



Advanced Solutions for Infection Control

[UCW] UTENSIL + CONTAINER WASHING SYSTEM



DESIGNED FOR

LAST Technology's Utensil + Container Washers (UCW) are designed for washing and drying utensils, glassware, filling systems parts and IBC containers in pharmaceutical processing facilities.

PROCESS FEATURES

Our systems are suitable for a variety of user customizable programs based on the specific needs of the components to be washed. Possible washing steps include any combination of pre-washing, washing (with/without chemicals), WFI rinsing (once-through or recycled) and final hot air drying with HEPA filtered air. The process controls water T.O.C. levels, conductivity, water pressures, and pH during the various washing cycles. As an optional feature, chemicals may be injected through an accurate and reliable system to improve the cleaning action of the system.

Last Technology systems offer innovative design, energy savings, reduced foot-print dimensions, environmental sustainability, user friendly solutions and easy validation

LAST UCW 11 16



AWS BIO-PHARMA TECHNOLOGIES

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TECHNICAL DATA FOR THE UTENSIL + CONTAINER WASHERS DOORS OF HINGE OR SLIDING TYPE

MODEL	CHAMBER DIMENSIONS			CAPACITY [LITERS / CU. FT]	OVERALL DIMENSIONS		
	WIDTH	HEIGHT	LENGTH		WIDTH	HEIGHT	LENGTH
UCW 250	600 / 23.5	600 / 23.5	680 / 26.7	250 / 9	2000 / 79	2350 / 92.5	850 / 33.5
UCW 500	600 / 23.5	600 / 23.5	1400 / 55	500 / 17.5	2000 / 79	2350 / 92.5	1570 / 62
UCW 1000	1000 / 39.5	1000 / 39.5	1000 / 39.5	1000 / 35.5	2400 / 94.5	2750 / 108	1170 / 46
UCW 1500	1000 / 39.5	1000 / 39.5	1500 / 59	1500 / 53	2400 / 94.5	2750 / 108	1670 / 66
UCW 3500	1250 / 49	1900 / 75	1500 / 59	3500 / 123.5	2650 / 104	3650 / 144	1670 / 66

cGMP PROCESS EQUIPMENT CONSTRUCTION

- *Single-wall chambers made of 316L or 316Ti stainless steel*
- *All piping and air ducts are made of 316L stainless steel with sanitary fittings (tri-clamp ferrules and hygienic flanges)*
- *No dead legs on piping system*
- *3 degree piping sloping to the floor drain*
- *Manual hinge or automatic vertical/side sliding*
- *Chamber doors (door frame made of 316L or 316Ti stainless steel with HST tempered glass window)*
- *All internal corners of the chamber are rounded to ensure excellent chamber cleaning and draining*
- *Ergonomic product loading (either manual or automatic)*
- *Components and instruments made of 316L/316Ti stainless steel and FDA approved*
- *Chamber, doors, piping, components and instruments are properly insulated*
- *Bio-seal frame made of 304 or 316L/316Ti S/Sl*
- *Newly designed cart connection with self-docking and disconnecting system*
- *Innovative centrally located sump made of 316L or 316Ti stainless steel*
- *Product contact surfaces mechanically polished to 0.35 micron (15 micro inches)*
- *Robust chamber-door with silicone gasket*

SUPERVISION, TRACEABILITY AND CONTROL SYSTEM

System automation by a Programmable Logic Controller (PLC) which guarantees a high level repeatability and reliability. The Human System Interface (HMI) utilizes a touch screen Operating Panel (OP). The brands commonly used for hardware and software are Siemens, Allen Bradley and Mitsubishi with P&ID based control manages all system parameters, recipes, settings, sequence of operations, and data storage.

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