

# *Lava 50 and Lava 50 DRS Washers Disinfector*

- Designed and constructed in compliance with the European Directives and Norms
- Complete disinfection of instruments and utensils
- Easy to install and simple to use
- Made entirely of Stainless Steel
- Microprocessor controlled
- Hot air drying (DRS only)



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Sterilization & Infection Control Products

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# Lava 50

An efficient aid for the cleaning and the thermal disinfection of all Medical, Dental and Laboratory instruments. A washer of a modern concept, designed and constructed in compliance with the guidelines indicated in the new European Norm concerning safety and hygiene. The washer can be placed on any work surface and is simple to install, the built-in detergent compartment and dispenser are standard features. This model has three different wash programs including thermal disinfection at 93°C. The various stages of the cycle are controlled by a microprocessor that guarantees the highest level of hygiene. Made entirely of stainless steel AISI316, the Lava 50 model has a modern wash chamber fitted with a highly efficient self-cleaning system.

## Functionality

A multi-functional aid capable of holding all the receptacles commonly used in dental and medical clinics.

## Safety features

The numerous safety features include: door lock for the entire duration of the cycle, door opening possible only if disinfection is complete, disinfection check, acoustic alarm to indicate faults, chemical control etc.

## Flexible programming

The display shows the type of program, temperature and faults at any given moment. The various programming levels can be accessed, using the keypad, to adapt the machine functions to your specific requirements.

## Computerized management

A latest generation microprocessor controls the machine's electronics. The microprocessor is powerful and reliable and offers numerous advantages such as easy programming. The self-diagnosis function gives statistics concerning the functioning and use of the machine as well as a record of historical events.

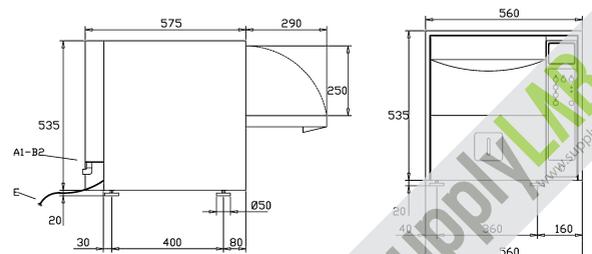
# Lava 50 DRS

The Lava 50 DRS is a compact, simple to install, easy to use, cost effective solution in the ever growing need for decontamination control. It is ideal for use in hospitals, laboratories, surgeries and clinics. With its excellent disinfection and drying capabilities it prepares instruments for sterilization as part of the total decontamination process. The Lava 50 DRS is designed and constructed to comply with the latest UK and European norms on decontamination.

The Lava 50 DRS includes all the features of the Lava 50 as well as additional features:

- Hot air drying system with filter to DOP 98% (DOP 99.9% optional)
- Multi-functional washing features with the ability to customize to specific requirements
- Choice of various internal trays/ baskets to suit individual processes
- Verification and validation of temperature by means of two independent probes
- Data recording and archiving to computer storage or paper printing (optional)

## LAVA50 DRS



LAVA 50



LAVA 50 DRS

## OPTIONAL ACCESSORIES LAVA 50 AND LAVA 50 DRS:

- C 03** Vertical Instrument basket
- C 04** Tray basket 8 positions
- C 05** Standard Basket Lava50
- C 06** Basket Lava50 DRS2
- C 12** Insert for pipes Lava 50
- C 13** Special basket Lava 50 with pipe connection
- C 16** 18 places baby bottle basket
- C 17** 18 places dummy basket
- C 28** Basket for burs / Finishers
- C 63** Mesh basket 120x120x120mm H.
- C 66** Mesh basket DIN 1/2
- C 69** Mesh basket 1/4 130mm H with cover
- C 71** Mesh basket 220x150x50mm H.
- C 72** Mesh basket 400x120x120mm H.
- C 80** Basket for dental instruments (Lava 50)
- C 83** Injection trolley for glasses 18 places (Lava 50 DRS)
- C 84** Basket for dental instruments (Lava 50 DRS)
- C 90** 3 positions insert for small instruments delivery cassettes  
280x200x40mm H.
- C 91** 4 positions insert for small instruments delivery cassettes  
205x120x40mm H.

## HOT AIR DRYING

The new Lava 50 DRS washer disinfecter incorporates an efficient hot air drying system which is equipped with a filter DOP 98% (filter DOP 99,999% optional). This facilitates the total elimination of remaining water both inside and outside the instruments/glassware, thus allowing their introduction directly into the autoclave for sterilization.

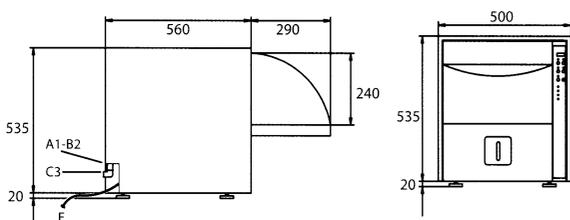
## DENTAL AND MEDICAL INSTRUMENTS

Treatment of turbines, straight and angular hand pieces can be made with washing program number 1, where an additive is introduced during the final cycle phase to assist water elimination for hollow instruments. The following hot air drying phase both inside and outside guarantees the total elimination of residual water. Micromotors are unsuitable for this machine and process.

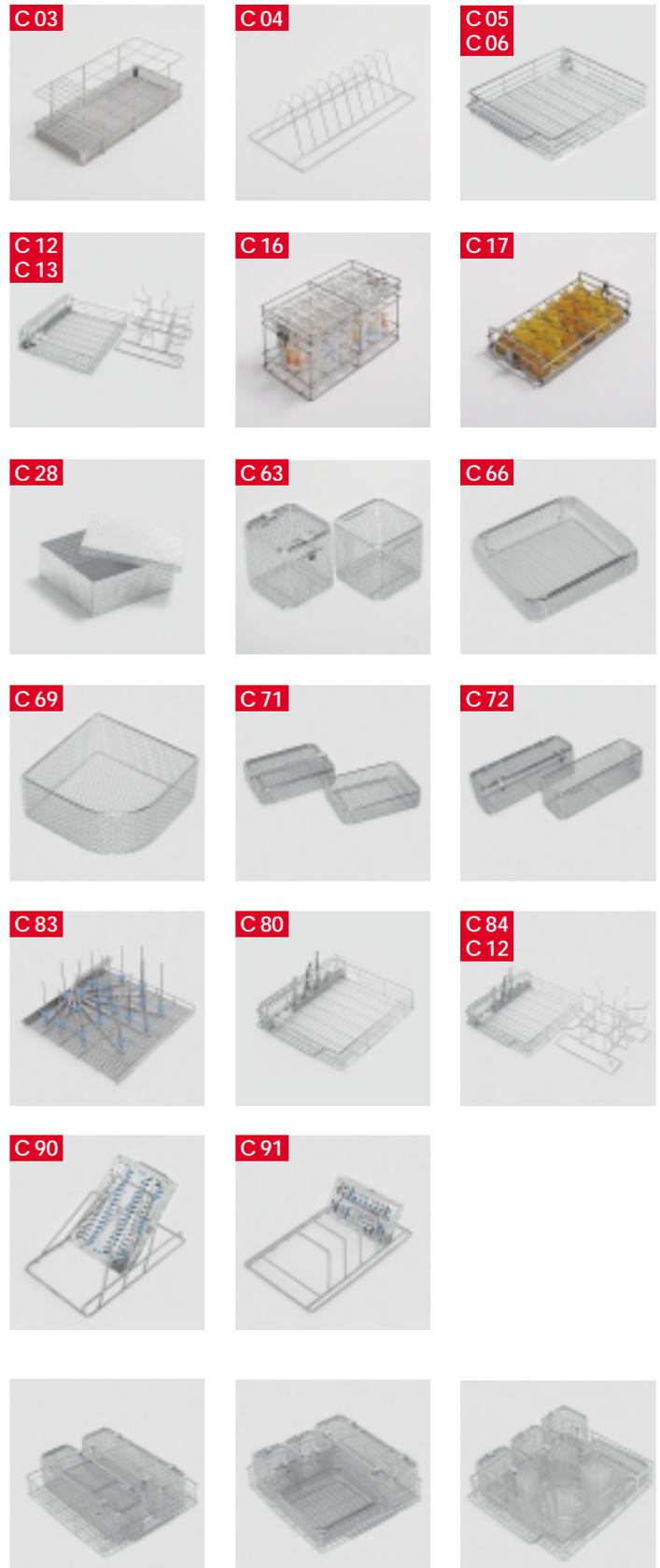
## STANDARDS

Both Lava 50 and Lava 50DRS are classified CE medical devices (MDD 93/ 42/ CE) and complies with prEN15833. It also has a WRAS water approval.

## LAVA 50



## ACCESSORIES LAVA



Example baskets composition.



Accessories for hand pieces, included in the C 84 and 80.

## TECHNICAL SPECIFICATIONS

| DIMENSIONS   | LAVA 50 | LAVA 50 DRS |
|--------------|---------|-------------|
| Width        | 500 mm. | 560 mm.     |
| Depth        | 560 mm. | 575 mm.     |
| Height       | 535 mm. | 535 mm.     |
| Net weight   | 40 Kg.  | 43 Kg.      |
| Gross weight | 43 Kg.  | 46 Kg.      |

| CONNECTIONS                             | LAVA 50             | LAVA 50 DRS         |
|---|---------------------|---------------------|
| Drain pipe                              | Diam. 25 mm.        | Diam. 25 mm.        |
| Electrical connection                   | 230V./50Hz.         | 230V./50Hz.         |
| Total power                             | 2950 W.             | 2950 W.             |
| Washing pump power                      | 150 W.              | 150 W.              |
| Hydraulic connection<br>cold water      | 3/4" GAS            | 3/4" GAS            |
| Pressure min./max.                      | 1.0 - 5.0 bar       | 1.0 - 5.0 bar       |
| Flow rate                               | 24 lt/min. at 2 bar | 24 lt/min. at 2 bar |
| Temperature min./max.                   | 10° - 15°C.         | 10° - 15°C.         |
| Noise                                   | 58 dBA              | 52 dBA              |
| Permitted room<br>temperature min./max. | +5°C./ +40°C.       | +5°C./ +40°C.       |

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LTR231-0052-LAV/EN-V.2/09.05