

# The Solution for Demanding Applications

Mega 86W



**ECOCLEAN**

*technology that inspires*

# Mega 86W

Increased manufacturing productivity and quality requirements drive cleaning applications to meet higher standards. When throughputs are high and fine cleaning is the goal, the Mega 86W multi-stage aqueous immersion system offers unmatched capabilities. Operating costs are reduced

through the Mega 86W's isolated treatment chambers. The design offers optimal bath and solution lifetimes. Flexible processing options and features make the Mega 86W ideal for cleaning mass-produced bulk components and for fine cleaning of injection system parts or medical components.

## Equipment and process

- Multi-stage washing and rinsing process with hot-air drying
- Area-coverage cleaning due to immersion cleaning process
- Parts baskets can be rotated, oscillated, raised and lowered in order to support the cleaning and drying effect
- Automatic parts basket lid placement
- All stainless steel pipework
- Waste water-free operation due to integrated treatment unit AQUACLEAN
- Throughput can be increased with extra rotation frames
- Conveyor unit is driven by maintenance-free servo motors
- Custom programming of process sequences
- Error diagnosis via plain text display on operator control panel
- Closed system housing with large sliding doors for optimum access
- Automatic conveyor

## Optional extras

- Extra rinsing baths
- Filtration units
- Injection flood washing
- Ultrasonic unit
- Vacuum drying
- Deionization system for rinse water treatment
- Settling tank
- Micro filtration for additional bath treatment
- Automatic dosing unit
- Measuring technology for the monitoring of the rinsing bath quality
- Systems for the fresh water conditioning

### Technical data

#### OUTSIDE DIMENSIONS OF THE SYSTEM

|                                      |                   |
|--------------------------------------|-------------------|
| <b>Length</b>                        | 8,200 mm (4 bath) |
| <b>Width</b>                         | 2,700 mm          |
| <b>Width with automatic conveyor</b> | 3,800 mm          |
| <b>Height</b>                        | 3,200 mm          |
| <b>Total weight filled</b>           | 11,000 kg         |

#### BASKET

|  |                        |
|--|------------------------|
| <b>Length max.</b>   | 670 mm                 |
| <b>Width max.</b>  | 480 mm                 |
| <b>Height max.</b>   | 300 mm                 |
| <b>Batch weight max.</b>   | 200 kg                 |
| <b>Throughput depending on work sequence and treatment time required</b> | approx. 8–18 batches/h |

|                       |                 |
|-----------------------|-----------------|
| <b>Connected load</b> | 3 x 400 V/50 Hz |
|-----------------------|-----------------|

#### TOTAL LOAD

|                               |            |
|-------------------------------|------------|
| <b>According to equipment</b> | 104–130 kW |
|-------------------------------|------------|

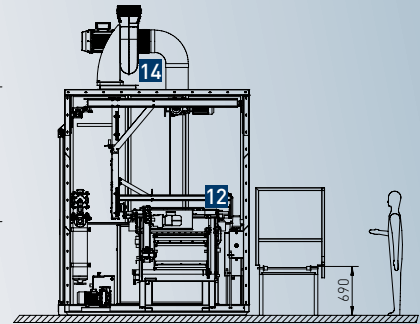
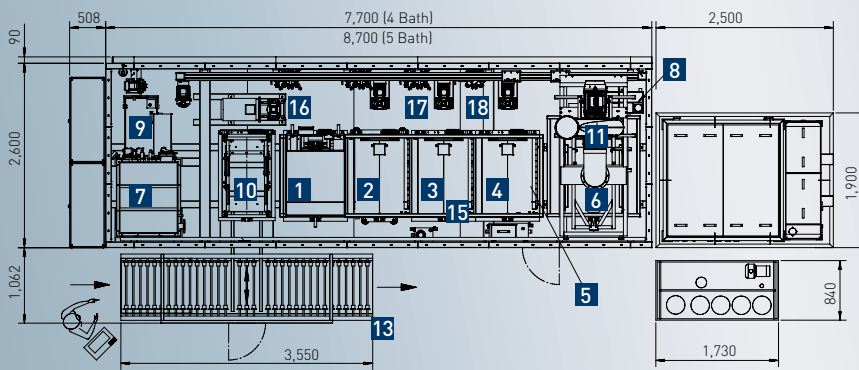
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|----------------------|--------------------|
| <b>Bath capacity</b> | approx. 550 l each |
|----------------------|--------------------|

#### WORKING TEMPERATURE

|                           |          |
|---------------------------|----------|
| <b>Washing, rinsing</b>   | 50–75 °C |
| <b>Drying temperature</b> | 130 °C   |

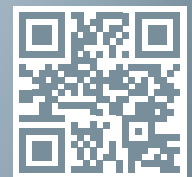


- + Waste water-free during operation
- + Maximum bath life due to continuous treatment
- + Minimum energy input due to heat recovery
- + Low consumption of cleaning media
- + Flexible adaptation to throughput and cleaning quality



- |                                |                                      |                                      |
|--------------------------------|--------------------------------------|--------------------------------------|
| <b>1</b> to <b>4</b> Bath 1-4  | <b>9</b> Oil separator               | <b>14</b> Suction                    |
| <b>5</b> Bath 5 (OPTION)       | <b>10</b> Frame loader               | <b>15</b> Ultrasound (OPTION)        |
| <b>6</b> Circulating air dryer | <b>11</b> Trolley                    | <b>16</b> IFW-unit                   |
| <b>7</b> AQUACLEAN             | <b>12</b> Actuator with rotary frame | <b>17</b> Bag filtration             |
| <b>8</b> Condensate tank       | <b>13</b> Autom. conveyor            | <b>18</b> Candle filtration (OPTION) |

## Our Locations Worldwide



**SBS ECOCLEAN GROUP**