grandimpianti®
Intelligent Laundry Equipment

Heavy-duty washing machines: the expected result, always!

Washing machines GWM - GWN Series



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Easy and efficient washing machines



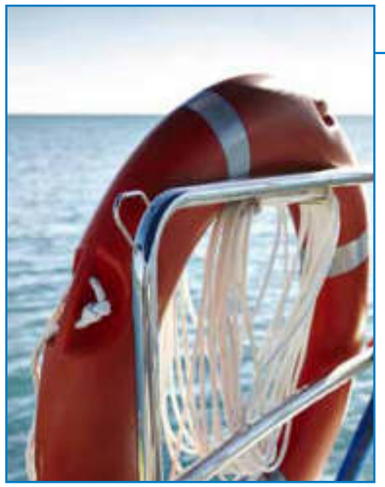
The power of simplicity

GWM and GWN are simple and sturdy basic equipment with low upkeep and excellent performances. With an entry level washing machine you will find the efficiency, the quality and the reliability of higher spin speed washing machines.

Optional feature is included

The exclusive DWS patent is a standard in these washing machines. This weighing system automatically and independently weighs the laundry and calculates the exact amount of water, detergent and cycle length with an accuracy that matches perfectly with the performance of this line.





Excellent on board

The clamps anchor the machines to the floor and ensure their stability and efficiency in any circumstance, so these heavy-duty washing machines are the perfect solution on board of small and medium size boats, ferries and cargo ships.

Perfect for laundromats

A coin-operated laundry requires versatile, reliable and easy to use washing machines, capable of ensure excellent results even with different type and quantity of linen. These machines always reach the end of the cycle no matter what the situation is.





Traditional clients are pleased

The traditional laundry, which needs to renew part of its equipment, finds the ideal solution selecting these washing machines. Excellent performances and no need to change the working environment or the internal operating process.

We look at new markets

These machines are perfect for those sites, working camps or mines, that desire to provide a higher level cleaning and hygiene service to their clients, with the necessity to adopt technical solutions that don't required high grade skills.



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Speechless!

G4-Wiz® manages the entire process without saying a word

G4-Wiz® allows you to easily configure all the washing steps directly from the keyboard on the machine, so easy and intuitive. Immediate and intuitive icons and functions allow you to work comfortably, even in a hurry.

Effective and essential

G4-Wiz®: sensitive, resistant

The interface of G4-Wiz® is as essential as it is effective. The right balance of simplicity and efficiency, thanks to the patent DWS and integrated security actions.

Long-lasting components

G4-Wiz® reduces component wear

G4-Wiz® automatically checks the machine's efficiency. It balances the washing machine spin cycle in real time. In this way, G4-Wiz® extends the life of the components. It records the interactions between the user and the machine.

I see and I foresee

G4-Wiz® facilitates maintenance

G4-Wiz® monitors the operation of the machine and foresees the time for maintenance. It allows you to schedule maintenance and alerts the user only when it is actually necessary. Savings in time and money.

- **For Grandimpianti, washing and spinning are dynamic processes managed step-by-step.**
- **With an intelligent management of resources, many benefits can be reached: time can be saved, consumption can be reduced, the life of certain components can even be extended.**
- **Grandimpianti chose two key elements to optimise the washing machines operation: the "do-it-all" G4-Wiz® software and the patented DWS weighing system.**
- **And when you touch the fabric, you come into contact with Grandimpianti technology.**

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G4-Wiz®, the essentiality of control

The substance under the essentiality.

The G4-Wiz® software performs many different functions. It manages the motor, optimises quantities, balances the load in the drum, foresees the time for maintenance, manages the payment system and stores data.
And to interact with G4-Wiz®, all you need is your finger.

INVERTER MOTOR TECHNOLOGY

Transmission through an inverter controlled by G4-Wiz® reduces wear and maintenance costs.

DYNAMIC WEIGHT SYSTEM

The automatic and patented dynamic weight system reduces waste, adjusting quantities and consumption to the actual load. With the help of G4-Wiz®.

ELECTRONIC BALANCE DETECTOR

G4-Wiz® automatically manages the distribution of the load in the drum, the speed and phases of acceleration and deceleration to optimise the wash and spin.

FAULT SAVING DATA

G4-Wiz® records all operational data for easy diagnosis and repair operations.

AUTOMATIC MAINTENANCE CALL

The G4-Wiz® software foresees the time for maintenance and requests user intervention in advance. Thus, maintenance can be planned in advance.

PAYMENT SYSTEM MANAGEMENT

In self-service versions, the coin acceptor is integrated in the machine and is managed by G4-Wiz® to make payment transactions intuitive.

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A spin never unbalanced

Precision weighing. Standard!

In the GWM and GWN washing machine, a patented weighing is available as standard. The DWS system weighs the laundry and the data is then independently processed by G4-Wiz® which calculates the exact amount of resources needed. In this way, the machine adapts to every variation in the load. The management of consumption is no longer limited to a few preset options, only the resources strictly necessary are used for the laundry loaded.



Italian Design

Beauty and functionality. Aesthetics and ease of use. Design and ergonomics. Grandimpianti machines are made with meticulous attention to detail, even in terms of their appearance. The sizes of the doors, the position of the soap dispenser, the tempered glass, the rounded edges, and the size of the machines have all been designed for convenient and efficient use of the washing machine, optimising its overall dimensions. A design based on ergonomic criteria.



Long life-span

Since these are heavy-duty washing machines, they're made by static, solid and mono-block framework not exposed to movements or deterioration. Wear and mechanical stress are brought down thanks to their intermediate speed spin and the consequent decrease of the metal fatigue: they are equipped with an unalterable solid and robust framework. This means longer life-span, limited upkeep and low-noise.



We guarantee the result

Beyond the features listed above, this family of washing machines adds another distinctive trait which increases significantly its quality and makes it the solution that no one wants miss. These machines, thanks to their rigid and solid framework, will always allow to arrive at the end of the cycle. These devices are able to ensure an optimal outcome in every condition of installation and use. The nature or the amount of laundry, the experience and the competence of users or the environmental conditions in which the machines work, don't weight on the performances. The result is guaranteed. Always!

Double!

There are double safety devices in Grandimpianti washing machines. There are redundant alarm circuits. Just like in aeroplanes. In the unlikely event that a protective device fails, its replacement is activated to guarantee safety.



Optimises costs, whatever the load

Saves up to 50% on detergent thanks to the quantity used being automatically adjusted by the patented DWS system.
Saves energy by optimising the amount of water to be heated.
Even greater savings with the adoption of the second optional discharge valve. All of this means less expense and less environmental impact.

Saves time with the ample discharge. Thanks to a 3-inch discharge valve, the machine discharges water quickly and makes you perform almost an additional full cycle for each shift use.

97% machine recyclability. An ecological washing machine even at the end. The machine is made of recyclable material and therefore has low environmental impact even when you decide to change it.

Save on maintenance with anti-limestone heaters and long-lasting seals.
The heaters are made of INCOLOY steel and reduce limestone deposits.
The EPDM material seals ensure long life. This means less maintenance for the washing machine.

Ease of use thanks to the door with its wide opening. Washing machines have a strictly ergonomic design: the large portholes guarantee ease and speed of loading and unloading. Less wasted time and more attention to the user.

Ssss! Only 65dB of acoustic emission. Grandimpianti washing machines have a low noise impact. This means more comfortable use and less impact on the surrounding environment.

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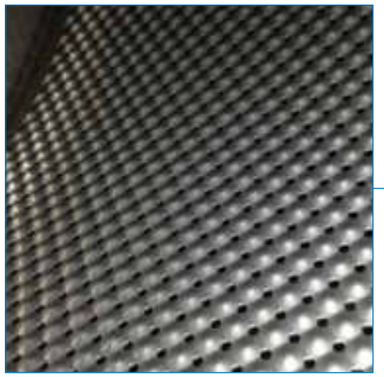


The details count.

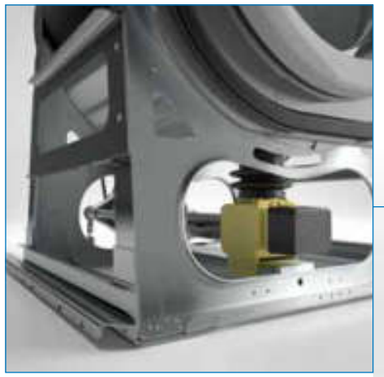
Let's get down to the details. We see the soul of Grandimpianti washing machines. To appreciate technical innovations that make this great product. To better understand the new strategic vision of Grandimpianti that brings together design and ergonomics. A quick tour through the most representative details gives us a quick overview of aesthetic and functional innovations that are now part of laundries.



Innovative Italian design with rounded edges. The display of G4-Wiz® is designed to be used comfortably even with gloves and in harsh environments.



The steel hemispheres ensure a gentle touch on fabrics, even at high spin speeds. The numerous micro-holes of the drum guarantee rapid flow of water.



Rigid frame, solid and sturdy. No one part is moving and this minimizes wear and maintenance requirements. Is guaranteed an excellent quietness, without affecting the cleaning performance that remains consistently high.





Soap dispenser with 4 ergonomically placed compartments



The wide door which opens up to almost 180° facilitates loading/unloading the laundry. The EPDM gaskets ensure a tight seal.



Ergonomic knob. To open just a slight rotation is enough.
The exclusive Grandimpianti lock keeps the door securely closed and locked until the rotation of the drum stops completely.

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Washing machine with an innovative heart

Many ways to be GREEN



The patented DWS dynamic weighing system optimises the consumption of energy, water and detergents based on the actual amount of laundry loaded, reducing waste and environmental impact. The amount of unused water, normally present between the drum and the tub, is reduced thanks to a slight shift of the two components, while the position of the discharge valve, placed immediately below the tub, prevents the deposit of detergents and water.
Thanks to the second optional water discharge channel, instead of being eliminated in the sewer, the water is recovered and reused later.
The water supply with three inputs optimises the consumption of hard water and soft water, improves the dosage of detergents and balances the dosage of cold water and hot water, reducing the use of heating. The mixer with 13 inputs optimises the mixing and dilution of detergents before they come into contact with the fabric.
G4-Wiz® optimises the speed of rotation of the drum and the distribution of the load inside to produce optimum results with minimum mechanical stress, while the particular design of the drum favours effective wash and spin (up to 200G), with low consumption and low strain on fabric.
Resistances and gaskets are made of selected materials that prevent limestone deposit, are long-lasting, reducing maintenance costs. Finally, the new models are 97% recyclable.

Many ways to be ERGONOMIC

The G4-Wiz® software, thanks to the graphical interface facilitates interaction with the machine. The patented DWS system weighs the laundry loaded automatically, without the user having to worry about knowing the actual load. GWM and GWN series washing machines are produced in various sizes to meet different productivity needs.
The porthole is wide and opens up to 180 degrees for easy loading/unloading of the laundry, while the strong hinges provide precise and fluid opening. The position of the dispenser is designed to facilitate manual dosage of detergents. The coin acceptor is integrated aesthetically and functionally in the machine to facilitate self-service payment operations.
The washing machine quietness gives the user additional comfort of use. Finally, the shape and size of the machine allow for better use of the laundry space.

Easy installation.

The washing machines are designed to be installed by a single person. The detergent mixer is designed to manage up to 13 inputs of liquid soap from the rear of the machine, thus facilitating connection operations. The size of the slim and lightweight frame and maintenance only from the front and back, allow you to install multiple washing machines side by side, possibly combining them with dryers. Installation is facilitated by the fact that the components are certified according to international standards. Finally, the machine produces little floor vibration, thus avoiding costs of additional soundproofing and cushioning in the installation phase.

Easy maintenance

The discharge valve and resistances are accessible from the front. The bearings of the drum are separate from the crosspiece and removable as a single component from the rear. All of this makes for faster and easier maintenance. The electric and electronic components are protected



inside with anti-fouling containers as required by international standards. The INCOLOY steel resistances and EPDM rubber gaskets are long-lasting and prevent the formation of limestone. The flat transmission belt reduces maintenance and tensioning procedures. In addition, G4-Wiz® foresees maintenance time based on actual use of the machines, analysing time, number, type and mechanical stress caused by cycles performed, allowing you to plan operations ahead of time.

Safety is not optional

The convenient mushroom emergency button activates an intelligent shut down system. Once pressed, all procedures are handled by G4-Wiz® that makes the machine stop as quickly and safely as possible. This is possible thanks to interaction with an electronic card specially designed and certified for the management of machine safety.



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Tailor-made solutions



The machine has double safety systems and redundant alarm circuits, including the lock. All certified according to the strictest international standards by an accredited laboratory.

Experience at your disposal

The patented DWS weighing system ensures high efficiency with partial loads.
Recent studies show that machines are almost never loaded based on their actual capacity. The DWS system adjusts the dosage and consumption to lower loads. For example, with a 70% load, the machine uses 30% less detergent and the cycle is shortened by 5 minutes due to lower water consumption, with consequent reduction in electricity used. But the quality of washing remains unchanged.

Efficient now and in the future

The control system of the machine can be easily upgraded through the convenient smart card kit available as an optional and connectable to every model equipped with the G4-Wiz® electronic control. The G4-Wiz® software is designed to be reprogrammed, as in the case of new wash cycles or changes and updates in general, in order to keep up with new technologies. Do new detergents require different timing, different dosages, different amounts of water? Simply update G4-Wiz® and the washing machine will be ready for the changes. Grandimpianti machines, therefore, do not only adapt to current demands but are also ready for future developments. A purchase that lasts over time.

CHARACTERISTICS	GWM8	GWM11	GWM14	GWN18	GWN24	GWN28
Drum volume	dm³ 75	dm³ 105	dm³ 135	dm³ 180	dm³ 240	dm³ 280
Drum perforation	Around 8%					
Programs number	20					
UR percentage	53÷70%			80÷100%		

100% NOMINAL CAPACITY*	GWM8	GWM11	GWM14	GWN18	GWN24	GWN28
Water per cycle	*lt* 71.1	*lt.* 85.9	*lt.* 116.2	*lt.* 154	*lt.* 205.5	*lt.* 245
Power consumption	*KWh1.563*	*KWh2.332*	*KWh3.125*	*KWh5.168*	*KWh6.450*	*KWh7.847*
Cycle length	55min	55min	56min	56min	58min	60min
Detergents**	100%					

70% NOMINAL CAPACITY*	GWM8	GWM11	GWM14	GWN18	GWN24	GWN28
Water per cycle	*lt* 49.5	*lt.* 60.2	*lt.* 81.4	*lt.* 110.7	*lt.* 154	*lt.* 172
Power consumption	*KWh1.158*	*KWh1.578*	*KWh1.998*	*KWh3.166*	*KWh3.713*	*KWh4.459*
Cycle length	50min	51min	50min	50min	51min	52min
Detergents**	70%					

50% NOMINAL CAPACITY*	GWM8	GWM11	GWM14	GWN18	GWN24	GWN28
Water per cycle	*lt* 35.5	*lt.* 43	*lt.* 58.1	*lt.* 90	*lt.* 115	*lt.* 142.5
Power consumption	*KWh0.888*	*KWh1.188*	*KWh1.488*	*KWh2.232*	*KWh2.713*	*KWh3.246*
Cycle length	45min	46min	47min	46min	49min	50min
Detergents**	50%					

* The patented DWS system independently determines reduction in resource consumption in relation to the actual machine laundry load in kg. Consumption corresponding to 100% of the nominal load was calculated according to the international regulatory standard ISO 9398. The standard provides for the examination of the performance of the machine as a function of a wash cycle composed of a washing phase at 60°C, 3 rinse phases and a final spin at full power, corresponding to a load equal to a nominal capacity with a 1:10 ratio, of towels cotton fabric weighing 420g/m² with dimensions of 60cm x 90cm.

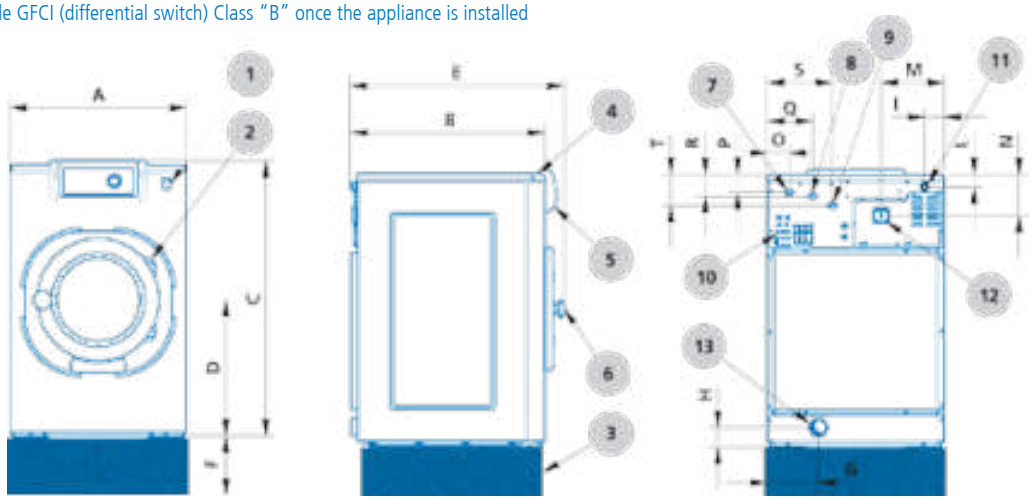
** The dosage of detergents is reduced automatically in case direct management of the dosing pumps by G4-Wiz® is chosen.

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Let's take the measurements

Characteristics \ Models	GWM8	GWM11	GWM14	GWN18	GWN24	GWN28
Capacity ratio 1:10 kg*	4 ÷ 8	5.3 ÷ 10.5	6.75÷13.5	9÷18	12÷24	14÷28
Capacity ratio 1:9 kg*	4.5 ÷ 9	6÷12	7.5÷15	10÷20	13.5÷27	16÷32
Dynamic weighing DWS	Yes					
Electronic imbalance control	Yes					
Spin (rpm) / G Factor	820 / 200	760 / 200	760 / 200	490 / 100	490 / 100	490 / 100
Noise level (dB)	<65					
Control	G4-Wiz®					
Payment systems	Mechanical coin meter / Electronic coin meter / Central payment unit / Other systems on request					
Heating power (kW)	6/9	6/9/12	9/12	12/18	18	22
Motor power (kW)	0.5	0.8	1.0	1.10	1.6	2.30
Electric power supply	220-240V 1~ 50/60Hz 230-240V 3~50/60Hz **380-415V 3N 50/60Hz** 440V-480V 3~ 60Hz					
Net/Gross weight (kg)	135 / 145	170 / 185	190 / 200	255 / 270	275 / 290	290 / 305
Dynamic floor loading (kN)	1.6 ± 2.4	1.9 ± 4.0	2.2 ± 5.10	2.7 ± 3.60	3.0 ± 4.8	3.22 ± 5.60
Porthole diameter (mm)	330	410		460		

Provide GFCI (differential switch) Class "B" once the appliance is installed



1	Emergency button
2	Porthole hinge
3	Concrete floor
4	Aesthetic angle closure
5	Dashboard
6	Handle
7	Soft water connection
8	Hard water connection
9	Hot water connection
10	Soap connection
11	Electrical connection
12	Disconnector
13	Drain (3")

	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T
GWM08(mm)	710	720	1130	582	780	250	230	88	88	55	284	185	98	80	203	96	213	165
GWM11(mm)	795	720	1245	620	780	250	230	88	88	55	284	185	98	80	203	96	293	138
GWM14(mm)	795	870	1245	620	830	250	230	88	88	55	284	185	98	80	203	96	293	138
GWN18(mm)	970	940	1460	765	1060	300	270	109	88	55	329	185	98	100	203	143	308	185
GWN24(mm)	970	940	1460	765	1060	300	270	109	88	55	329	185	98	100	203	143	308	185
GWN28(mm)	970	1187	1460	765	1210	300	270	109	88	55	329	185	98	100	203	143	308	185
	Width	**Depth**	**Height**															

The manufacturer declines all responsibility for any inexactitudes contained in this catalogue. The manufacturer reserves the right to bring, without warning, any modifications he might believe necessary, without changing the essential characteristics of the product.

GWM - GWN 201407 rel.01

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AZIENDA CON SISTEMA DI GESTIONE CERTIFICATO DA DNV
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=ISO 14001=