# The G-WASH 174 IN-LINE installation will take care of the processes washing, decoating and degreasing


G-WASH 174

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# G-WASH 174
# Wasing and decoating

Control terminal


Option K1


Nozzle

**Summary of the most important advantages:**

- Completely closed washing chambers
- No emission of solvents and chemical vapours during the washing process
- Loss of solvents and chemical products is reduced to an absolute minimum
- The modular construction ensures highest flexibility
- Can be retrofitted with feeder technology

**Loading module**
- Directly after the printing process, the screens of various sizes can be loaded onto the loading track. The loading length is adjustable so that several frames can be accommodated at the same time.
- The belt conveyor starts automatically as soon as the desired programme has been started.

**Washing chamber**
- The screens are washed by means of spraying nozzles of stainless steel arranged on both sides.
- The solvent, which has to guarantee a flash point of >55°C/131°F, is continuously recycled. It is essential to make sure that the cleaning chemical, a product combined from several components, is exactly adapted to the individual requirements of the user.

**Intermediate rinsing**
- In this process, the solvent is washed out. This step is necessary in order to allow the subsequently used decoating chemicals to have an optimal effect. The screens are rinsed by means of high-pressure spraying nozzles of stainless steel arranged on both sides.

**Chemical decoating**
- The decoating chemical is sprayed onto the screens by means of chemical nozzles made of stainless steel and arranged on both sides.
- The soaking time can be programmed, depending on the chemical used.

| | | | |
|---|---|---|---|
| Screen frame size | SB Screen width | mm | 1500 - 5000 |
| | | inch | 59 - 197“ |
| | SH Screen height | mm | 1400 - 2400 |
| | | inch | 55 - 94“ |
| | Frame profile thickness | mm | 30 - 55 |
| | | inch | 1 - 2“ |
| Index of options | F Filter system<br>G-WASH 190 Feeder | | |
| Energy supply | 3 x 400 V / 3 x 220 V / 50-60 Hz | | |
| Compressed air | Connection value | Bar | 6 |
| Water consumption | Connection value 4 Bar | Lt/min. | 25 |
| Permanent sound pressure level | | dB (A) | < 85 |

**High-pressure decoating**
- In the high-pressure decoating process the screens are decoated by means of high-pressure spraying nozzles of stainless steel.
- The high-pressure water is completely re-used in a closed circuit system (100% recycling).
- It is topped up with fresh water from the last final rinsing process.

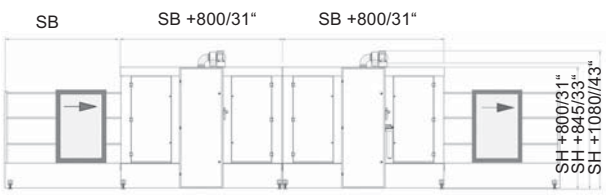
**Chemical degreasing**
- The degreasing chemical is sprayed onto the screens by means of chemical nozzles made of stainless steel and arranged on both sides.

**Final rinsing**
- At the end of the high-pressure decoating process, the screens are rinsed with 100 % fresh water. The screens are washed by means of low-pressure spraying nozzles of stainless steel arranged on both sides.

**Unloading module**
- After the cleaning process is completed, the screens are automatically forwarded onto the unloading track from where they can be removed.

**Option F (filter system)**
- A separate filter system is available for the washing chamber. According to the requirements, the chemical cleaning product is automatically removed from the tank, pumped through the filter system and mechanically cleaned. The thus collected mud can then be eliminated.

**Option G-WASH 190 (Feeder)**
- Upon request, the G-WASH 170 installation range can be equipped with feeders allowing an automatic loading and unloading process. These feeders accommodate 10 screens and can also be used as screen carriages with the G-DRY 590 vertical drying cabinet or the G-COAT 421 automatic coating machine.




The machine answers the requirements of the EU guidelines for machinery (CE-conformity).

Technical data subject to change without notice

All measurements in mm/inches

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