



First picture: Mounting of Termikfil
Second picture: Integrity test with Emery

TERMIKFI 2 000

A STERILIZATION TUNNEL ACHIEVES COMPLIANCE THANKS TO TERMIKFI 2 000

Building: CENEXI, pharmaceutical laboratory, in Fontenay sous Bois (France)

Systems: 4 sterilization tunnels

Situation:

The filters already in the sterilization tunnels don't meet the ISO 14644-3 requirements, which have a 10⁻⁴ targeted leak rate.

The solution:

Camfil's advice is to replace the current tunnels by its specific solution for sterilization tunnels: Termikfil 2 000. These very high efficiency panels are

resistant up to 350°C (662°F) in continuous service.

To reduce fume emission when starting up, Termikfil 2 000 undergoes a specific procuring cycle in the factory at 300°C (572°F) using an exclusive process. Its efficiency is verified after this process. Before being placed in the tunnel, each Termikfil 2 000 is covered with a compensation frame. The Termikfil 2 000 and its compensation frame are carefully slid on the two frames already on the gasket seat.

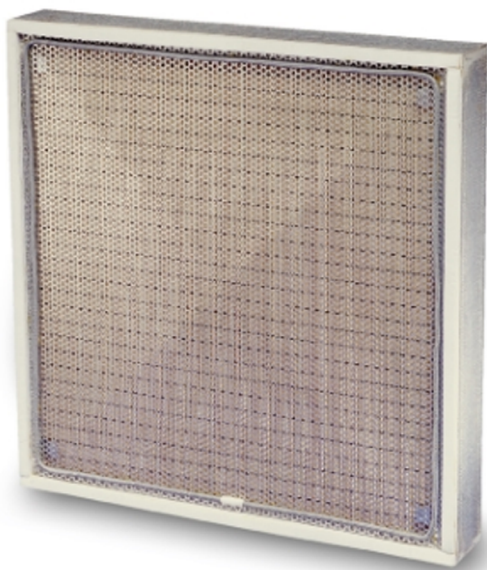
Camfil created a specific development which is adaptable to each tunnel.

The proof:

The integrity test with Emery, realized with a hot generator, allows qualifying the filters, under and around each filter's grid, to the ISO 14644-3 standard. Two tests are conducted: the first one before the filter's commissioning and the second one after this procedure which includes the filter's firing. Penetration: <0.01% according to the ISO 14644-3 standard.

Customer's benefit:

According to Fabien Perraut, in charge of the equipment for sterile liquids at CENEXI "Because our sterilization tunnels, thanks to Termikfil, complied with the new standards, we can continue our business".



Facts on Termikfil 2 000

Termikfil 2000 is a high-temperature HEPA filter that complies with the most stringent FDA GMP* requirements. Incorporating a unique floating component design, Termikfil maintains integrity and rated performance values in applications with extremely high temperatures.

- Meets FDA requirements
- Maximum continuous operating temperature 350°C, efficiency 99,99% at 0,3 µm
- Ceramic frame
- Exclusive precuring process at 300°C carried out in the plant
- Efficiency tested after precuring