

Machine parts and glassware washer



Washing, disinfecting, and drying of glassware, pipettes, machine parts, tanks, glass bottles, and machine press machine tooling

- Washing chamber entirely made in stainless steel AISI 316L, corrosion proof.
- Chamber made of rectangular cross section.
- Self cleaning chamber with rounded edges.
- Machine body equipped with the connections required for the validation tests
- All the connection of the body are of sanitary type.
- Machine body supported by a frame designed for a suitable load distribution on the floor.
- Chamber inside surface, tubing, baskets and all parts in contact with the product polished to a degree of roughness 0.5 micron (20 micro-inches).
- Unloading door equipped with system of interfacing with clean environments (Bio-seal frame).

Washing and disinfection with warm water up

to 95°C.

Drying program with range from 80 °C to 120 °C.

Cycle can be validated and executed in full compliance with cGMP, cGAMP, FDA and 21 CFR Part 11.

Machine with single door or pass-through type (from non sterile side to sterile side).



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Machine parts and glassware washer Series ML



- Single-walled square or rectangular chamber in 316L or 316Ti stainless steel.
- Innovative central pumping/draining sump in 316L or 316Ti stainless steel.
- Piping and air ducts made entirely from 316L stainless steel with sanitary fittings

(tri-clamp ferrules and hygienic flanges).

- 3D (dead leg)-compliant along the entire piping system and a minimum inclination of 3° of the same towards the floor drain.
- Any surfaces that come into contact with the product are mechanically polished to a roughness level of less than 0.35 micron.
- Rounded internal chamber corners to ensure a perfect clean.
- Manual folding chamber doors or vertical/horizontal automatic sliding doors (316L or 316Ti stainless steel door with a HST tempered glass inspection window).
- Chamber door oil seal made of silicone rubber.
- 316L/316Ti stainless steel components and tools, in addition to elastomers manufactured in compliance with FDA 21 CFR, Part 177.