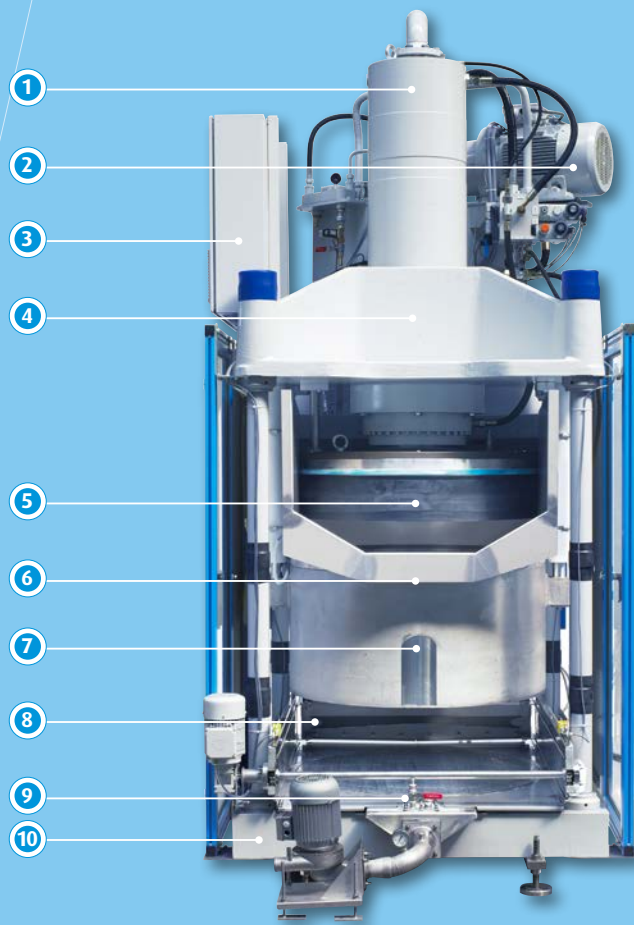




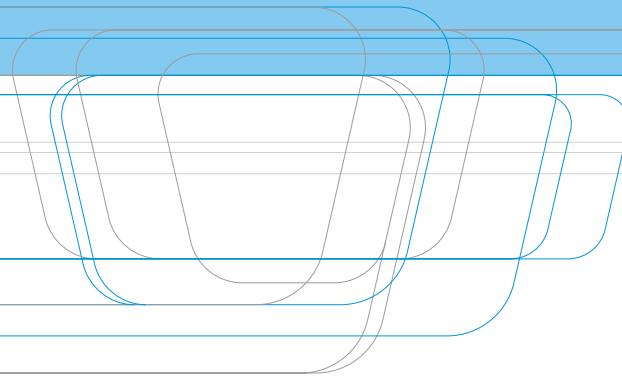
JENSEN Water Extraction Press SEPPlus

Most reliable, efficient and hygienic extraction performance for batch sizes of 36 to 120 kg





- ① Hydraulic cylinder for press ram
- ② Infinitely variable hydraulic pump
- ③ Electric control box
- ④ Top plate
- ⑤ Press cushion
- ⑥ Chute connection to tunnel washer
- ⑦ Press basket
- ⑧ Ejector (unloading pusher)
- ⑨ TopDrain-System (pat.)
- ⑩ Base plate



JENSEN Water Extraction Press SEPPlus

with patented TopDrain-System

Modern laundries require machines with very high productivity, lowest use of resources and best hygienic conditions. With the further development of the JENSEN water extraction presses, JENSEN has taken this into account and meets these requirements. The previous press design was completely revised and optimized. The result is the new generation press JENSEN SEPPlus. Through innovation, JENSEN sets new standards in the field of water extraction technology. The JENSEN know-how for this further development is based on more than 30 years of experience in the construction of presses and more than 2500 extraction units built (status 2015). Hardly any other manufacturer can benefit from such an extensive wealth of experience.

JENSEN presses now offer a variety of new developments which once again improve the efficiency, reliability, userfriendliness and



SEP 50 MD^{plus} in SL-design with patented TopDrain

- ① Press basket
- ② Ejector (unloading pusher)
- ③ Stainless steel drainage plate
- ④ TopDrain-System (pat.)
- ⑤ New post nut

durability. These new developments include an innovative screw connection of posts, an optimized cushion fastening, an electronic level control of the cushion with automatic refilling as well as a new software which offers an even better operation and an even more comprehensive data collection. Furthermore, the product range now includes an additional press size for linen batches of up to 120 kg. Just like the SEP 100 SHD, the SEP 120 SHD has a basket with a diameter of 1300 mm and reaches, in connection with a pressure of up to 57 bar, exceptionally low residual moistures. With the SEP 90 SHD, JENSEN was the first manufacturer to develop a press with such a large basket diameter. JENSEN has again set new standards in water extraction technology.

Design and Construction

Top plate and hydraulic system

The top plate of the press is made of extremely stable spheroidal graphite cast iron. This top part bears the hydraulic cylinder

and the hydraulic unit as well as the respective control. The hydraulic system includes an infinitely variable pump which is extremely low-wear and highly efficient, compared to conventional systems.

Innovative TopDrain-system

The base plate is made of a solid steel block and provided with a durable anticorrosive. The patented TopDrain-System is mounted onto this base plate. The TopDrain-System is a closed drainage system of stainless steel. The extracted liquor is fed into either a separate, easily accessible recovery tank or, if combined with a tankless JENSEN tunnel washer SL (pat.), directly back to the rinse process of the batch washer without the use of any intermediate buffer tanks. Standing water is avoided and an outstanding hygiene is guaranteed. The TopDrain-System also has extraction pipes with larger diameters which provide an even faster discharge of the pressed-out liquor. Thanks to this, even lower residual moisture values can be reached for

the press cakes. The stainless steel drainage plate can also be easily removed for cleaning.

Posts

The top plate and base plate are connected via four strong posts. For the SEP^{plus} a new post screw connection with special tensioning elements was developed. With this screw connection it is possible to reach a higher and more precise pretension. Furthermore, the corrosion protection of the posts and of the round nuts has been optimized by a teflonbased coating.

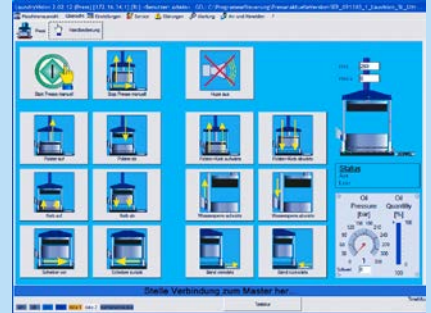
Press cushion

The press cushion is installed on the press plate by means of a new clamping device. The press plate is on the bottom end of the hydraulic cylinder. Thanks to the optimized geometry of the stainless steel clamping ring, the cushion is better supported and the lifetime of the cushion is thereby increased. The clamping ring also has a new outer coating made of an extremely stable

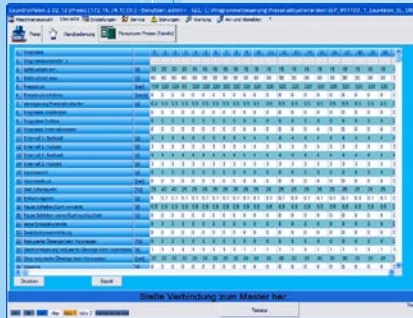
Touch panel with graphic display



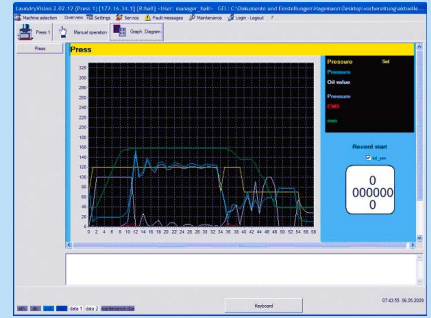
Main view



Manual operation



Overview of program parameters



Batch data collection (ScopeView)

synthetic material which improves the sliding properties within the basket. The position control of the press plate on the SEPPlus is infinitely variable. For this an innovative ultrasonic sensor is used. Thanks to a highly resistant hard rubber coating, the plate itself has optimal protection against corrosion.

The press cushion is made of wear-resistant special rubber and is filled with water. The concave shaped press base ensures best extraction results with the most gentle treatment of linen, even under high pressure. Furthermore, an electronic level control of the cushion with automatic refilling was developed for the SEPPlus to ensure optimum filling of the cushion and constant extraction results. Also the press cushion portfolio has been extended: The new optional 2K press cushion (patent pending) with its unique two-component rubber mixture offers even more individual adjustment to the customer requirements

and different applications. The two components have been adjusted perfectly to the differently affected functional areas of the press cushion which extend the lifetime of the cushion correspondingly.

Press basket

The press basket is made of solid stainless steel. For a reliable protection against deformation (for example, from jammed linen) JENSEN presses have a unique double safety system which consists of a photocell control on the loading chute and a patented strain gauge unit on the basket.

Ejector (unloading pusher)

The extracted press cake is unloaded via a stable chain-operated ejector made of stainless steel. The drive motor is frequency-controlled. The unloading of the linen cake is monitored by a special sensoric system.

Control

The modular PLC-control with industrial standard touch panel has been developed by JENSEN and provides staff with clear visualisation, programming and monitoring of the operating states. During the process, data such as cycle time, pressure, etc. are displayed in real time. It is also possible to individually program data including pressure build-up for example gradients, maximum pressure, set pressure times and interval cycles.

The press control also includes collection and graphical evaluation of certain machine and batch data, for example, pressure history curves.





New screw connection for post with special tensioning elements



Options

- Lateral unloading of the linen cake (on the right or on the left side)
- Stronger hydraulic system for higher pressing pressures onto the linen, up to a maximum of 57 bar (MD-/HD-version)
- SpeedExtract-design for best residual moisture values even with very short cycle times
- Pulsation damper in the hydraulic system for a reduced noise level of approx. 70 dB(A) (according to the respective design)
- Intermediate chute for installation behind existing tunnel washers
- 2K press cushion (patent pending) with its unique two-component rubber mixture

Advantages at a glance

- Outstanding hygiene thanks to the closed, easy to clean extraction system TopDrain (pat.) which effectively avoids standing water: JENSEN presses are the first and only presses in the laundry sector world-wide with an independent hygienic certificate.
- Possibility of direct liquor recovery without buffer tanks, for example, if the system is integrated in a JENSEN tunnel washer SL (pat.).
- Outstanding extraction performance by means of a fast, strong hydraulic system and large pipe diameters
- Very flexible control with 100 freely configurable extraction programs to meet the individual requirements of all types of linen. This enables a gentle handling of extremely sensitive linen.

- Hydraulic system with infinitely variable pump for highest operation safety and low noise levels
- User-friendly and reliable touch panel
- High protection against corrosion
- Compact and space saving design



Installation

JENSEN is pleased to assist you in planning your laundry by providing excellent advice, layouts and technical data. Authorised JENSEN distributors or JENSEN engineers should carry out the installation to ensure that it is performed correctly.

Service

In addition, JENSEN provides an extraordinary after-sales service through a worldwide network of highly qualified Sales and Service Centres and distributors, all with their own maintenance and spare parts services.

Call us...

JENSEN provides a complete range of heavy-duty equipment for the laundry industry, delivered and installed according to your specifications. Please do not hesitate to contact us for further advice and information, or visit www.jensen-group.com

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