

HOBART

WAREWASHING
GLASSWASHER

PREMAX GP

EFFICIENT – RELIABLE – INNOVATIVE



MADE IN GERMANY

„Made in Germany“ has been a synonym for quality and reliability in the segment of high quality for a long time and still is today. A company can only maintain its hold on the market by keeping its promises as to quality and by producing permanently high quality.

WORLDWIDE

Whether you need a completely new kitchen or a replacement item you can buy HOBART equipment at the professional consultancies you deserve anywhere. It's nice to know we're always there.



- 1883 Mr. Charles Clarence Hobart builds his first engines and generators in Middletown, Ohio.
- 1886 J.C. Cochran receives the patent for the first dishwasher.
- 1897 The HOBART ELECTRICAL MANUFACTURING COMPANY was founded in Troy Ohio, by the acquisition of the engine and generator factory of the HOBART family.
- 1903 HOBART builds the first food processor (a self-contained powered coffee mill).

- 1926 HOBART purchases The Crescent Washing Machine Company, and enters the commercial warewashing market: the first warewashing machine carrying a HOBART label
- 1930 Foundation of the HOBART MASCHINEN GESELLSCHAFT in Hamburg, Germany.
- 1953 HOBART receives the patent for the first flight-type dishwasher.
- 1960 Acquisition of the dishwashing-department of the company K. Martin, Offenbourg, Germany.

- 1980 Production plant in Elgersweier, Germany, was newly build
- 1986 PREMARK INTERNATIONAL GROUP emerged in Deerfield, Illinois.
- 1997 HOBART CORPORATION'S 100th anniversary.
- 1999 Integration of PREMARK into ITW
- 2007 HOBART presents it's new dishwasher generation PREMAX

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HOBART

The world's first self-contained powered coffee mill was introduced to the market in 1903. There was a clear objective behind this development: to simplify the daily work in the kitchen - rationally and economically. This coffee grinder was a HOBART invention.

The products meet exceptional quality standards. This is the result of a constant adaptation to customer's needs. HOBART products, their installation and an outstanding after sales service are provided globally via an extensive network of branches and fully trained international distributors.



The Brand-name for Quality and Innovation.

Starting from small undercounter dishwashers to large semi- and fully-automatic warewash solutions HOBART is market leader in commercial warewash and catering equipment for bars, restaurants, canteens, bakeries, butcheries, hospitals, cruise vessels and airports.

Understand - Simplify - Focus - Innovate

According to this company philosophy we are continuously motivated to innovate and improve our products, thus giving our customers state of the art equipment, tailored to their needs.

1 "I have taken my dishwasher to my new bar in Amsterdam. I didn't want to do without the quality "Made in Germany"."

Thomas D. Küsterhagen,
The Bombay Rooms,
Amsterdam, Netherlands

2 "We always have to be good-looking behind the bar. There is no escaping steam from the new PREMAX, so our make-up lasts the whole evening."

Sabine Münch,
Discothek Kings Club,
Bremen, Germany

3 "At the bar I have to overlook everything very quickly. The PREMAX always shows me what it is doing and how long the programme will take. It's the only machine doing this."

Thierry Fouquet,
Cube Club,
Lyon, France

4 "It's as with my car – with the new PREMAX I can always see when the tank is almost empty. Refilling is very simple and the tank is extremely large."

José Gonzales,
Ayre Hotel Gran Via,
Barcelona, Spain

1

2

3

4



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1 | WASH RESULT

**PATENT
PENDING**

FINE FILTER SYSTEM GENIUS-X²

Continuous filtration of the suds is the main requirement to get the optimal washresult with less consumption of detergent and water. The highly developed filter system GENIUS-X² transform the suds also during the washing process through a system of filters. But parallel to the wash cycle the dirt particles are pumped out. The remaining dirt particles are removed before the final rinse. The suds are regenerated with 2.5 litres fresh rinse water. The suds are optimally renewed and guarantee an even better result.

The GENIUS-X² filter cleans itself independently during the pumping out of the suds. The fine filter system GENIUS-X² reduces detergent consumption by up to 30%.

RINSE SYSTEM ACCURINSE

Ensuring constant temperature and volume of clean rinse water is vital to achieve not only clean, but hygienically clean table-ware. The HOBART system “pulls” rather than “pushes” the rinse water through the booster and is totally independent of flow pressure on site thus preventing any mixing with incoming cold water.

The ACCURINSE system delivers precisely 2.5 l of fresh water at over 60°C every cycle to ensure perfect hygiene standards. In addition the precision of ACCURINSE saves up to 30% water, energy, detergent and rinse aid.

RINSING AQUA-PLUS

The rinsing of higher glasses or glasses of critical shape makes high demands on the final rinsing. The separately selectable programme AQUA-PLUS rinses the glasses with an increased quantity of fresh water.

HEAT ELEMENT ECOTHERM

A consistently high wash temperature extracts maximum cleaning performance from the detergent solution. HOBART research has established that higher washing temperatures optimize detergent performance ECOTHERM, using just 1kW of energy, ensures a constant 52°C even during continuous use. The extra heat absorbed by the washed ware also improves the drying result.

UPPER WASH SYSTEM ROTOR

HOBART glasswashers are equipped with a top wash arm. The double top and bottom wash action allows washing small tableware in addition to glasses.

HYGIENIC – CLEAN – ECONOMICAL

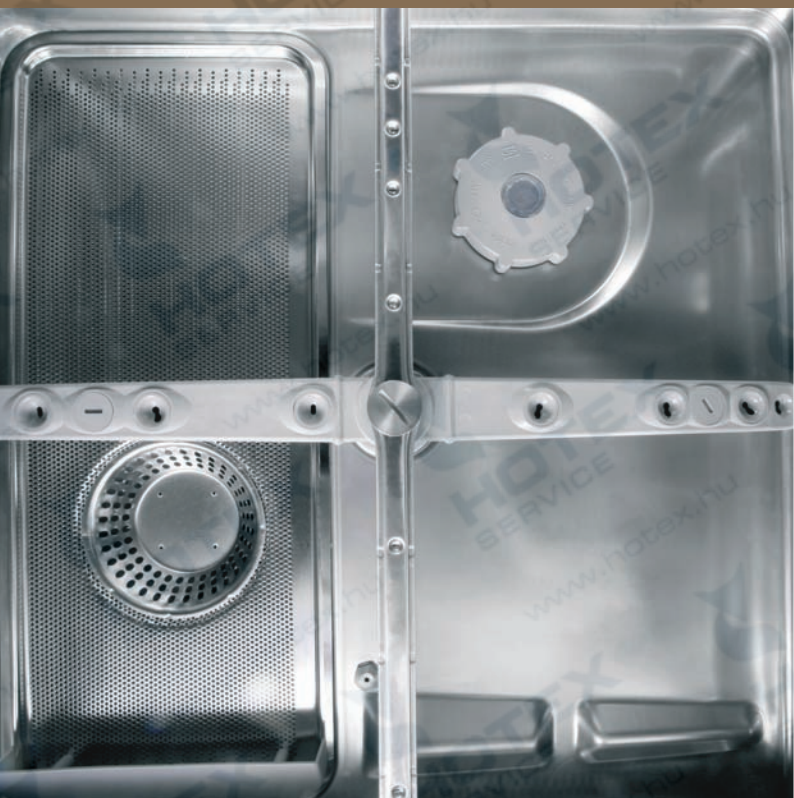


The fine filter system GENIUS-X² with integrated pre-washing filters the washwater permanently and at the same time pumps out the soil particles.

MORE – CONSTANT – DOUBLE



Top and bottom wash and rinse arms are identical. Interchanging will not affect performance.



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1 | WASH RESULT

**PATENT
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DRYING MANAGER PERFECT

The self-drying of the wash ware is highly influenced by its temperature and the moisture in the chamber of the machine. The drying manager PERFECT has a multi-stage ventilation which extracts the air, saturated with moisture, out of the machine. Fresh air streaming in also absorbs moisture.

The system of air diverters optimizes the air circulation and enables a faster and even drying result. At the same time the temperature of the wash ware is reduced – especially glasses, which can soon be used again. The drying phase can be interrupted at any time.

STRAINER CONTROL SYSTEM PROOF

Clean wash water and accurate detergent dosage are key factors in achieving a clean and hygienic wash result. An efficient filter system is useless if it is not in the right position.

The strainer control system PROOF has an interlock which is continuously monitored by the SMARTRONIC control. The wash cycle can only be activated if the filter is correctly positioned.

COOL – SPARKLING



The drying manager PERFECT monitors the drying of the wash ware. At the same time it is cooled down – glasses can be used again very soon.

WASH SYSTEM ROTOR

The performance depends heavily on a reliable wash system. Fixed wash arms and jets will often leave shadow areas, especially with some clogged jets.

The ROTOR wash system is continuously efficient. Separate, rotating wash and rinse arms at the top and bottom are driven by the water pressure. Every corner of the wash chamber is efficiently covered by the dynamic water action, during the wash as well as during the rinse.

**PATENT
PENDING**

WIDE ANGLE NOZZLES FAN

Wash efficiency depends largely on the distribution of the detergent solution and on avoiding any masked areas. Spraying angles and the precision of the wash jets are vital factors in achieving a powerful, searching wash action and the HOBART designed nozzles FAN provide a substantially broader and more precise spraying pattern.

Compared with conventional and fixed wash arm systems the detergent solution is distributed more efficiently, masking is avoided and the wash result, especially in the corners, is considerably improved.

EVERYWHERE – CONSTANT



The wash system ROTOR increases the safety reserves and guarantees a constant wash result.



The wide angle nozzle FAN avoids spray shadows and improves the wash results.

HOBART

2 | HANDLING

**PATENT
PENDING**

SINGLE BUTTON SMARTRONIC

In any busy establishment the dishwasher must be easy to operate and customers tell us that having simple, understandable controls is of big importance.

The SMARTRONIC control with single button operation indicates the machine status in clear, self explanatory colours. Only the essential functions such as filling & heating, washing & rinsing, ready for use, and draining are indicated. Incorrect operation and misuse are eliminated. Additional functions can be accessed as required.

Additional: PREMAX models have the extra benefit of machine status indication within the door handle for clearer, easier identification.

REMAINING TIME INDICATOR

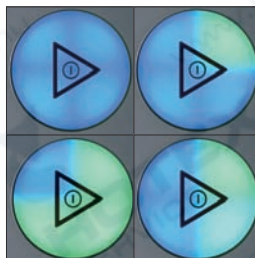
The remaining time indicator visibly shows the progress of the running wash programme.

The four segments of the STARTER colour up clockwise in sequence. Even in peak times personnel can set their priorities at a glance and work more efficiently.

EASY – INTELLIGENT



The single button operation SMARTRONIC combines the most important functions in the STARTER.



The STARTER shows the remaining cycle-time and the operation status in self-explanatory colours.

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**PATENT
PENDING**

DOOR SYSTEM VAPOSTOP

When opening a conventional dishwasher hot steam escapes from the machine.

The door opening VAPOSTOP extracts the moisture saturated air by means of a multi-stage ventilation. Due to the exhaust the escape of steam is effectively avoided. So removing the wash ware is much easier for the personnel and the guests at the bar are not disturbed by escaping steam.

**PATENT
PENDING**

HYGIENE CYCLE ACTIVE

A dirty dishwasher cannot deliver clean results and over a period of time dirt particles, starch and sometimes lime can be build up inside the machine leading to bacteria and poor machine hygiene. Together with the specially formulated INTENSIVE tablets HOBART's ACTIVE hygiene cycle effectively removes these deposits from the wash tank and chamber leaving a clean machine with a fresh smell.

SOFT START PROTECT

In bars and bistros glass or dishwashers are often installed under the counter. The PROTECT soft start considerably reduces the disturbing noise to close guests. In addition it avoids shaking up glasses and ware and protects components in the long run.

SMOOTH COUNTERBALANCED DOOR

Hydraulic shock absorbers give the spring loaded door a gentle opening and a silent closing. The flat rack slides on the inner door make loading and unloading easy from all sides.

FREE OF STEAM – CONVENIENT

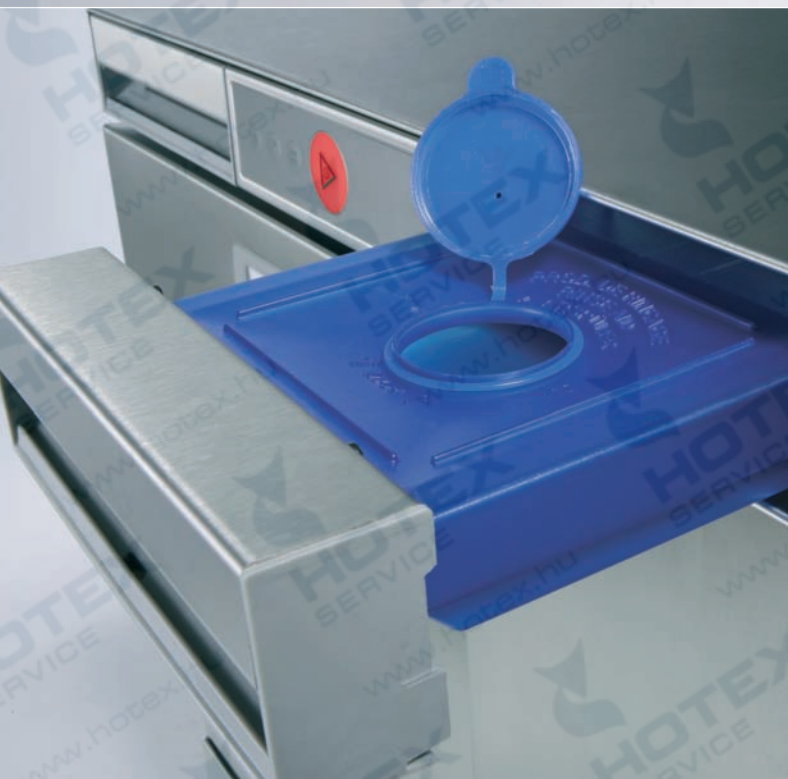


The patent pending door opening VAPOSTOP avoids effectively the escape of steam when loading and unloading the machine.

SOFT – NOISELESS



The deep drawn rack guide at the door and in the interior enables an easy sliding of the glass rack.



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2 | HANDLING

DETERGENT CONTAINER XTENT3

The largest detergent container on the market XTENT3 with 2,9 litres. Compared with conventional containers the period to the next filling is doubled. The large opening enables a fast and safe refilling.

RINSE CONTAINER XTENT1

The largest liquid container on the market XTENT1 contains 1 litre and so the frequency of refilling is reduced many times over. A withdrawable drawer makes the refilling easier.

HOBART RESERVE INDICATOR

Detergent and rinse aid are essential for a clean and sparkling wash result. The integrated reserve indicator of the detergent container XTENT3 and the rinse aid container XTENT1 show in time, when detergent or rinse aid has to be refilled. The wash programme doesn't have to be interrupted at once. Dosing pump is protected.

3 | RELIABILITY

QUALITY

A commercial dishwasher is used up to 85.000 times during its lifetime.

To HOBART reliability is no coincidence: therefore, our machines are repeatedly exposed to daily requirements, in order to guarantee performance after progressive use. For example the door is opened and shut more than 100.000 times.

DOSING-TECHNOLOGY

The PREMAX-models are exclusively equipped with Saier high pressure dosing pumps as standard.

DRAIN PUMP

The drain pump, a standard fitting, drains the waste water into any effluent with a maximum height of 1m.

MULTI-PHASING

Multi-Phasing allows the operation of the same machine either on 230 V or 400 V. The change is done by simple plugging on site when installing the machine.

A LOT – RESERVE

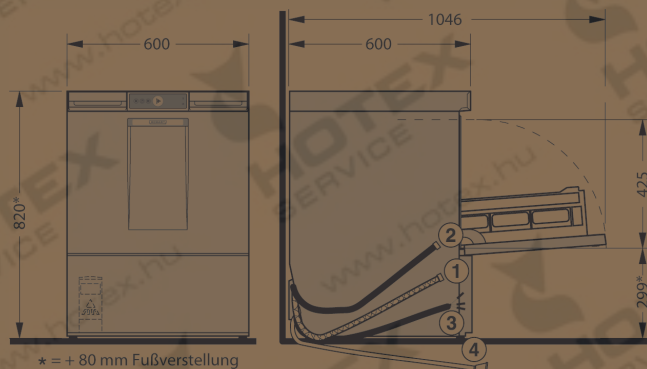


Largest detergent container of the market, the XTENT3 doubles the period to the next filling

GUARANTEED – FLEXIBLE



The quality manager GARANT: For example, the door is opened and closed again 100.000 times in a stress test.



4 TECHNICAL DATA

MODEL	GP
Cycle times in sec. [1]	
with 400 voltage	60/90/120
with 230 voltage	60/90/120
Capacity with 400 voltage [2]	
racks / h	60
glasses / h	2.160
Capacity with 230 voltage [2]	
racks / h	60
glasses / h	2.160
Tank volume litres	10,8
Rinsewater fresh water cycle litres	2,5
Total loading kW	
with 400 voltage	7,7
with 230 voltage	3,6
Measures in mm	
Width	600
Depth	600
Height	820
Loading Height	425
Racksize	500 x 500 500 x 530
	-
Features	
Rinse aid dispenser	incl.
Detergent dispenser	incl.
Integrated rinse aid container	incl.
Integrated detergent container	optional

WATER SOFTENING

as protection against calcification
Mod.SE/SD performance 1.600 l at 10°d (total hardness)

SEMI-DESALINATION CARTRIDGE

For a sparkling rinse result with raw water with medium mineral concentration. Series TE, performance of 12.000 l at 10°d (carbonate hardness)

FULL DESALINATION CARTRIDGE

for a sparkling rinse result with raw water with high mineral concentration. Series VE, performance of 3.100 l at 10°d (total hardness)



[1] The machine is equipped with an automatic cycle-time control in order to achieve a hygienic rinse temperature even for cold-water utilities or reduced heating performance.
[2] theoretical performance

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A NEW DRY ERA

When coming out of the dishwasher glasses are clean but still wet.

A long wait or manual towel polishing are not acceptable solutions in any foodservice operation.

HOBART's exclusive drying manager PERFECT is your ticket to a new dry era.



WAREWASHING

COOKING

FOOD PREPARATION

WASTE TREATMENT

SERVICE

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