H 501/D

Friction Smoke Generator

Mild smoke in a healthy environment
Mild smoke for exquisite products

The VEMAG Friction Smoke Generator H 501/D supplies you with distinctive but mild tasting smoke. The friction wheel is optimised for intensive generation of smoke and the special air feed arrangement of the H 501/D ensures short smoking times both for hot smoking installations up to 4 trolleys and also for climatic installations up to 30 trolleys. With the hopper for wood beams and the automatic changeover capability you have the facility for continuous production even for long smoking times or overnight. The friction smoke generator is economical in use of smoke material, since it uses it up completely and in an optimum way. The integral smoke filter ensures that chips, sparks and soot are prevented from reaching your products. It operates quietly and energy-efficiently. The H 501/D can be operated continuously in recirculation mode. This saves you the cost of exhaust air cleaning.

Reliability in industrial operation

On starting the friction wheel smoke is always available immediately. The pneumatically actuated grippers with their multiple engagement ensure reliable chip conveying, which the control system also monitors. The hardened friction wheel of special steel has a particularly long working life. Smoke generation in the friction chamber is completely separate from the wood beam transport mechanism, which is thus not exposed to dirt and does not suffer consequential malfunctions. In addition, regular cleaning is particularly quick and easy to perform.

Consistent results surely produced

The H 501/D produces smoke which always remains consistent, irrespective of the quality of wood or its moisture content. This automatic operation gives you the assurance that the same results are achieved in every cycle. The full smoke output is generated within a few seconds, giving very good reproducibility from batch to batch. The H 501/D satisfies all relevant safety regulations.

Flexible connection to the control system

The H 501/D is fitted with a user-friendly compact control system. This allows operation in two modes. In manual mode it operates fully independently. In automatic mode it is fully integrated into the operation of VEMAG Hot Smoke or Climatic Installations.

The equipment

- Automatic wood beam feed
- Feed rate control for wood chips
- Hopper for wood beams
- Automatic changeover of beams
- Hardened friction wheel
- Spray jets for friction wheel and filter
- Compact control system in a separate control cabinet
- Test book

Technical data

- Smoke material:
  - Beech or oak wood beams
    - 80 x 80 x 1000 mm
- Electrical connection:
  - 5.5 kW
  - 400 V, 50 Hz, 3~, 25 A
  - Other voltages on request
- Compressed air connection:
  - 8-10 bar
  - Hose D 8 x 6
- Compressed air consumption:
  - 6 l/h
- Water connection:
  - 3-4 bar
  - Hose nozzle DN 12
- Water consumption:
  - 5 l/h
- Water drain connection:
  - R 3/4 *
- Smoke connection:
  - 2 x DN 125