

Aqueous ultrasonic cleaning in closed systems

The **HIGH-QUALITY** solution for aqueous parts cleaning



MULTICLEAN-W

This concept is dedicated to application requiring an aqueous cleaning process with ultrasonic. The layout as a closed loop system with a centralized working chamber gives a proper work environment and serves for maximum energy efficiency. On smallest space can be installed according to the real need a large variety of technologies for cleaning and drying, such responding to highest requirement on cleaning quality.

The MULTICLEAN-W type was designed for users with moderate to middle requirements for production capacity but

requesting high quality and also process repeatability. The system can as well be installed decentralized in manufacturing centers as combined with several linked automated loaded modules for high productivity lines.

The operator is assisted by a multilingual user-friendly color graphic touch panel. Typically for Höckh is the automatic safety locked Cleaning compartment chamber door made of special glass - so the process can be optimally observed and adjusted.

MULTICLEAN-W

In the central cleaning compartment can be combined the following process steps: Spray-cleaning for fast intermediate cleaning or chip removal; immersion with turbojet for geometric complex parts with internal cavities; ultrasonic for particle removal in deep holes and vacuum operations for intermediate parts drain and improved ultrasonic intensity by vacuum degassing.

Parts drying can be done fast and economic using the vacuum or with hot-air for parts with small wall thickness.

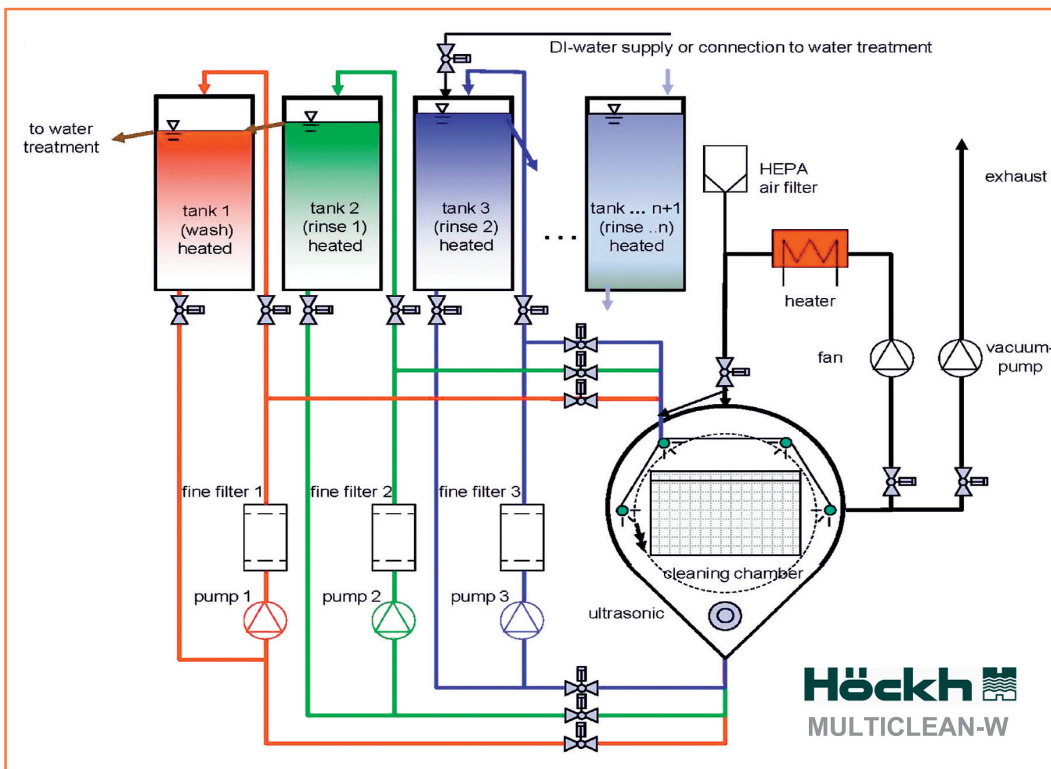
To maintain a continuous quality, the MULTICLEAN-W can be connected with several bath treatment systems:

Oil coalescer, vacuum evaporator or DI water-plants to maintain spot-free drying.

Technical Data (3-circuit-system):

	Multiclean-1-3-W	Multiclean-2-3-W
Load size	530 x 320 x 200 mm (Schäfer II) 600 x 400 x 300 mm (Euro-Box)	670 x 480 x 300 mm (Schäfer I)
Capacity	ca. 4-8 loads/h	ca. 4-8 loads/h
Load weight	max. 80 kg	max. 150 kg
Power consumption	ca. 30 – 50 kW	ca. 40 – 60 kW
Plant size [L x W x D]	3.100 x 2.200 x 2.300 mm	4.400 x 2.300 x 2.700 mm

Process-Scheme :



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