

SBU-CS Series Co-Solvent Ultrasonic Vapor Cleaner

Co-Solvent Cleaning

Overview

Branson new generation SBU-CS series co-solvent ultrasonic vapor cleaner is a new type of vapor cleaner developed on the existing SBU series single solvent cleaner. Compared with the existing single solvent cleaner, Co-solvent cleaner has stronger cleaning power, more flexible cleaning process, and wider application. Compared with traditional gas cleaning systems, Co-solvent cleaner uses unique mixed solvents, safer, healthier, more environmentally friendly and lower energy consumption. Unique temperature and liquid level control feedback, fast and automatic liquid filling to stabilize the precise proportion of co-solvent, to ensure the quality of cleaning parts more stable and reliable.

Application

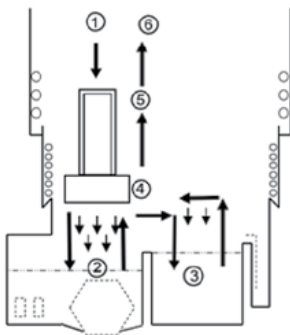
SBU-CS series co-solvent ultrasonic vapor cleaner is widely used in aerospace, automotive parts and semiconductor industry electronic circuit board after welding solder residue, flux cleaning.



Product features

- Unique solvent mixing ratio and high precision liquid level and temperature control, fast automatic fluid filling, to ensure the stability of equipment cleaning ability.
- Free zone 1:1.6 aspect ratio, greatly reduce the solvent loss.
- Adjustable heating and solvent fast cooling, improve equipment efficiency and reduce energy consumption.
- Obvious cleaning result for non-cleaning flux (Inventec and 3M are recommended).
- Low toxicity, No ODP (Inventec and 3M are recommended).

Basic Process Flow



1. Loading
2. Boiling cleaning in Boiling Tank
3. Rinse in Ultrasonic Tank
4. Vapor Rinse
5. Condensation drying
6. Unloading

For more information:
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Specifications

Model	SBU-CS3625-C	SBU- CS4533-C	SBU- CS5342-C
Boiling Tank Size(mm)	360 x 250 x 310	450 x 330 x 330	530 x 420 x 410
Rinse Tank Size (mm)	360 x 250 x 260	450 x 330 x 330	530 x 420 x 410
Basket Max Size (mm)	310 x 200 x 200	400 x 290 x 230	470 x 360 x 300
Machine Overall Size (mm)	2200 x 1160 x 2760	2600 x 1350 x 3000	3100 x 1550 x 3400
Ferr Zone Ratio	1:1.6		
Boiling Tank Transducer	40KHz-12 element	40KHz-18 element	40KHz-24 element
Rinse Tank Transducer			
Boiling Tank US Generator	GCX 500W	GCX 750W (special to 1000W)	GCX 1000W (special to 1500W)
Rinse Tank US Generator			
Boiling Tank Heating	4 x 1KW / 220V 1P	4 x 1.5KW / 220V 1P	6 x 1.5KW / 220V 1P
Rinse Tank Heating	0.4KW / 220V 1P	0.8KW / 220V 1P	1.2KW / 220V 1P
Primary Cooling system	Refrigerating 5.3KW / R22A	Refrigerating 7 KW / R22A	Refrigerating 11.4 KW / R22A
Secondary Cooling system	Refrigerating 0.67KW / R404A	Refrigerating 1.0KW / R404A	Refrigerating 2.8 KW / R404A
Boiling Tank Circular flow	3 GMP @ 5 μ	5 GMP @ 5 μ	5 GMP @ 5 μ
Rinse Tank Circular flow	2 GMP @ 5 μ	2 GMP @ 5 μ	5 GMP @ 5 μ
Temp Control	Digital Display in PLC		
Liquid Level Control	High/middle/low/ultra-low		
Chemical Replenish	Automatically		
Control Mode	PLC +7" Touch screen	PLC +10" Touch screen	PLC +10" Touch screen
Tank Material	SS 316L & 2mm mirror board		
Basket Handling	Dual servo system		
Power Supply	380VAC 3P+N+PE, 50 Hz		
Weight	600Kg	800Kg	1200Kg

*Intevtec Topklean EL20A & 3M Novec 71 IPA are recommended for co-solvent cleaning