

Ghibli

THE WORLD OF STEAM

FD 381



A5009
CONFORM TO THE QUALITY
SYSTEM STANDARD
AQAP 2110
and ISO 9001:2008



CERTIFICATE
N° 36758

VAPOR VACUUM JUNIOR



BIG VAPOR



VAPOR VACUUM



TEQUENDAMA DOUBLE



**A COMPLETE RANGE OF CLEANERS AND ACCESSORIES
SOLVING MOST PROBLEMS**

TECHNICAL CHARACTERISTICS

Absorbed total power	10.000 W	
Electrical supply	400 V 3~50-60 Hz	
Steam hose length	20 ft	6 m
Steam output	33 lbs/h	15 kg/h
Max steam pressure	145 psi	10 bar
Steam temperature	356°F	180°C
Boiler model	inox	
Water tank capacity	53 pt	25 l
Chemical tank capacity	10 pt	5 l
Continuous functioning		
Empty weight	220 lbs	100 kg
Dimensions	23x43x38H in	60 x 110 x 98H cm

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STANDARD ACCESSORIES

- 1) Pistol with a 20 ft - 6 m hose
- 2) Longe pressure nozzle: 20 in - 510 mm
- 3) Pressure nozzle: 10 in - 260 mm
- 4) Pressure nozzle: 11 in - 290 mm
- 5) Kit packings
- 6) Steel brush
- 7) Plastic brush
- 8) Brass brush
- 9) Plastic paddle
- 10) Accessory for glass: 9 in - 240 mm



TECHNICAL CHARACTERISTICS

Absorbed total power	3000 W	
Heating power (diesel burner)	60.000 kcal/h	
Electrical supply	230/400 V 3~ 50-60 Hz	
Steam output	220 lbs/h	100 kg/h
Max steam pressure	290 psi	20 bar
Steam temperature	392°F	200°C
Continuous functioning		

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HIGH PRESSURE

Absorbed total power	5000 W	
Heating power	60.000 kcal/h	
Electrical supply	230/400 V 3~ 50-60 Hz	
Hot water max pressure	2900 psi	200 bar
Hot water flow	4 gpm	900 l/h
Water temperature	284°F	140°C
Continuous functioning		
Dimensions	25x42x34H in	63x106x86H cm

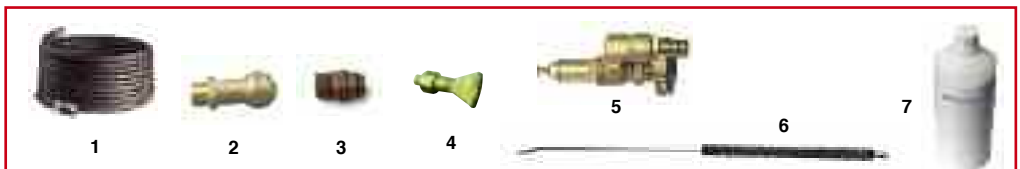
STANDARD ACCESSORIES KIT VAPOR

1. Steam hose 49 ft - 15 m.
2. Sphere nozzle for degasification/sterilizing
3. Direct nozzle
4. Nozzle FANJET
5. Security valve
6. Steam lance 63 in - 160 cm.
7. Descaling liquid 1 lb. - 0,5 Kg.

STANDARD ACCESSORIES

HIGH PRESSURE KIT

1. Hose 49 ft - 15 m.
2. Lance 59 in - 150 cm.
3. Nozzle 25°



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TECHNICAL CHARACTERISTICS

Absorbed total power	3100 W
Electrical supply	230 V 1~ 50-60 Hz
Steam hose length	16 ft 5 m
Steam output	4 lbs/h 2 kg/h
Max steam pressure	65 psi 4.5 bar
Steam temperature	298°F 148°C
Water tank capacity	4 pt 2 l
Continuous functioning	
Empty weight	33 lbs 15 kg
Dimensions	16x16x21H in 40x40x54H cm

STANDARD ACCESSORIES

1. Maxi brush 16 in - 40 cm. with:
 - 1A. Brush support
 - 1B. Rubber paddle
 - 1C. Plastic bar
 - 1D. Nylon brush
2. Medium brush 10 in - 25 cm. with:
 - 2A. Brush support
 - 2B. Rubber paddle
 - 2C. Plastic bar
 - 2D. Nylon brush
3. Accessory for glass 10 in - 25 cm.
4. Mini brush 6 in - 15 cm. with:
 - 4A. Support
 - 4B. Accessory for glass
 - 4C. Nylon brush
5. Steam + suction extension (1x18 in - 2x45 cm)
6. Short pressure nozzle
7. Long pressure nozzle
8. Pressure nozzle with suction
9. 4 Brushes (2 nylon-2 brass) for pressure nozzle
10. Filling bottle
11. Steam + suction hose 16 ft - 5 m.
12. Descaling liquid



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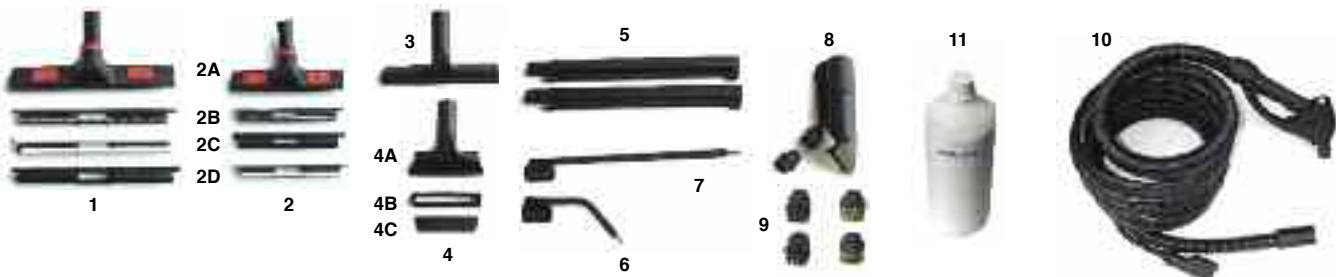


TECHNICAL CHARACTERISTICS

Absorbed total power	3600 W
Electrical supply	230 V 1~ 50-60 Hz
Steam hose length	16 ft 5 m
Capacity of detergent stock	21 pt 10 l
Steam output	7 lbs/h 3,2 kg/h
Max steam pressure	87 psi 6 bar
Steam temperature	316°F 158°C
Water tank capacity	14 pt 7 l
Chemical tank capacity	14 pt 7 l
Continuous functioning	
Empty weight	110 lbs 50 kg
Dimensions	18x37x35H in 47x95x88H cm

STANDARD ACCESSORIES

1. Maxi brushes maxi 16 in - 40 cm with:
 - 1A. Brush support
 - 1B. Rubber paddle
 - 1C. Plastic bar
 - 1D. Nylon brush
2. Medium brush 10 in - 25 cm with:
 - 2A. Brush support
 - 2B. Rubber paddle
 - 2C. Plastic bar
 - 2D. Nylon brush
3. Accessory for glass 10 in - 25 cm
4. Mini brush 6 in - 15 cm. with:
 - 4A. Support
 - 4B. Accessory for glass
 - 4C. Brush
5. Steam+suction extension (1x18 in - 2x45 cm)
6. Short pressure nozzle
7. Long pressure nozzle
8. Pressure nozzle with suction
9. 4 Brushes (2 brass—2 nylon) for pressure nozzle
10. Steam + suction hose 16 ft - 5 m.
11. Descaling liquid





WHY STEAM?

EFFICIENCY

Steam, a natural force with temperatures that reach 200°C and pressure, which range from 4 to 20 bar, offers a unique method of cleaning any surface without damaging it. Compared with using hot water at high pressure the thermodynamic characteristics of steam the water consumption halves with the added bonus of a reduction of detergents or disinfectant products.



Steam, and only steam, breaks down and dissolves the bio film formed by the accumulation of detergents or disinfectants, leaving the surfaces completely sanitized. Saturated steam possesses a strong capacity to penetrate, which allows it to dissolve the remaining fats in the industrial or food environment.

- **DECONTAMINATION: steam eliminates the contaminating effects of biological and chemical substances.**
- **SANITIZATION: steam destroys micro – organisms such as moulds and mites.**

QUALITY

Thanks to the continuous research and the development of new technologies and materials, GHIBLI steam washers are now World Market leaders. Our steam washers operate in full compliance of any environmental demands and can be used safely inside poorly ventilated areas, as they do not emit toxic gases or unpleasant odours allowing sanitization of areas while occupied.



SIMPLICITY

Operator safety is a high priority; all our products are designed and manufactured with the end user in mind. The steam washer does not produce jets of water and there is no overspray, allowing the unit to be used in a heavily pedestrianised area safely and effectively.

Low noise level ensures very little or no noise pollution.

The accessories are easily adapted depending on the different types of surfaces to be treated, making life easier for the operator.

All machines are designed in line with existing European standards.



ECONOMY

Our complete range of steam washers with varying pressure, flow rates and easily adaptable accessories allows our multi-use equipment to be used in a fast efficient manner, thus eliminating the need for chemicals, which results in lower operational costs.

HEALTH SERVICES

Hospitals, Clinics, Old People's Homes, Nursing Homes and Ambulance Departments are places at high risk of increased presence of bacteria.

In such places, hygiene becomes a concern for patients and staff alike.

With the use of saturated steam, it is now possible to sterilise everything thoroughly and efficiently, even in the most inaccessible areas.



Mites, bacteria and different viruses are eliminated from all kinds of containers, stainless steel, ceramic surfaces, cooking utensils, beds, lattices and operation theatres without the use of any chemical disinfectants whatsoever.

PUBLIC SERVICES

Any method of cleaning must be efficient, but at the same time, quick and economic. Sanitizing is a high priority for all aspects of food preparation – kitchens, restaurants and bars.

Cleaning with the use of steam can be an effective control in hygiene programmes such as the HACCP system.

Our steam washing system, along with the reduction of chemical products on cleaning surfaces and equipment (slicers, ovens, and saucepans), ensure shorter work times without comprising standards of quality.



JANITORIAL FIRMS

Steam washers are recognised as the equipment solution, which most effectively maximises time and labour savings through increased efficiency, ease of maintenance and operation, whilst providing chemical free cleaning around the clock.

Our steam washers and accessories ensure that even the most rigorous cleaning standards are met without damage to surfaces/equipment.

TRANSPORT

Our steam washers, operating safely at 180°, can be used in the garage and in the cleaning of vehicles and upholstery.

Mechanical parts can be degreased for easy maintenance while glass areas, seats, arm/head rests and corridors are thoroughly cleaned in less time with a notable reduction of water ingress.

With greater emphasis now on making public transport a more comfortable and pleasant means of travel, our steam offers a quick solution, which guarantees a level of hygiene, normally very difficult to obtain.

Perfect to remove chewing gum from seats, corridors, gangways, aisles, carpeting and even sensitive flooring.



CANTEENS & KITCHENS

Steam cleaning is specially designed to rapidly remove stains, dirt and unwanted materials in an easy environmentally friendly way. With this system there is no scraping, freezing or pressure washing techniques involved and no disruption to normal public or employee activity.

The hot steam generated acts as disinfectant killing bacteria and neutralising odours.

Saucepans, scales, working surfaces, filters, ovens and hoods can be easily cleaned with steam jets, so eliminating the fat substances and odours normally difficult to remove.

IN THE HOME

The use of steam for cleaning in the home has many advantages. The reduction in the need for chemical and abrasive cleaning materials reduces the weekly household expenses.

With steam you can unwax floors, clean carpets, glass areas, and ovens and with our easily adaptable accessories, disinfect the bathroom – all in one operation without difficulty and without rinsing.

The use of steam does not agitate the dust particles in the air, which reduces the risks of allergies, asthma and rhinitis.



HOTELS

Our steam unit is ideally suited for Hoteliers. The reputation of an establishment is often based on its hygiene and cleaning systems.

Toilets, floors, carpets, curtains, walls, furniture and leisure facilities can all benefit from steam cleaning.

The steam unit is fully portable and requires only an electrical supply. As well as a low water usage. Almost no noise is generated which means the steam unit can be used in normal working time and in any location with no inconvenience or danger to the public or employees.



WORKSHOPS

The degreasing of metallic structures by steam before coating, in one operation, means a much better result is attained than by conventional methods. The temperature of the steam itself reduces the time required to do the job and a reduction in the need for solvents.

The particles of fat melt and become fluid, which can be easily dealt with. Under the effect of the temperatures, the fats and oils are easily emulsified, the surface dries quickly without any residues, allowing the immediate coating of the cleaned objects.

Compared with treatment with hot water at high pressure, the amount of water required to do the job can be reduced by up to 60%



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WHO WE ARE

CRISTANINI, with more than 40 years of experience in the field of high pressure water technologies, we have become recognised throughout the industry as the leading supplier of commercial and industrial high pressure water and steam cleaning equipment and have a reputation for quality and high level of service.

We ensure that our range is manufactured not only to the highest standards, but also that it complies with statutory electrical regulations. We also offer a complete range of equipment for civil, industrial, military and civil defence use. The technology used by **CRISTANINI** is the result of years of studies and research in applied engineering and in the production of high pressure cleaning equipment and accessories in order to obtain the best innovative solutions.

The close relationship we share with our customers and the vast field of experience has led **CRISTANINI** to develop a vast range of products, offering solutions to previously unsolved problems.

The **CRISTANINI** production covers equipment from 1KW to 400KW under the brand names as below:



GHIBLI:

cold/hot high pressure washes recognised worldwide.



CHASSIS CLEAN

automatic robotized systems to clean and decontaminate chassis of trucks, buses, trailers, trains and special vehicles with high pressure cleaning equipment at 180 BAR/85°C.



BODY CLEAN

rotating jets cleaning system, mounted on mobile arches for cleaning vehicles of irregular shape (trucks, dumpers, tank lorries etc.) with water high pressure at 150 BAR/85°C.



EUROSANIMATIC

special trucks equipped to wash, disinfect and decontaminate dustbins in whatever form, used for urban refuse collection with water high pressure 200 BAR/85°C.



RRR

(Runways Rubber Removal) mobile autonomous unit for removing rubber residues on airport runways.



DE-ICER

specially built vehicles for removing snow and ice and for preventive treatment of aircrafts before takeoff.



SKID V-025 STEAM

mobile units for the degasification and the sterilization of mobile and underground cisterns.

The headquarters are situated in Rivoli Veronese (Verona), Italy and operates all over the world with assembly plants/production in: Buenos Aires-Argentina; Guadalajara-Mexico; Toronto-Canada; Wroclaw-Poland and authorized importers/distributors in 73 countries.

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