Modular hot air vulcanisation channel designed for vulcanising flexible profiles and hoses.

High total process lengths may be achieved over short machine lengths by multiple deflection of the profile.

HLK 106
Three-belt hot air vulcanisation channel on three levels without water cooling.

HLK 114
Three-belt hot air vulcanisation channel on three levels of the machine with additional cooling on two separate levels.

MACHINE HIGHLIGHTS

- Effective machine lengths of 9 - 21 m
- Natural gas heating LNG/LPG as per Euro standard
- Production speed up to 40 m/min
- Temperatures adjustable from 180 °C to 340 °C
- 2 lateral inspection covers per 3 m module
- 3 belts for hot air vulcanising
- 2 belts for the cooling level
- Integrated heat exchanger
- Flexible application in production
MACHINE DATA HLK 106 and 114

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective machine length</td>
<td>9-21 m</td>
</tr>
<tr>
<td>Vulcanisation length</td>
<td>27-63 m</td>
</tr>
<tr>
<td>Profile pass-through aperture height</td>
<td>50 mm *</td>
</tr>
<tr>
<td>Profile pass-through aperture width</td>
<td>100 mm *</td>
</tr>
<tr>
<td>Machine clearance height</td>
<td>1000 mm *</td>
</tr>
<tr>
<td>Production speed, max.</td>
<td>40 m / min *</td>
</tr>
<tr>
<td>Gas heating</td>
<td>LNG/LPG EU standard</td>
</tr>
<tr>
<td>Burner power per 3 m zone</td>
<td>90 kW</td>
</tr>
<tr>
<td>Electrical connection</td>
<td>240/400 V, 3 Ph, 50 Hz, PE+N*</td>
</tr>
<tr>
<td>Compressed air connection</td>
<td>7 bar</td>
</tr>
<tr>
<td>Machine version</td>
<td>CE standards, DIN standards</td>
</tr>
</tbody>
</table>

MAIN STANDARD EQUIPMENT

- Zone heating each 3 m zone: yes
- Temperature modulation: 180 °C to 340 °C
- Number of conveyor belts: 3
- Number of separate conveyor belt drives: 3
- Automatic linked speed control of the 3 conveyor belts: yes
- Conveyor belt width: 150 mm
- Belt deflection control for each conveyor belt: yes
- Driven profile pull-off roller: yes
- Horizontal profile guide rollers at infeed and outfeed: yes
- Fire extinguishing nozzles per zone: yes
- Number of inspection covers per zone: 2
- Inspection cover operation: pneumatic support
- Air locks at infeed and outfeed of the channel: yes
- Main extraction fan: yes
- Main electrical switch cabinet: yes
- PLC control: Siemens S 7-300
- Touch display: Siemens*

CONFIGURATION OPTIONS

- Integrated heat exchanger G160 for recovery of exhaust air thermal energy
- Two level cooling zones with spray cooling and two separate conveyor belts, Type 114
- Profile surface temperature measurement at the channel outfeed
- Spark sensors for fire prevention
- Other options on request

Gerlach Maschinenbau GmbH
Berger Feld 3-5
D-41334 Nettetal

Phone: +49 (0)2153 7372-60
Fax: +49 (0)2153 7372-90
E-mail: info@gerlach-machinery.com

www.gerlach-machinery.com