



WAREWASHING  
GLASSWASHER

**PREMAX GP**

EFFICIENT – RELIABLE – INNOVATIVE



made in germany



## MADE IN GERMANY

„Made in Germany“ has been synonymous with quality and reliability in the premium segment for a long time and still is today. A company can only maintain its hold on the market by keeping its promise to continually deliver high quality.

## WORLDWIDE

Whether you need a completely new kitchen or a replacement item our competent subsidiaries and partners all over the world would be pleased to support you. It's nice to know we are 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, through 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, Offenburg, Germany.  
1980 Production plant in Elgersweier, Germany, was newly built.  
1986 PREMARK INTERNATIONAL GROUP was formed in Deerfield, Illinois.  
1997 HOBART CORPORATION'S 100th anniversary.  
1999 Integration of PREMARK into ITW.  
2007 HOBART presents its new dishwasher generation PREMAX.



## HOBART PHILOSOPHY

### UNDERSTAND – SIMPLIFY – FOCUS – INNOVATE

This philosophy provides the continuing motivation to develop innovations, which are the best driver of economic development and a guarantee for job security. It is a philosophy of the essential, of customer value, of simplicity. A philosophy built on the conviction that things created for a purpose and with logic, do not need to be completely renewed, but must instead be subject to continuous evolution.

## HOBART VISION

### “WASH WITHOUT WATER“

Before PREMAX, a flight-type dishwasher with a 50 % water saving would have been utopia. At HOBART, efficiency and responsible use of natural resources when developing new machines have always gone hand in hand. With PREMAX, the company has set a further milestone, and has further extended its leadership in innovation. But even so, HOBART is not satisfied with this. The company will not diminish the pace of its innovation, and will look for further opportunities to save even more. When the day arrives that a machine is able to wash without water, we already know, it will be a PREMAX.

## HOBART FOCUS

### INNOVATION

Without the readiness to invest in the future, without the natural reaction of always questioning ourselves, without interdisciplinary basic research and consistent customer focus, PREMAX would be inconceivable.

Worldwide, over 300 research and development engineers and global marketing teams, who identify customer requirements, as well as the company's own Tech-Center, with over 1,000 patent applications annually, develop innovative technology and make PREMAX possible.

### ECOLOGY

The HOBART environmental protection program CO<sub>2</sub>NSEQUENT has been in existence for some time. The program includes a large number of measures that are all related to protecting the environment. These measures are implemented in production, purchasing, the development and sale of products and in additional projects.

### ECONOMY

Already in the early 1980s our E-formula set standards in energy saving and recovery which are still unique today. This innovative spirit found its fulfillment in the PREMAX line. The PREMAX flight-type dishwasher saves up to 50 % water, 30 % energy, and 80 % chemicals in comparison with conventional technologies, making HOBART a model in terms of efficiency and economy.





1

2

3

4

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

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

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

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."

Thomas D. Küsterhagen  
Cocktail bar,  
Amsterdam, Netherlands

Sabine Münch  
Discotheque,  
Bremen, Germany

Torben Kaufmann  
Cocktail bar,  
Lyon, France

José Gonzales,  
Hotel bar,  
Barcelona, Spain



## 1 WASH RESULT

**PATENT**  
ANGEMELDET

### FINE FILTER SYSTEM GENIUS-X<sup>2</sup>

Permanently clean wash water is the key requirement for an optimal wash result with less detergent and water consumption. In the next generation GENIUS-X<sup>2</sup> fine filter system, the wash water is continuously led through a system of filters. During the wash cycle the majority of soil particles are removed during the first phase of draining. Any remaining soil particles are retained in the filter and are then removed during the second stage of draining, just before the final rinse. The tank water is then replenished with 2.5 liter of fresh hot rinse water. This optimal regeneration ensures a perfect wash result.

The GENIUS-X<sup>2</sup> cleans itself during the draining phase.

The fine filter system GENIUS-X<sup>2</sup> 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 65°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 program AQUA-PLUS rinses the glasses with an increased quantity of fresh water.

### HEAT ELEMENT ECOTHERM

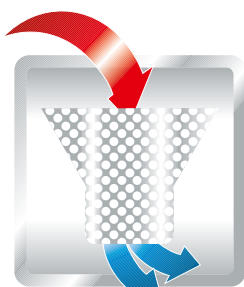
A consistently high wash temperature extracts maximum cleaning performance from the detergent solution. HOBART research has established that higher washing temperatures optimize detergent performance ECOTHERM, using just 1kW of energy, ensures a constant 55°C even during continuous use. The extra heat absorbed by the washed ware also improves the drying result.

**PATENT**  
ANGEMELDET

### 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.

## HYGIENIC – CLEAN – ECONOMICAL



The fine filter system GENIUS-X<sup>2</sup>, with integrated pre-washing process, filters the wash water continuously and then pumps out the soil particles.

## MORE – CONSTANT – DOUBLE



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





## 1 | WASH RESULT

**PATENT**  
ANGEMELDET

### 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.

### 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. 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.

## 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.



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**  
ANGEMELDET

### 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 and heating, washing and rinsing, ready for use, and draining are indicated. Incorrect operation and misuse are eliminated.

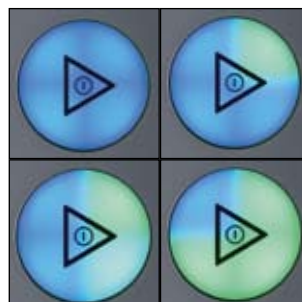
### REMAINING TIME INDICATOR

The remaining time indicator visibly shows the progress of the running wash program. 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 simple SMARTRONIC control combines the most important functions into just one STARTER button.



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





**PATENT**  
ANGEMELDET

## 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**  
ANGEMELDET

## 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.

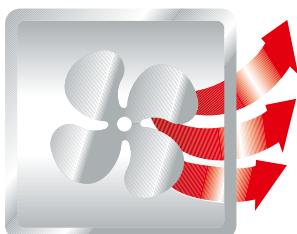
## SOFT START PROTECT

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 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.





## 2 | HANDLING

### DETERGENT CONTAINER XTENT3

The largest detergent container on the market XTENT3 with 2.9 liter. 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 optional largest liquid container on the market XTENT1 contains 1 liter 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 program 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.

### DRAIN PUMP

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

### MULTI-PHASING (230/400 V)

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

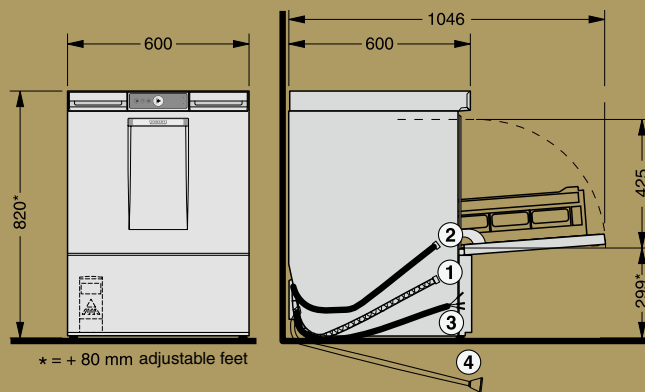


Largest detergent container of the market, the XTENT3 doubles the period to the next filling.

## 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
<b>Cycle times</b> in sec. [ 1 ]	
with 400 voltage	60 / 90 / 120
with 230 voltage	60 / 90 / 120
<b>Capacity with 400 voltage</b> [ 2 ]	
racks / h	60
glasses / h	2.160
<b>Capacity with 230 voltage</b> [ 2 ]	
racks / h	60
glasses / h	2.160
<b>Tank volume</b> liter	10.8
<b>Rinsewater fresh water cycle</b> liter	2.5
<b>Total loading</b> kW	
with 400 voltage	7.7
with 230 voltage	3.6
<b>Dimensions</b> in mm	
Width	600
Depth	600
Height	820
Loading height	425
Rack size	500 x 500
	500 x 530
<b>Features</b>	
Rinse aid dispenser	incl.
Detergent dispenser	incl.
Integrated rinse aid container	optional
Integrated detergent container	optional

## WATER TREATMENT

### WATER SOFTENING SYSTEM

to protect against calcium deposits

Mod. SE output 1,600 liter at 10° d (total hardness)

### PARTIAL DESALINATION CARTRIDGES

for sparkling wash results when the raw water contains minerals

Series TE output of 7,000 to 16,000 liter at 10° d (carbonate hardness)

### FULL DESALINATION CARTRIDGES

for sparkling wash results when the raw water has a high mineral content.

Series VE output of 3,100 - 5,000 liter 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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Member of the ITW Food Equipment Group Europe

