

# BARRIER WASHERS

# UNIVERSA

Your Reliable Partner in Laundry Solutions



# ABOUT US

Hagspiel d.o.o. has its roots in the Yugoslav-era company Primat in Maribor and has been operating independently in Slovenia since 1998. After Slovenia's independence, we began a close cooperation with the German company Hagspiel & Dobler, resulting in the development of barrier washing machines under the UNIVERSA and MB brands – combining performance with German engineering.

Today, we specialize in complete laundry solutions, offering manufacturing, project planning, technical analysis, equipment sales, and professional maintenance services. Our experienced team ensures that each laundry system operates smoothly, reliably, and efficiently.

With a global customer base, our machines and expertise extend well beyond Slovenia's borders. We are proud to be a trusted partner in the industrial laundry sector, known for innovation, quality, and long-term reliability.

Reach out to find out how our advanced washing machines can improve the performance and reliability of your laundry operations



## WHY TO CHOOSE HAGSPIEL

### **Experience You Can Trust**

Decades of industry knowledge and hands-on expertise in professional laundry equipment

### **Made Entirely In-House**

Each machine is fully designed and manufactured in our own production facility – ensuring quality control at every step.

### **Custom-Built to Your Needs**

Our machines can be tailored to meet the specific technical and operational requirements of your laundry.

### **Reliable Support and Spare Parts**

We provide ongoing technical support and fast access to spare parts – for smooth and uninterrupted operation

# NAVIGATION

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### Robust and Stable Construction

The UNIVERSA barrier washer features a reinforced frame and high-quality materials for long-term performance. Optimized weight distribution ensures stability, reduces vibrations and noise, and improves safety during operation.

### Easy Servicing and Maintenance

All key components are easily accessible through lockable stainless steel panels. The design allows fast maintenance without special tools, minimizing downtime.



### Bearing System

Oversized bearings with integrated grease nipples and multi-level suds protection ensure high reliability, even in intensive-use environments.



### Brake System with Frequency Inverter

Standard braking is performed by the motor via frequency inverter, reducing mechanical brake usage, minimizing wear, and extending the lifespan of brake components.

### Pulley with Brake System

Equipped with a large drive pulley, integrated brake disc, and one or two safety brakes (depending on model), the system ensures safe drum stopping.

# key features

## Suspension System

Combines air cushions and shock absorbers to adapt to varying loads, enhancing stability, reducing vibrations, and ensuring smooth operation.



## Heating Options

Available with electric, steam, hot water, or thermal oil heating—individually or in combination—to suit different installation requirements.

## Drum Shaft Sealing

The shaft is sealed with a ceramic bushing and four seals (Viton® and rubber), providing excellent resistance to chemicals and heat, and protecting the bearing assembly from leaks.



## Inner Drum Construction

The inner drum is made from 3 mm stainless steel and features a full-length axle supported by two bearings, providing maximum strength and long-lasting durability.

## Large Doors

The machine is equipped with large doors for loading and unloading, allowing for efficient and quick handling of laundry. The robust design ensures secure closure during operation while providing easy access for users.



## UNI Smart Weigh

Automatically adjusts washing parameters to the actual load size, optimizing water, energy, and detergent use while maintaining excellent cleaning results.

# control unit

## UNIVERSA Touch

The advanced control unit is designed for professional laundry environments where efficiency, reliability, and user-friendliness are essential. With a clear interface and thoughtful features, it simplifies operations for both operators and technicians while supporting complex washing requirements.

### 100 PROGRAMMABLE PROGRAMS

#### (INCLUDING 12 PRE-SET PROGRAMS)

Customize up to 100 wash programs for various textile and hygiene needs.

### QUICK PROGRAM START

Simply select the program name and press START - no further setup needed, saving time and reducing errors.

### CLEAR DISPLAY WITH LARGE BUTTONS

Bright, easy to read display with large buttons for simple operation - even with gloves.

### FAST PROGRAM SEARCH

Quickly access programs using their number without scrolling through menus.

### DELAYED START OPTION

Set the machine to start at a chosen time and date to optimize workflow or energy use.

### ACCESS CONTROL

Define user levels for technicians, operators, and dosing adjustments to prevent unauthorized changes.

### EASY CONTROLLER OPERATION

Intuitive design for easy use with minimal training, ideal for busy laundry environments.

### SKIP CURRENT STEP

Option to skip the current cycle step - useful for urgent loads.

### MULTIPLE DETERGENT OPTIONS

Supports 6 liquid detergents and 5 dosing containers or up to 10 detergents without containers.

### PROGRAM TRANSFER VIA USB

Transfer or back up settings and programs easily via USB.

### ADDITIONAL DISPLAY OPTION

Optional second display on the clean side improves visibility.

### POWER CUT DETECTION

Resumes the wash cycle from the interruption point after a power outage - no need to restart.

### PAUSE SIGNAL (DETERGENT STOP SIGNAL)

Synchronizes detergent dosing with other machines by pausing as needed.

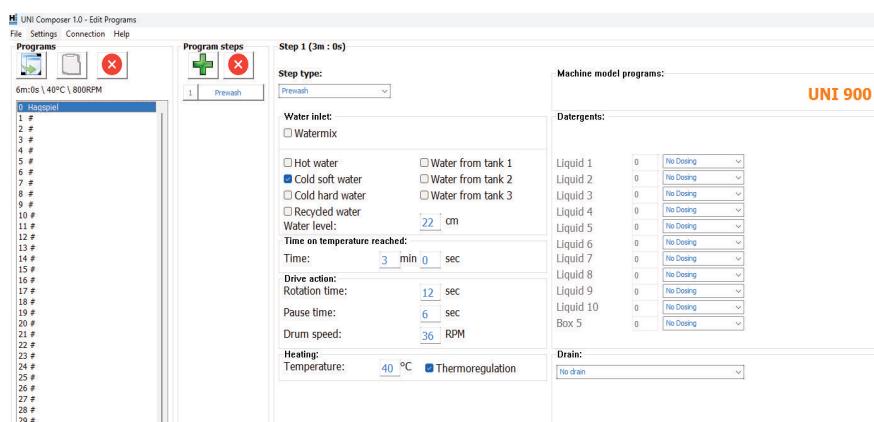
### NETWORK CONNECTIVITY

Connects to a local network for remote monitoring, updates, and program control.



## UNI Composer Software

UNI Composer is a PC-based software tool designed for easy programming, editing, and management of washing machine cycles. It allows users, such as technicians, service staff, or laundry managers, to create, modify, and transfer wash programs directly from a computer to the machine via USB or network connection.



The software offers a user friendly interface with clear visual organization of each washing step (temperature, drum speed, water level, dosing, timing, etc.), making it simple to configure even complex washing processes. UNI Composer also provides access to advanced parameters, helping optimize cycles for energy efficiency, hygiene requirements, or fabric care.

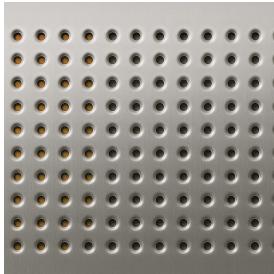
## Powder Detergent Compartments

Available with 4, 5, or 10 compartments for accurate and separate dosing of different detergents. Supports flexible program-specific detergent selection.



## Inner Drum with Embossed Holes

Embossed (recessed) holes, which reduce mechanical wear on fabrics and enhance water flow during washing and rinsing. This design ensures gentler treatment of delicate textiles while maintaining high washing performance.



## Automatic Lubrication of Bearings and Seals

Ensures continuous lubrication of bearings and seals, minimizing maintenance and wear.

## Automatic Load Weighing

Integrated load cells precisely measure laundry weight and automatically adjust water, detergent, and energy usage. The system also ensures balanced drum loading.

## Machine Sound Insulation

Additional insulation significantly reduces noise during operation - ideal for multi machine environments.

## UNITANK – Water Recovery System

Water-saving tank with 2 or 3 compartments mounted above the machine. Reuses water from previous cycles, saving up to 70% water, 40% energy, and 10% detergent. Made of stainless steel for durability and easy maintenance.



## Drum Thermal Insulation

Reduces heat loss during washing, improves energy efficiency, and shortens heating time.



## Additional Display on the Clean Side

Optional display for monitoring cycle status and performing basic functions from the clean side of the barrier installation.

## Water Sampling

Side-mounted tap allows easy sampling of wastewater for quality control and compliance with environmental regulations.

# small range



# middle range



# big range



Category	Sub-Category	Item A	Item B	Item C	Item D
Product X	Variant A	Detail 1	Detail 2	Detail 3	Detail 4
Product X	Variant B	Detail 1	Detail 2	Detail 3	Detail 4
Product X	Variant C	Detail 1	Detail 2	Detail 3	Detail 4
Product X	Variant D	Detail 1	Detail 2	Detail 3	Detail 4
Product Y	Variant A	Detail 1	Detail 2	Detail 3	Detail 4
Product Y	Variant B	Detail 1	Detail 2	Detail 3	Detail 4
Product Y	Variant C	Detail 1	Detail 2	Detail 3	Detail 4
Product Y	Variant D	Detail 1	Detail 2	Detail 3	Detail 4
Product Z	Variant A	Detail 1	Detail 2	Detail 3	Detail 4
Product Z	Variant B	Detail 1	Detail 2	Detail 3	Detail 4
Product Z	Variant C	Detail 1	Detail 2	Detail 3	Detail 4
Product Z	Variant D	Detail 1	Detail 2	Detail 3	Detail 4



# More Than Manufacturing – Complete Laundry Solutions

In addition to our own production line, Hagspiel d.o.o. offers a wide range of professional laundry equipment from trusted partners:

- Professional and industrial washing machines
- Tumble dryers and heat pump dryers
- Ironers, ironing tables, and finishing equipment
- Pass-through hygiene cabinets
- Laundry transport trolleys and accessories



We also provide comprehensive services to support your laundry operation:

- Conceptual planning and laundry analysis
- Equipment supply and installation
- Professional maintenance and spare parts support

Whether you're planning a new facility or upgrading an existing one – we're here to help you build a laundry that runs efficiently and reliably.



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## UNIVERSA worldwide

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Egypt Israel Saudi Arabia Chile Ecuador Uruguay  
and more