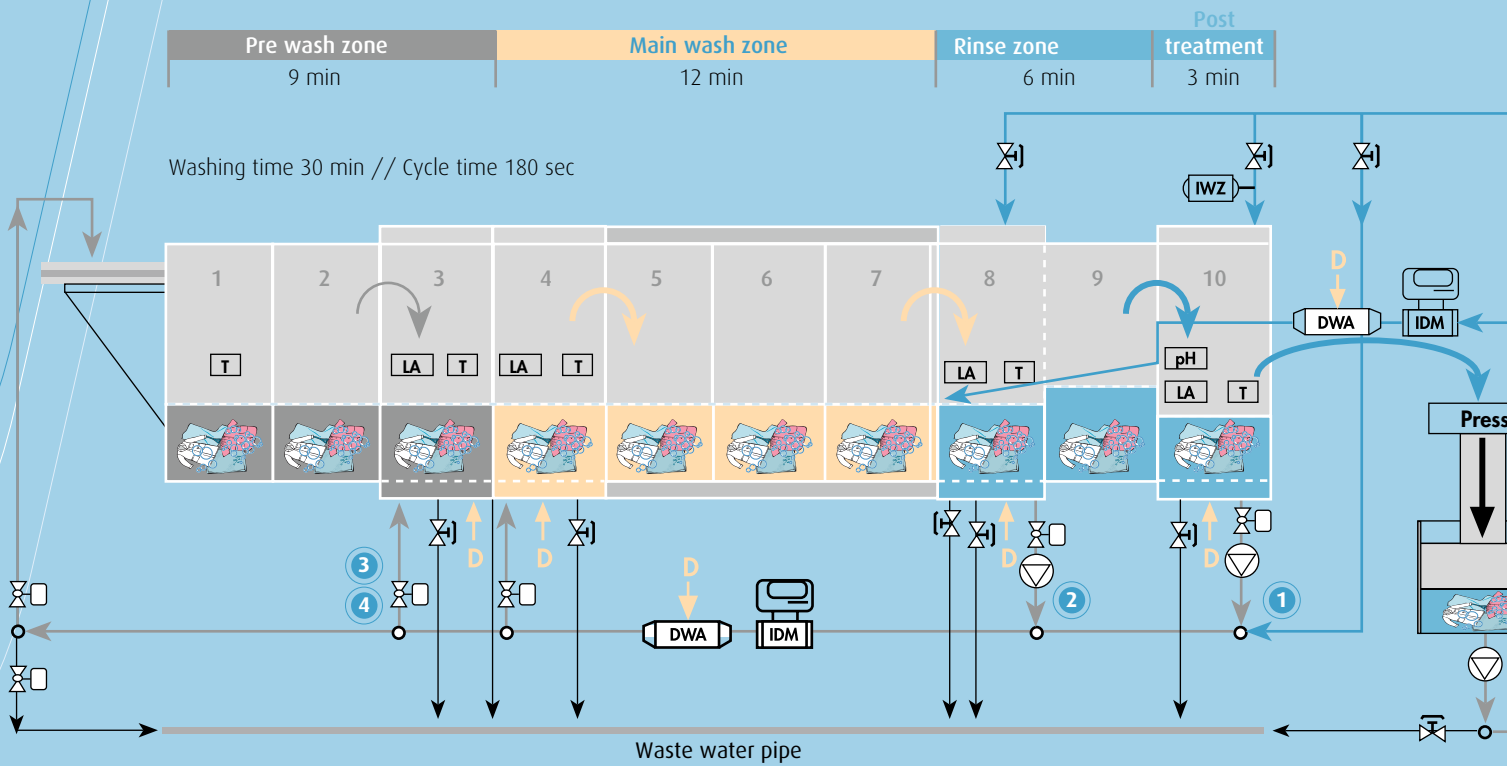


Senking Universal MediLine

Designed to meet highest hygienic requirements

Continuous Batch Washer
Especially for processing
textile Medical Devices according to
the Medical Device Directive.





Washing time 30 min // Cycle time 180 sec

Waste water pipe

Universal MediLine

Designed to meet highest hygienic requirements

The new SENKING continuous batch washer **Universal MediLine** has been developed in response to the increasing hygienic requirements over the last years. As a result of the actual spread of dangerous viruses the hygienic requirements will be stricter in most areas, especially in the area of products for hospital supply.

The **Universal MediLine** is a result of the further development of the patented SL process, which was successfully launched into the international market in 2002.

One of the main features of the SL-principle was the operation of the continuous batch washer and the extraction press without any water recovery tanks. Thus the highest hygienic level in the world of continuous batch washers was reached. Therefore, the SL-machines were very popular for processing hospital linen.

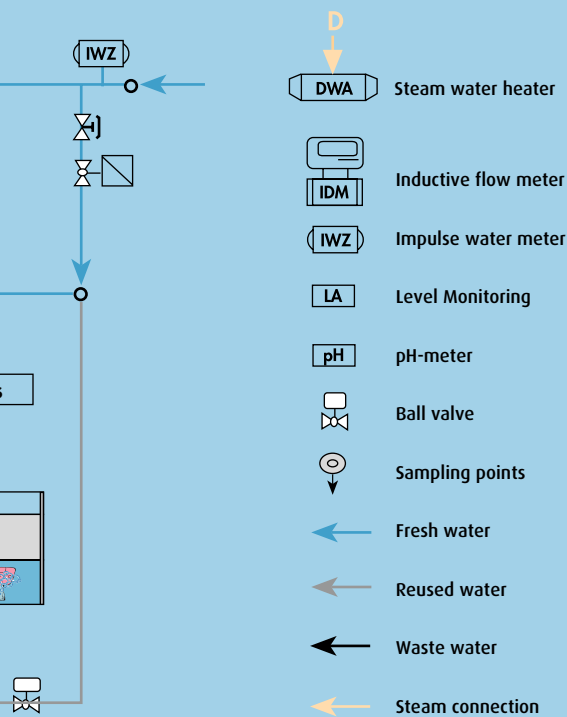
The **Universal MediLine** has in addition special technological features, which make the processing of hospital textiles unique in

Rinse water usage

- ① Cold rinse water from the post treatment compartment into compartment 1
- ② Warm rinse water from first rinse compartment into compartment 1
- ③ Warm rinse water from first rinse compartment for first bath exchange in compartment 3
- ④ Warm rinse water from first rinse compartment for second bath exchange in compartment 3

terms of the Medical Device Directive. According to this law the same regulations apply for processing re-usable textiles from the operating theatre as for the processing of surgical instruments. The Medical Device Directive is valid at European level.

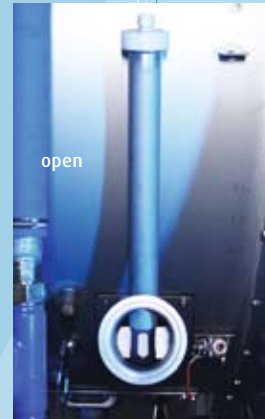
The **Universal MediLine** has obtained this verification successfully. Thus the UNIVERSAL MediLine is a unique machine of its kind classified to clean and disinfect category IIa medical devices according to the Medical



Drain valve with clamp closure and inspection window



Clamp closure for easy opening of components



Device Directive. A leading German hygiene test laboratory, which is accredited for the hygiene certification of continuous batch washers, has conducted the verification. Hence the **Universal MediLine** meets the highest legal hygienic requirements according to the Medical Device Directive. It is dedicated for processing not only ordinary linen but also especially reusable medical devices, such as textiles from the operating theatre.

In developing this machine attention was paid to keep the proven technology, low consumption of water and energy, as well as the high flexibility of linen processing in order to guarantee the highest extent of productivity and cost effectiveness.

Process

The **Universal MediLine** is based on the SL principle and operates with the proven bath exchange system with standing baths in the pre- and main-wash zone. This is a condition for high flexibility and very low operational cost.

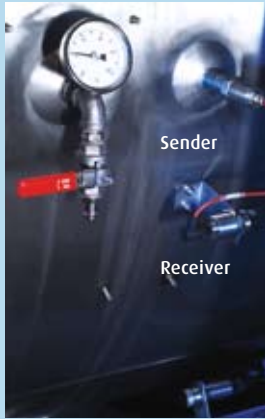
The **Universal MediLine** consumes, as well as the Universal SL, less water than conventional continuous batch washers with recovery tanks due to the precise and direct reuse of rinse water in the pre- and main wash zone. Through the direct water recycling the loss of energy, which is normally caused by using water recovery tanks, is reduced considerably. All water flows and volumes are precisely measured and controlled by inductive flow meters.

Each wash program has its own set of adjustable parameters, e.g. the bath level, the drum speed and the pivoting angle. In combination with the washboard-shaped eccentric helix (reg. pat.) and the high wash beaters a very effective mechanical action is guaranteed. Before long down times, the Medical Device Directive requires a thermal disinfection of the complete batch washer with the possibility to drain the whole system afterwards.

Therefore, the **Universal MediLine** possesses special programme routines in order to thermally disinfect the machine at the push of a button and to drain the whole system automatically afterwards.

Furthermore the volume of the recycled rinse water for the pre-wash is precisely dosed by inductive metering devices and the pre-programmed temperature is controlled accurately through a special transponder system. If the temperature of the wash liquor is higher, than the programmed value, an automated safety routine will be activated and colder fresh water will be supplied to the prewash zone, instead of the warm recycled rinse water. This way the coagulation of protein, e.g. blood on the linen is avoided.

Transponder System
for temperature logging



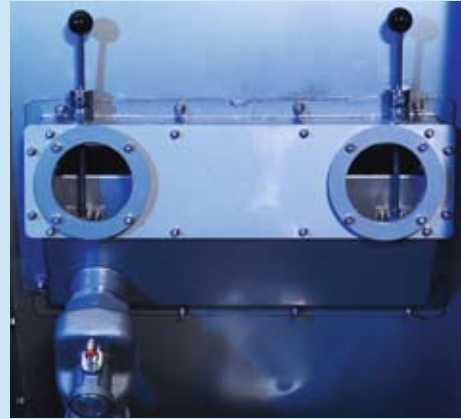
Housing for
measuring hoses



Sampling point



Overflow box
with inspection glass



Design Details

The **Universal MediLine** is unique and state of the art through precision engineering and specially developed software routines according to hygienic principles. Special attention has been paid to avoid an environment for bacteria growth. Thus all water pipes, valves and pump casings are designed and arranged in a way for being drained completely. With all these new features any standing moisture is avoided.

In order to provide excellent access to certain areas, inspection holes have been designed at the double drums and clamp closures on certain components such as on drain valves or brackets for pH- or conductivity sensors etc..

The entire pipe system is made of stainless steel; only the connections are designed flexibly with hygienically suitable hoses.

Also all connections of sampling points have been designed according to hygienic principles. There are no titration hoses, which are permanently connected to the drum, like on conventional machines.

To check the bath levels manually, hoses can be taken from a separate housing at the machine, instead.

Specially designed overflow boxes guarantee a simple cleaning and an optimal lint removal, which is of great importance especially for hospital linen.

The loading chute can be closed with an automatic stainless steel slider to avoid expelled moisture and the loss of thermal energy. The closing slider can be activated in accordance with the wash programs.

Machine versions

Modell **P 25-7/-16**

Hourly capacity (kg/h)* 350 – 800

Modell **P 36-7/-20**

Hourly capacity (kg/h)* 504 – 1440

Modell **P 50-7/-20**

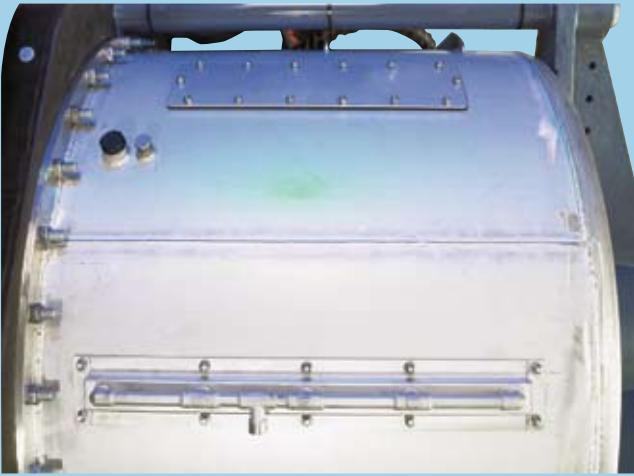
Hourly capacity (kg/h)* 700 – 2000

Modell **P 72-7/-14**

Hourly capacity (kg/h)* 1008 – 2016

* nominal loading and
30 minutes washing time

Centrifuge with cleaning
and inspection hatches



SL-Press in patented TopDrain-design



Extraction Unit

For the further processing of textiles from the operating theatre and hospital linen following the **Universal MediLine** the application of the SENKING Press in SL-version (without tank!) or the Centrifuge with extra hygiene features is highly recommended. SENKING presses have been manufactured in a patented hygienic design since 1994. This construction has been optimised also and sets new standards with the new Top Drain Design (pat. pend.) according to the hygiene safety. Both the centrifuges, which contain special features according to hygienic regulations and the presses, meet the requirements for processing textile Medical Devices.

- Only machine at state of the art, that meets the requirements of the Medical Device Directive
- Specially designed for processing textile Medical Devices
- Contains special programs to meet hygienic regulations
- Offers excellent access to specific areas of the machine for cleaning and inspection by using components with practical clamp closures
- Low maintenance
- Visualization of the wash process by a user-friendly Interbus control with industrial PC
- 100 freely programmable wash programs
- Interface possibilities to a local network (Ethernet)
- Integrated maintenance program and online help functions
- Equipped with an Ethernet connection for remote diagnostics by JENSEN service engineers
- The **UNIVERSAL MediLine** guarantees best hygiene with high flexibility, low media consumptions and excellent wash quality.



Installation

JENSEN is pleased to assist you in planning your laundry providing excellent consulting layouts and technical data. Authorized JENSEN distributors or JENSEN engineers should carry out the installation to ensure the correct performance.

Service

Built into JENSEN equipment is more than 40 years of experience of design, installation and maintenance of laundry systems for customers all over the world. In addition JENSEN provides an extraordinary aftersales service through a worldwide network of highly qualified distributors, all with their own maintenance and spare parts services.

Call us...

JENSEN provides a complete range of equipment to the heavy-duty laundries, delivered and installed according to your specifications. Please, do not hesitate to contact us for further advice and information, e.g. by paying us a visit at

www.jensen-group.com

Local Contact

www.jensen-group.com