



**BARRIER WASHER**  
**D2W 18 - 55 KG SERIES**

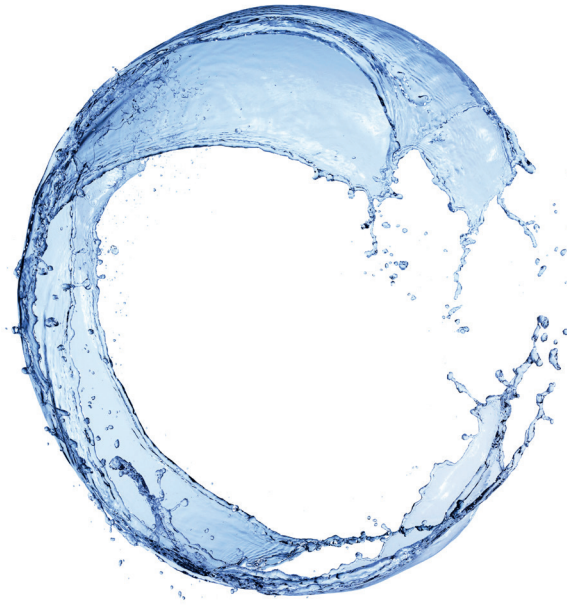


# D2W SERIES

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.



**Clean Side**



**Dirty 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 programm 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.

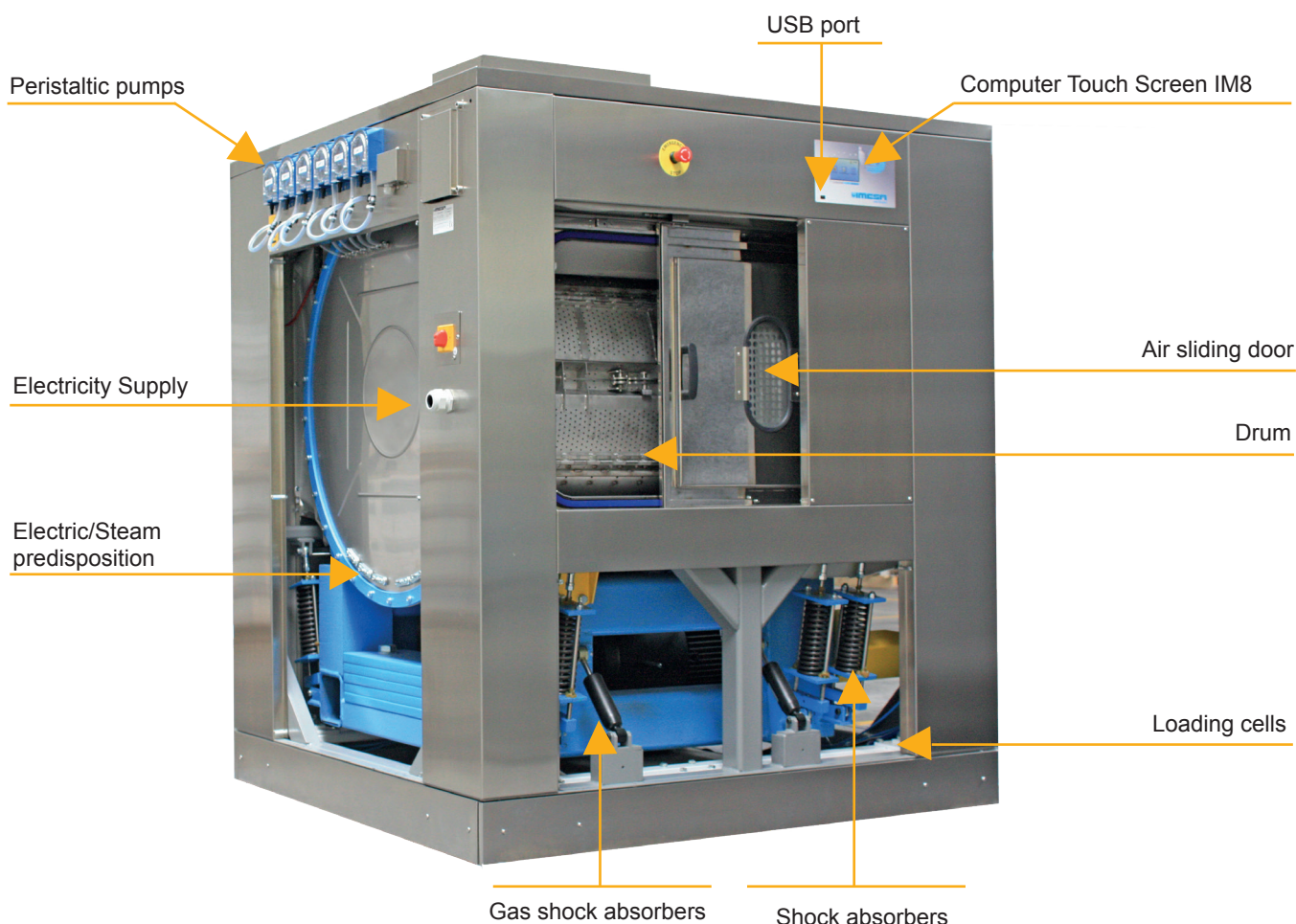


#### EAC CERTIFICATION

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.

# IM11

## IMESA TECHNOLOGY SUPPORTING THE CUSTOMER

The new IM11 touch screen computer is **REVOLUTIONARY**.

An innovative technological solution with an unlimited series of economic and operating benefits, conceived to meet the needs of multiple users.

**IM11** communicates via **WI-FI** and allows you to send complex information without any space limitation, thanks to the cloud management.

WHEREVER YOU ARE, **IM11** ALLOWS YOU TO MANAGE YOUR MACHINES IN AN EFFICIENT WAY.



THE **MAN-MACHINE** INTERACTION IS BECOMING EVEN MORE TIGHT.

The IM11 data management platform is the real **NEWS!**

Designed by ASAC expert, an IMESA sister company, the platform represents the basis for generating and transmitting data that every customer needs.

### **ADVANTAGES** FOR DEALERS AND DISTRIBUTORS RELATED TO IM11 AND **SMART MANAGEMENT** OF DATA

- Management and planning of on-site maintenance and repairing operations;
- Management of the detergent distribution and purchase;
- Remote modification of washing programs;
- Efficiency, functionality and consumption monitoring;
- Audio-guide integration for Self-Service machines (optional);

### **BENEFITS** FOR FINAL USERS COMING FROM THE USE OF IM11

- Less time for on-site intervention;
- Preventive maintenance planning;
- Real time updates and changes on washing programs;
- Management and decrease in energy/water consumption thanks to customizable programs.

IM11 is the **TECHNOLOGICAL SOLUTION** that simplifies your business, starting from the management of the washing to the monitoring of the machine operation up to the planning of interventions, guaranteeing timeliness and effectiveness in resolving any complex situation.



**#CARINGABOUTYOU**

## 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.**



[www.imesa.it](http://www.imesa.it)