AF2 Compact Line
Technological Features

Stainless steel design
The machine is made from AISI 304 stainless steel (EN 1.4301), guaranteeing shock-resistance and durability over time. Cleaning operations are made easier thanks to the Scotch Brite finish on the exterior surfaces.

E.H.M.I. (Easy Human-Machine Interface)
Control keyboard with graphic display that shows all the phases of the chosen program, the minimum temperature present in the chamber throughout the cycle, the different phases of the cycle, alarm messages with maintenance instructions, value "A_0", graphic drawings to explain the work process and indication of the remaining time at the end of the cycle.

Touch control panel with colour graphic display
The touch control panel consists of backlit keys and a 3.5” LCD flat colour display for quick and intuitive navigation.

E.N.C. (Electronic Nozzles Control)
Electronically controlled washing jets with independent solenoid valves, to improve washing performance depending on the type of container to be washed.

Micro-controller
The machine is equipped with a micro-controller that continuously monitors operation.

It is equipped with an internal flash memory that allows the machine to store all the information related to: cycle parameters, programs used, alarms and log history up to 5,000 cycles. An internal supervision timer controls the micro-controller and locks the device in case of malfunction.

Alarm-check system
This system helps the operator to understand why an alarm occurred before consulting the user manual. A text with the number, an alarm image and text explaining the possible causes appears on the display.

Door locking safety system
Machines are equipped with an automatic locking system that guarantees the locking of the door safely. For the safety of the operators, the machine does not allow the door to be unlocked during the washing cycle or in conditions where there are high temperatures. An extra sensor ensures that even in the event of a machine malfunction, the water pump shuts off when the door is unlocked.

S.D.S. (Self Disinfection System)
Function that allows the machine to automatically run a disinfection program, 24 hours after the last cycle. This system prevents the proliferation of bacteria inside the machine.

E.T.S. (Empty Total System)
System that prevents the proliferation of bacterial growth by reducing the risk of contamination of the machine, according to EN ISO 15883-1, 5.3.1 & 5.5.1. At the end of each cycle, the water is automatically discharged from the pump, the storage tank and the pipes.

D.C.S. (Drain Control System)
Anti-flooding system that prevents the machine from being used in the event of a clogged siphon.

Legend:
Applications only available on request.

USB port

USB port to connect the machine to a PC for programming and downloading statistics on executed cycles.

Chemical storage compartment

Access to the chemical storage compartment located in the lower panel is prevented to unauthorised persons by means of a door with a lock.

Chemical level sensor

The device is equipped with a sensor located in a chemical suction probe, which warns the user if the liquid is about to run out via a warning that appears on the LCD display.

Steam generator

In the AF2 models featuring a steam generator, the water in the storage tank is fed into a small boiler during each washing cycle, where it is heated thanks to a coil; the steam generated is fed into the chamber during the disinfection phase. The device software automatically sets the disinfection temperature and duration. The steam generator is equipped with an internal probe to control the water level and a protective thermostat.

Safety thermostat

The AF2 models with a steam generator feature a safety thermostat that interrupts the power supply to the steam generator's resistors when the temperature of the heating elements exceeds a certain limit, creating a risk of damage to the resistors themselves.

Descaler dosing pump

The AF2 models with a steam generator feature a dosing pump which automatically adds descaler during the basin rinse phase preceding disinfection, and during the rinse phase in accordance with the DWC system.

Detergent dosing pump

On request, the machine can be equipped with a dosing pump which automatically adds a detergent during the hot-water washing stage.

HDS© (High Disinfection System)

On request, the machine can be equipped with an HDS application. This is a special ©AT-OS programme with a system for directly spraying detergent through a dosing pump, thereby eliminating micro-organisms, in particular *Clostridium Difficile* spores, in compliance with the requirements of EN 15883-1/3.

Test approved by the University of Bonn (Germany).

Chemical product quantity monitoring

The chemical dosage pumps are controlled by a flowmeter. If the flowmeter does not detect the flow of a set quantity of liquid, an alarm appears on the display after a few seconds to warn the operator that no liquid is flowing into the washing chamber.

D.W.C. - Disinfected Water Cooling

The models with a steam generator feature an automated system for the prompt disinfection of the water used in the final rinse, to lower the temperature of the washing chamber and ensure the absence of microbial contaminants in accordance with EN ISO 15883-1 p. 5.3.5.

Pedal door opening

Operators can use the pedal at the bottom of the machine to open and close the door on models with an automatic door (excluding the wall-hung versions).

Hands-free start-up

The automatic models with steel panels can be equipped with elbow-push buttons. The user can start the machine without removing their gloves, by pressing the buttons with their elbow.

**not available for the AF2.90 model*

Optical sensor for automatic door opening

All automatic models are equipped with an optical sensor located in the control panel, which allows the door to be opened and shut without touching the surfaces of the machine.

N.T.T. No-Touch Technology

The automatic versions of the AF2.50 and AF2.60 models are equipped with a No-Touch Technology system. By passing a hand in front of the optical sensors at a distance, the operator starts the washing cycle. Eliminates the risk of cross-infection.

Multiwasher Application

On request, the machine can be equipped with an application to use the multi-washer basket. This program is specific for multi-purpose support. It consists of a basket with two rotating arms for the decontamination of generic items. The multiwasher is suitable for all types of accessories or containers that do not need to be reprocessed in the sterilisation department.

**not available for the X versions*

D.V.S. (Disinfection Validation System)

On request, the machine can be equipped with 3 PT1000 temperature probes at different points in the washing chamber, to ensure accurate monitoring of disinfection.

A.C.S. (Air Cooling System)

On request, the machine can be equipped with a patented system for cooling the tank and drying the containers, with the use of air at room temperature and a HEPA H14 filter.

The application involves the insertion of a condenser that atomises the steam during the drying phase, preventing the AEROSOL effect for the operator and thermodynamic contamination of the room.

AT-OS AF2 APP with Bluetooth app

On request, the machine can be equipped with wireless connection via Bluetooth technology. This allows a connection between the AT-OS machines and an Android device. The easy-to-use application, for tablets and Android smartphones, simplifies and speeds up monitoring and programming of machines with online updates of improvements.

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