

## Proven Industrial Ultrasonic Applications

- Leading edge ultrasonic technology
- DUAL frequency technology
- Maximum cleaning efficiency

Our **USW and SPW ultrasonic cleaning and rinsing tanks** are rugged and reliable units for **industrial component cleaning**. What distinguishes them is their wide **range of uses** and their **continuous high performance**. The units are available in a large variety of versions and combinations. This series are your guarantee of **excellent cleaning results and maximum flexibility**.

### Special Features:

- Housing made entirely from stainless steel
- Cavitation-resistant tanks, made of Duplex stainless steel (1.4462)
- Temperature control with actual and set point indication
- Liquid level control
- Timer for ultrasonic process-time
- Adjustable ultrasonic power
- Rinsing tank with or without flow-rinsing

### Available on Request:

- Customer-specific dimensions
- Lateral transducers
- Oil skimmer and overflow pocket
- Closed-loop filtration
- Vertical basket oscillation
- Electrolytically polished tank
- DI water treatment
- Component baskets made to measure
- Cleaning media
- Traditional operating elements

## Your Guarantee of Durability

User-friendly design



Continuous ultrasonic power



USW line can be individually combined



# Ultrasonic Cleaning and Rinsing Tanks

## USW and SPW Lines

Swiss Quality



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| Specifications               |         |    | USW Ultrasonic Cleaning Tank                         |         |                          |          |           | SPW Rinsing Tank |      |                          |      |      |
|------------------------------|---------|----|------------------------------------------------------|---------|--------------------------|----------|-----------|------------------|------|--------------------------|------|------|
| Model                        |         |    | H15/300                                              | H40/750 | H60/1000                 | H80/1200 | H100/1200 | H15              | H40  | H60                      | H80  | H100 |
| Tank inner dimensions        | Length  | mm | 340                                                  | 500     | 560                      | 630      | 700       | 340              | 500  | 560                      | 630  | 700  |
|                              | Width   | mm | 240                                                  | 300     | 360                      | 400      | 400       | 240              | 300  | 360                      | 400  | 400  |
|                              | Height  | mm | 240                                                  | 300     | 320                      | 350      | 400       | 240              | 300  | 320                      | 350  | 400  |
| External dimensions          | Length  | mm | 460                                                  | 620     | 680                      | 750      | 820       | 460              | 620  | 680                      | 750  | 820  |
|                              | Width   | mm | 360                                                  | 420     | 480                      | 520      | 520       | 360              | 420  | 480                      | 520  | 520  |
|                              | Height  | mm | 490                                                  | 550     | 570                      | 650      | 650       | 490              | 550  | 570                      | 650  | 650  |
| Basket dimensions            | Length  | mm | 300                                                  | 460     | 520                      | 590      | 660       | 300              | 460  | 520                      | 590  | 660  |
|                              | Width   | mm | 200                                                  | 280     | 340                      | 380      | 380       | 200              | 280  | 340                      | 380  | 380  |
|                              | Height  | mm | 140                                                  | 200     | 220                      | 250      | 300       | 140              | 200  | 220                      | 250  | 300  |
| Capacity                     | Liters  |    | 15                                                   | 40      | 55                       | 75       | 95        | 15               | 40   | 55                       | 75   | 95   |
| Continuous ultrasonic power  | Watts   |    | 300                                                  | 750     | 1000                     | 1200     | 1200      | --               | --   | --                       | --   | --   |
| Ultrasonic power per liter   | Watts/l |    | 20                                                   | 25      | 18.2                     | 16       | 12.7      | --               | --   | --                       | --   | --   |
| Heating power                | Watts   |    | 1300                                                 | 1500    | 2500                     | 3000     | 4000      | 1600             | 2000 | 3000                     | 4500 | 4500 |
| Heat-up time $\Delta T$ 30°C | Hours   |    | 0.5                                                  | 1.16    | 1.05                     | 1.16     | 1.09      | 0.4              | 0.87 | 0.87                     | 0.78 | 0.97 |
| Ultrasonic frequencies       |         |    | SINGLE frequencies: 27 / 30 / 40 / 60 / 80 / 100 kHz |         |                          |          |           | --               |      |                          |      |      |
|                              |         |    | DUAL frequencies: 27 & 80 / 30 & 60 / 40 & 100 kHz   |         |                          |          |           | --               |      |                          |      |      |
| Electrical specs             |         |    | 230 V/50 Hz + N                                      |         | 400 V/50 Hz 3Ph / N / PE |          |           | 230 V/50 Hz + N  |      | 400 V/50 Hz 3Ph / N / PE |      |      |



Standard version:  
Clearly arranged control  
panel



Option:  
Traditional operating  
elements

| Specifications               |         |  | SPW-MU Rinsing Tank with Overflow Pocket |      |                          |      |      | SPW-MUUS Rinsing Tank with Overflow Pocket and Ultrasonics |         |                          |          |           |
|------------------------------|---------|--|------------------------------------------|------|--------------------------|------|------|------------------------------------------------------------|---------|--------------------------|----------|-----------|
| Model                        |         |  | H15                                      | H40  | H60                      | H80  | H100 | H15/300                                                    | H40/750 | H60/1000                 | H80/1200 | H100/1200 |
| Tank dimensions              |         |  | see SPW rinsing tank                     |      |                          |      |      | see SPW rinsing tank                                       |         |                          |          |           |
| Capacity                     | Liters  |  | 15                                       | 40   | 55                       | 75   | 95   | 15                                                         | 40      | 55                       | 75       | 95        |
| Continuous ultrasonic power  | Watts   |  | --                                       | --   | --                       | --   | --   | 300                                                        | 750     | 1000                     | 1200     | 1200      |
| Ultrasonic power per liter   | Watts/l |  | --                                       | --   | --                       | --   | --   | 20                                                         | 25      | 18.2                     | 16       | 12.7      |
| Heating power                | Watts   |  | 2100                                     | 2300 | 4000                     | 6000 | 6000 | 1600                                                       | 1500    | 3000                     | 4000     | 4000      |
| Heat-up time $\Delta T$ 30°C | Hours   |  | in continuous flow                       |      |                          |      |      | in continuous flow                                         |         |                          |          |           |
| Ultrasonic frequencies       |         |  | --                                       |      |                          |      |      | SINGLE frequencies: 27 / 30 / 40 / 60 / 80 / 100 kHz       |         |                          |          |           |
|                              |         |  | --                                       |      |                          |      |      | DUAL frequencies: 27 & 80 / 30 & 60 / 40 & 100 kHz         |         |                          |          |           |
| Electrical specs             |         |  | 230 V/50 Hz + N                          |      | 400 V/50 Hz 3Ph / N / PE |      |      | 230 V/50 Hz + N                                            |         | 400 V/50 Hz 3Ph / N / PE |          |           |

