



BARRIER WASHER



D2W SERIES
18-23-30-55 Kg

 **IMESA**



D2W SERIES

**HYGIENE
SAFETY**

REMOTE ASSISTANCE



The IMESA barrier washer D2W series, completely satisfies hospitals, retirement homes, nursery schools, clinics, pharmaceutical and food industries needs.

The barrier washer D2W grant maximum safety and zero contamination risks. It is equipped with two doors, one on the loading side, the other for the unloading at the other side of the wall. It allows the operator to load the dirty linen in the laundry sorting room and unload them in a clean environment, being the two areas separated by a wall.

The *clean side* door is programmed to remain locked until the *dirty-side* door is closed and until the completion of at least one washing cycle. The *dirty-side* door is programmed to stay locked until the *clean-side* door is closed once the unloading of linen is completed.

Maintenance, detergent loading and program selection are operated from the dirty side in order to avoid any contamination and keep an high level of hygiene.

The D2W line is developed and produced in accordance with the EN14065 regulation, which requires a managing system that offers high microbiological quality level based on the textile use. It evaluates the risk analysis and bio contamination control systems put in place (RABC).

MAXIMUM FUNCTIONALITY

Maximum Hygiene: two opposite doors, one to load the dirty linens and the other to unload the clean ones.

Double display: programming operations on the dirty side, washing program progress on the clean side.

Air-Stop Barrier: to divide dirty from clean room (optional)

Automatic drum positioning: to facilitate loading and unloading operations.

Sliding Pneumatic doors: to allow an ergonomic opening.

Easy and ergonomic closure of the drum.

G-Factor 350-400



D2W 18
D2W 23

Available heating systems :

The D2W series is available with electric, direct and indirect steam and electric + direct steam heating systems.



Dirty Side

Clean Side

D2W 30
D2W 55

STANDARD CHARACTERISTICS:

- Two big opposite doors to separate dirty linen load from clean linen unload
- Electronic control of the door to avoid any type of contamination
- One display on the clean side to trace the washing program progress, the remaining time and the end of program even from the aseptic room
- Automatic drum positioning
- Maximum ergonomics in the linen loading thanks to the washing machine basement
- Touch Screen Computer IM8 with more than 200 washing programs
- Remote diagnostic and assistance thanks to the GSM connection
- External panels in Stainless Steel AISI 304
- USB port on the "Dirty Side" of the washing machine
- Hot and Cold water connection
- Emergency button to stop the washing cycle

UPON DEMAND:

- Electronic card to allow the connection up to 8 peristaltic pumps, programmed and controlled via IM8 logic control
- Weighing system with load cells
- pH meter
- Additional water inlet for softened waterR
- Faucet

Traceability of the working program

At the end of the washing program, IM8 shows automatically the cycle information.

Using the USB exit it is possible to download a report containing all these information.

The collected data can be saved to proof the accuracy and the complete execution of the cycle or can be processed for statistical purposes.



EXAMPLE

- Name of the program completed: 001 BED SHEET OF OBSTETRICS DEPARTMENT
- Progressive number of the installation: 000003
- Star Day/Time: 2018/05/05 18:21
- Maximum temperature reached: 91°C
- Maximum temperature duration: 1h12'35"
- Weight of linen loaded: 28 Kg* (only for washers with loading cells)
- Possible advice of cycle interruption

Sliding Doors (30-55Kg)

ergonomic opening
free space



Drum Closure

easy, ergonomic
operated by a hand



Accelerometro



L'accelerometro

consente un maggiore controllo dello sbilanciamento interno alla macchina garantendo la riduzione delle vibrazioni. Di conseguenza si ottengono una minore rumorosità ed una maggiore affidabilità della macchina.

In caso di eccessivo sbilanciamento, l'accelerometro interviene sospendendo il ciclo in corso e consentendo la redistribuzione del carico all'interno del cesto.

Drum

AUTOMATIC DRUM POSITIONING AT THE END OF THE CYCLE

The opening of the loading door at the cleaned side and the opening of the unloading door at the dirty side is guaranteed by the correct automatic drum positioning, controlled by electronic proximity sensors.

Optimal Door Height for the operators

ERGONOMIC LOAD AND UNLOAD DOORS

Big opening doors, positioned at 80cm from the ground to facilitate loading and unloading activities of the linen using the traditional linen trolleys.

Data sheet	u.M.	D2W 18	D2W 23	D2W 30	D2W 55
Drum dimensions	Ø x P mm	700x470	700x560	880x523	977x753
Drum volume	lt	180	215	318	565
High Spin Speed	r.p.m.	947	947	846	802
G Factor		350	350	346	350
Water connection	Ø	2x3/4"	2x3/4"	2x1"	2x1"1/2
Water drain	Ø mm	50	50	80	80
Machine dimensions (WxDxH)	mm	980x967x1570	1070x967x1570	1166x1373x1968	1622x1686x1948
Net weight	Kg	531	545	950	1848
Packaging dimensions (WxDxH)	mm	1150x1100x1690	1150x1000x1690	1350x1373x2100	1658x1700x2120
Gross weight	Kg	558	572	980	1903
Electric machine power	kW	12	15	24	30
Steam/HW machine power	kW	0,7	0,8	0,9	2



CE CERTIFICATION

IMESA's washing machines are manufactured in conformity with the European Community products standards.

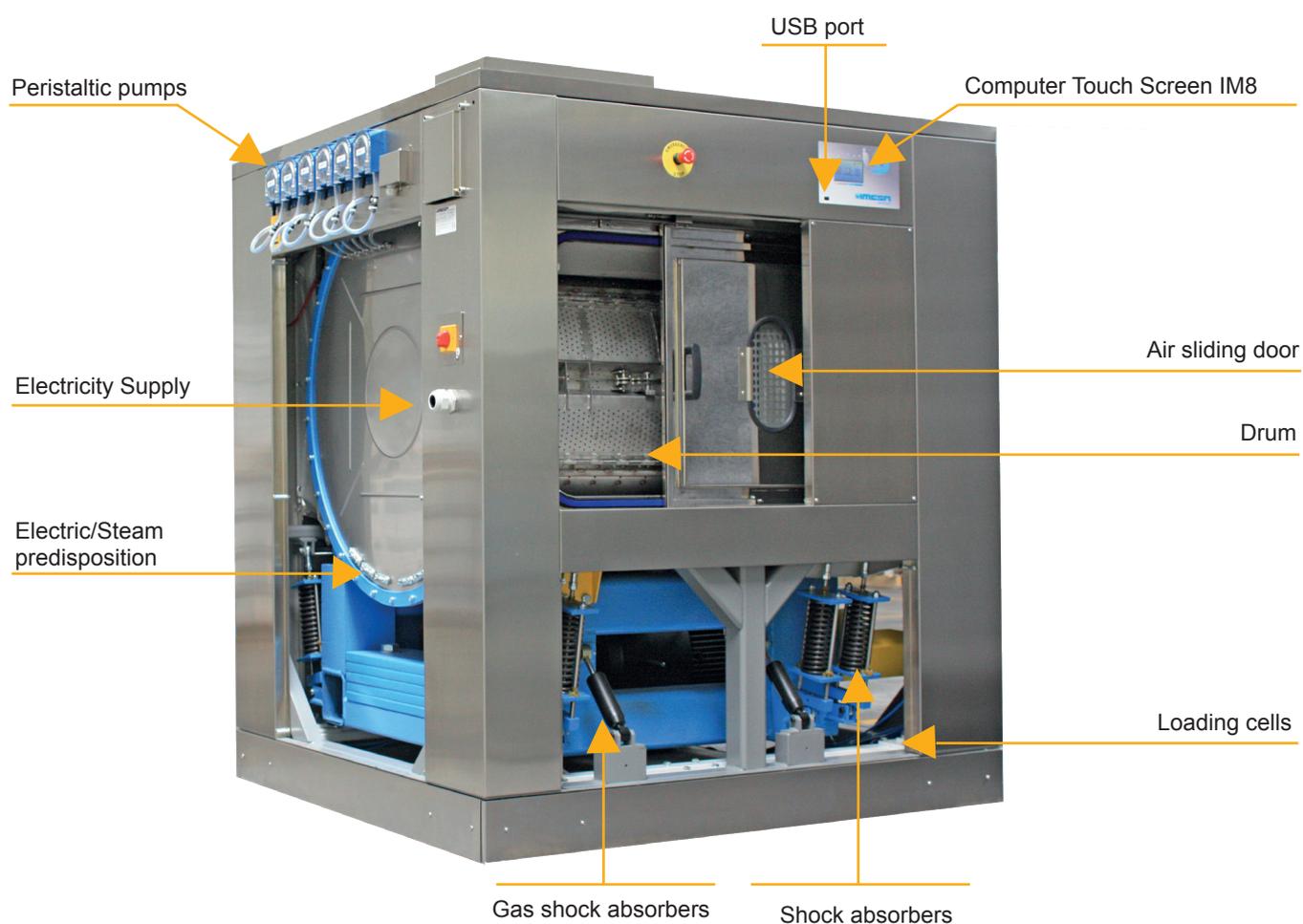


EAC CERTIFICATION

IMESA's washing machines are manufactured in conformity with the custom unions standards.

GSM: Remote connection between machine and Imesa after-sales center

- 24 months guarantee starting from the date of registration of the machine at IMESA's Service Center
- IMESA's Services Center is available 24/7, it communicates with the distributor via SMS to deliver a real-time diagnostic and via e-mail to inform about a breakdown and how to recover it.
- Possibility to monitor the machine and remote printing:
 - Program executed – Machine status – On going programs – Reset meters - Breakdown check ups
- Monitor detergent consumption
- The GSM service is completely free of charge and it is available worldwide
- The prompt intervention and the possibility to provide remote assistance in real time reduce maintenance costs and minimize productivity losses



MAXIMUM SAVINGS

Balanced water loading

The computer selects and optimizes the hot and cold water level based on the pre-set temperature and programmed water levels.

The washing machine is equipped with a double connection that enables to load the drum alternating hot and cold water thus **reducing the heating phase and consumptions.**

Linen Weighing system (Optional)

The linen weighing system is granted by **loading cells** which detect with precision the weight of the linen loaded into the washing machine. The weight is measured while the door is opened before the washing cycle starts and it is shown on the display. This system allows the operator to correct the linen load before the program starts.

Thanks to the IM8, water level and detergent consumption are measured according not only to the weight of the linen but also to the type of washing program selected thus avoiding water and chemicals wastefulness.

Touch our world

IM8

TECHNOLOGY FUNCTIONALITY

SIMPLY TOUCH



AN INFINITE NUMBER OF SOLUTIONS

IM8 enables the operator to create, modify, name and save an infinite number of programs.



EASY PROG

IM8 guides the operator to set up the parameters needed through simple questions.



PREFERRED PROGRAM LIST

Based on the number of utilization of each program, IM8 enables the user to create a list with its favorite programs.



EXPERT PROG

IM8 enables the skilled operator to create its own tailored program.

IM8 controls the heating temperature, the drum and its speed and the detergent consumption.

USB PORT

Using a standard USB key, it is possible to connect the IM8 with the outside world to:

- Upload/download programs and transfer them from a machine to another
- Upload Screensaver and Program identification symbols
- Upload configuration preset to ease the spare parts substitution
- Upload/download files .doc .pdf that cannot be visualized using IM8 display
- Download data about completed washing cycles (maximum 5000)

WIZARD

It is the free computer software that enables to:

- Create, copy and paste also in remote complex programs
- Download programs on different external memory devices
- Share your programs by mail.
- Share your programs on the web. IMESA's set are available on company's website. They can be downloaded using Wizard and uploaded into the machines using the USB entrance.

MICRO SD MEMORY SLOT

IM8 disposes of a 4GB Micro SD memory card, in which all pictures, preset data and programs uploaded into the machine using the USB are saved. The SD is removable and can be used also on other devices.

AUTODIAGNOSTIC AND SIMPLIFIED MAINTENANCE

The washing machines is equipped with a control system that monitors if it works correctly. In case of anomalies, the IM8 displays and alarm signal identifying the problem.

PROGRAM MODIFICATION POSSIBILITIES

During the program execution the display shows the status of the washing cycle, the operator can modify the parameters according to the needs even while the washing machine is working. The IM8 allows to modify the program directly from the touch screen display. Water loading/unloading and heating activities occur during a fixed safety time that can be modified by the technician.

DETERGENT AUTOMATIC DOSAGE

- Actual detergent consumption measurement
- As soon as the detergent tank is empty, a signal is sent directly to the company that provides the chemicals in order to deliver a prompt refurbishment
- Remote programming of IM8 computer is possible also with Wizard Software
- Possibility to modify programs at any time
- The software does not interfere with the machine software.

The automatic detergent dosage group assembled on the machine is programmed by the second.

Its action is integrated in the washing programs through a predefined pathway established by the chemicals company or by the user itself and can be modified at any time.

The program activities using the Wizard software and the following modifications do not imply extra costs.



Only IMESA offers a **24 MONTHS FULL GUARANTEE.**

a life by your side



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SECTORS OF APPLICATION
IMESA'S RANGE OF PRODUCTS

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