Top quality execution and materials

The steam chamber housing in stainless steel execution is resistant against chemicals, usually used in the printing industry. Any possible steam leak losses are minimized by the web entry- and exitslides. The robust and most durable designed loop building device is computer controlled and allows unvaryingly aligned loop lengths from 500 up to 2800 mm.

The Modus Steamer has a low steam consumption, ensuring a water drop free operation. Simple handling, low noise level and easy maintenance are additional important advantages of the Loop Steamer MODUS.

Functionality

A measuring device for pre-defined oxygen content is incorporated in the system. Hot air polymerizing modus functionality thanks to the Air Recirculation system. AC Drives for exhaust and circulation units. Speed variable AC Drives for the fabric conveying system.

Application examples

<table>
<thead>
<tr>
<th>Fibres</th>
<th>Dyestuff</th>
<th>Steaming Modus</th>
<th>Temperature</th>
<th>Treating Time</th>
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<td>Cotton viscose</td>
<td>Reactive Vat-Judanthene</td>
<td>Saturated</td>
<td>102°C - 104°C</td>
<td>10 - 12 min.</td>
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<tr>
<td></td>
<td>Pigment</td>
<td>Hot Air</td>
<td>160°C</td>
<td>5 - 6 min.</td>
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<tr>
<td>Nylon</td>
<td>Acid</td>
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<tr>
<td>Polyester</td>
<td>Disperse</td>
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<td>10 - 12 min.</td>
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<tr>
<td>Silk / Wool</td>
<td>Acid</td>
<td>Saturated</td>
<td>102°C - 104°C</td>
<td>15 - 30 min.</td>
</tr>
</tbody>
</table>

Fibres

- Reactive Vat-Judanthene
- Pigment
- Acid
- Disperse
- Acid

Dyestuff

- Saturated
- Hot Air
- Saturated
- Superheated
- Saturated

Temperature

- 102°C - 104°C
- 160°C
- 102°C - 103°C
- 170°C
- 102°C - 104°C

Treating Time

- 10 - 12 min.
- 5 - 6 min.
- 20 - 30 min.
- 10 - 12 min.
- 15 - 30 min.
The new Loop Steamer for your textile prints, developed by Zimmer Austria. This steamer for printed textiles has been designed to facilitate the fixation of dyes in a continuous process onto any printed fabric. This Modus Loop Steamer enables to obtain excellent quality of finishing results in brilliant colours while saving a lot of energy.

With the new Loop Steamer MODUS by Zimmer Austria, your textile prints are being aftertreated even more professionally. Enhanced colour yield improves textile prints of all type of fibres and weights for excellent finishing results and brilliant colours. Exactly reproducible temperature and humidity values are helping to save energy.

The Modus Loop Steamer renders the following applications:
- Saturated steam modus (102°C to 105°C)
- Superheated steam modus (160°C to 180°C)
- Hot air polymerizing modus (160°C to 180°C)

**Working Width (AB)**  
mm  
2000, 2600, 3000, 3400

**Fixation Time**  
min  
5 - 40

**Loop Length**  
mm  
500-1800  800-2800

**Superheating Capacity**  
KW  
ca. 140 KW per zone

**Numbers Of Zones**  
1 1 1 2 3 4

**Cloth Capacity**  
m  
60 80 140 240 340 440

**Length (L)**  
mm  
4200 5500 5500 8000 10500 13000

**Max. Mechanical Speed**  
m/min  
25 30 50 60 70

**Average Steam Consumption**  
kg/h  
200-400 400-600 600-800 1000-1200 1200-1400

**Electrical Installation**  
KW  
14 16 24 32 38

Simplified operation
The Loop Steamer MODUS simplifies your maintenance and daily use. The illuminated window allows regular optical control of the function sequences during the production. Any deviations of measures will be recognized and can be validated rapidly with the computerized control system. Additionally, large hatches and the walkable inside floor allow convenient maintenance. Downtimes are minimized and production accelerated. The operation is alleviated by the clearly structured operation panels placed at both ends of the machine.

Inside view
The water for the steam saturation is being conducted by an injection system. For the superheating modus the steaming machine is equipped with an efficient re-circulation system and heat exchanges, using either thermostif or gas fire system.

Central automation PLC
The daily use is simplified thanks to the computerized control system. Functionality sequences may be controlled continuously on the illuminated touchscreen panel, even during the production cycle. Any possible deviation of data is being detected immediately and corrected accordingly.

Working Width (AB)  
mm  
2000, 2600, 3000, 3400

Fixation Time  
min  
5 - 40

Loop Length  
mm  
500-1800  800-2800

Superheating Capacity  
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m/min  
25 30 50 60 70

Average Steam Consumption  
kg/h  
200-400 400-600 600-800 1000-1200 1200-1400

Electrical Installation  
KW  
14 16 24 32 38

The Loop formation device is computer controlled, for automatic loop length adjustment from 500 mm to 2800 mm.

Loop transportation rods are either in stainless steel execution or with special surfaces.