

Universal 81W

The Universal Solution

MADE IN
INDIA



ECOCLEAN

technology that inspires

Universal 81W

The Universal Solution

The Universal 81W cleaning system is a low-cost, highly efficient system which, owing to its modular design, can be used for a very wide range of applications in cleaning parts. Depending on the features installed the Universal 81W is suitable not only for removing oil and emulsion from mass-produced parts but also for the fine cleaning of assembly parts.

All the cleaning stages use an immersion process and aqueous media. Removal of large quantities of swarf from mass-produced parts and particles of dirt with a defined size in fine cleaning can be achieved by selecting the appropriate filtering system and other application-dependent optional extras. Different types of optional equipment make it possible to use the Universal 81W cleaning system in numerous areas of metal processing.

Equipment Features

- Cleaning and drying process in a vacuum tight work chamber
- 2 stage or 3 stage immersion and spray cleaning
- Closed loop filtration with high power injection flood washing
- Bag & candle filtration for best cleaning results
- Integrated, efficient oil separator
- Automatic work chamber door locking
- Waste water free operation possible with AQUACLEAN
- Innovative cross contamination reduction system
- Automatic loading of basket possible
- Rotation and swivel movements of the parts baskets
- All parts in media contact are made of SS 304
- Siemens S7 PLC control
- Advanced Interactive HMI
- Optimum maintenance access

Process

- High power injection flood washing
- Spraying
- Ultrasonic cleaning possible
- Hot air drying
- Intermediate drying possible
- Vacuum drying for 100% parts

Technical data

OUTSIDE DIMENSIONS OF THE SYSTEM

Length (2 Tank, 3 Tank)	3,200 – 4,200 mm
Width	1,800 mm
Height	2,300 mm
Loading height	850 mm

BASKET

Length	670 mm
Width	480 mm
Height max.	300 mm
Batch weight max.	150 kg

Throughput depending on work sequence and treatment time required	approx. 8 – 10 batches/h
--	--------------------------

Connected load	3 x 400 V/50 Hz
-----------------------	-----------------

TOTAL LOAD

According to equipment	46 – 66 kW
-------------------------------	------------

Washing, rinsing	70 – 80 °C
-------------------------	------------

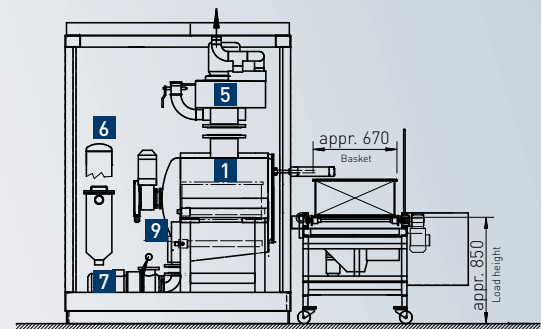
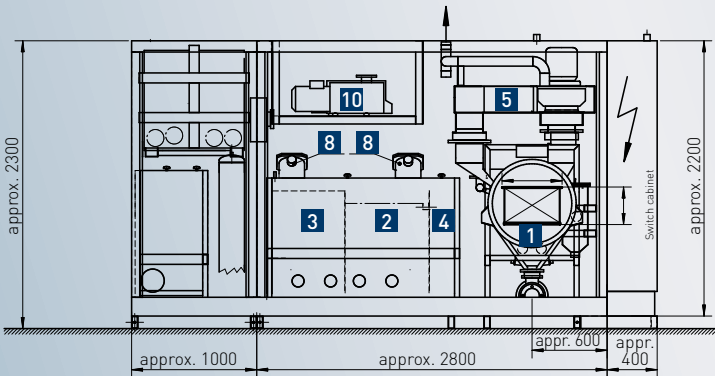
Drying adjustable	Up to 130 °C
--------------------------	--------------

CAPACITY OF STANDARD SYSTEM

With 2 flood tanks	approx. 1,000 l
---------------------------	-----------------

With 3 Flood tanks	approx. 1,500 l
---------------------------	-----------------

- + Best Millipore results
- + Low energy consumption
- + Low water consumption
- + Low running cost
- + Maintenance friendly
- + Local service support
- + Compact footprint
- + High uptime
- + Modular design

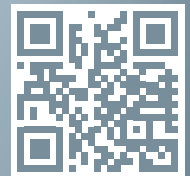


- | | | |
|------------------------|------------------------------------|-----------------------------------|
| 1 Work chamber | 5 Drying unit | 9 Ultrasonic unit (OPTION) |
| 2 Flood tank I | 6 Cartridge filter (OPTION) | 10 Vacuum unit (OPTION) |
| 3 Flood tank II | 7 Discharge pump (OPTION) | |
| 4 Oil separator | 8 Filter | |

Our Locations Worldwide



Ecoclean Machines Pvt. Ltd.
Plot A57/58, H Block, MIDC Pimpri
411018 Pune, India
Phone +91 20 4620 5001
info.india@ecoclean-group.net



SBS ECOCLEAN GROUP