (mm)	Oil Separator	Filter	Castor Wheel	Power Supply
ARM-1200-RCS	25	500 x 300 x 500	Yes	Yes	Yes	230 V 1 Phase
ARM-2750-RCS	90	600 x 450 x 700				

# ALSOLZ Series

## Environmentally-Friendly Degreaser & Cleaner

- ✓ Biodegradable
- ✓ Non-Flammable
- ✓ Non-Corrosive
- ✓ Non-Hazardous



Chemical Model	Volume (ml)	PH Level	Purpose & Usage	Appearance	Odour	Solubility	Dilution (Water : Chemical)
ALSOLZ-801-005	500	9.0 - 9.8	Degreasing and General Cleaning	Aqueous Liquid	Citrus	100%	Ultrasonic Cleaning 3:1
ALSOLZ-801-010	1000						Parts Washing: 1:1
ALSOLZ-802-005	500		Surfactant/Ink Cleaning General Cleaning				Heavy Duty Cleaning 1:1
ALSOLZ-802-005	1000						Ink 1:1 – 2:1 Floor Cleaning 3:1 – 30:1

Portable Heater Model	Power (Watts)	Hot Zone (mm)	Material	Overheat Protection	Temperature Range	Power Supply	Size (mm)
APH-1200-1	1500	80	SS316	Yes	20 - 80°C	230 Vac 1 Phase	450 x 150 (H x L)
APH-2000-1	2000						500 x 200 (H x L)



Silicon Heater	Model	Power (Watts)	Hot Zone (mm)	Material	Overheat Protection	Temperature Range	Power Supply	Size (mm)
	HEATER-201112-03	300	NA	Silicon	No	Up to 70°C	230 Vac 1 Phase	250 x 80 (L x W)
	HEATER-201113-04	600						380 x 80 (L x W)


Immersion Heater	Immersion Heater Model	Power (Watts)	Immersion Length (mm)	Temperature Range	Power Supply	Connection Size
	HEATER-210305-00	1500	280	Up to 100°C	230 VAC 1 Phase	1 inch NPT
	HEATER-201103-03	2000	420			2 inch NPT
	HEATER-201103-06	4000	500			
	HEATER-201112-02	6000	550			


PT100 Sensor	PT100 Sensor Model	Sensor Type	Diameter Size (mm)	Length (m)	Measuring Range	Accuracy	Mounting
	TEMPENSOR-210401-00	PT100	20 (length) x 4 mm (Dia.)	2	Up to 500°C	0.1°C	Epoxy
	TEMPENSOR-210401-01		50 (length) x 6 mm (Dia.)				¼ inch NPT

Dual Display Temperature Controller	Model	Sensor Type	Sampling Cycle (ms)	Alarm Output	Size (mm)	Power Supply
	TC-TZN4S-14S	Thermocouple, PT100	500	SSR x 1	48 x 48	100 - 230 V 1 Phase




Solid State Relay	Model	Rated Load Current	Load Voltage	Trigger Voltage	Response Time
	SSR-25DA	25A	24-380 VAC, 1 Phase	3-32 VDC	10ms
	ESR-25DA	25A	24-420 VAC, 3 Phase	3-32 VDC	8ms

Solenoid Valve	Model	Material	Size (BSP)	Pressure (Bar)	Seal	Power Supply
	A-DN15-24V	SS316	1/2 inch	0 - 5	Viton	DC 24 V
	A-DN20-24V		3/4 inch			
	A-DN25-24V		1 inch			
	A-DN32-24V		1 ¼ inch			
	A-DN40-24V		1 ½ inch			
	A-DN50-24V		2 inch			

Manual Valve	Model	Material	Size (BSP)	Pressure (Bar)	Seal	Max Temp.
	MV-0500-SSB	SS316	1/2 inch	68	PTFE	0 – 180°C
	MV-0750-SSB		3/4 inch			
	MV-1000-SSB		1 inch			
	MV-1250-SSB		1 ¼ inch			
	MV-1500-SSB		1 ½ inch			
	MV-2000-SSB		2 inch			

Filter Housing	Model	Material	Port Size	Length	Temperature Range
	A-PSH102	PP	1/2 inch	10 inch	60°C
	AFH-250-0500-S-00	SS304	1/2 inch	10 inch	120°C

Vertical Float Switch	Model	Material	Stem	Seal	Size Dia. x H (mm)	Max. Current (A)
	FS-1245S	SS316	M10	Viton	28 x 28	0.7
	FS-1642PVDF	PVDF	1/8 NPT		25 x 25	

# Customised Cleaning Tanks

Professionally conceptualise, design, and fabricate to customer's special cleaning process requirements.



Recirculation Ultrasonic Cleaning System with Servo Liter and Basket Oscillation



Dual 40/80kHz Frequency Ultrasonic Cleaning System



Separate Tank Dual Generator Cleaning System



Customised Alstron 28 kHz 4500 Watts Ultrasonic Cleaning System with Immersion Heater and Gas Spring Top Cover

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