

C-ERV 446

Slim heat exchanger for many possible applications

Description

The C-ERV 446, with its aluminum housing, meets the highest demands in terms of quality, performance, and lifetime, similar to the established C-ERV 366. Our unique channel design ensures maximum efficiency. The special membrane allows the transfer of humidity. The C-ERV 446 differs mainly in its standard dimensions and was developed to fulfill customer requirements.



Product benefits

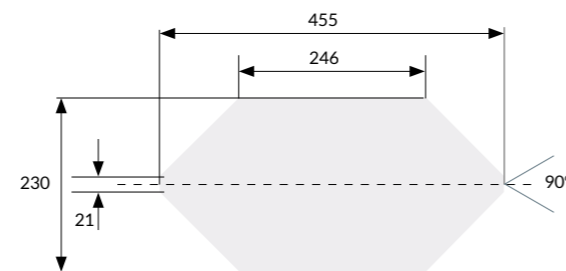
- Manufactured using a mold and bacteria resistant, cleanable polymer membrane
- Option: Ribs
- Available heights: 50 - 500 mm (in 5 mm steps)
- Leakage: <1% of nominal flow rate, 100% leakage tested
- Material resistance: -20 °C - +50 °C

Standards

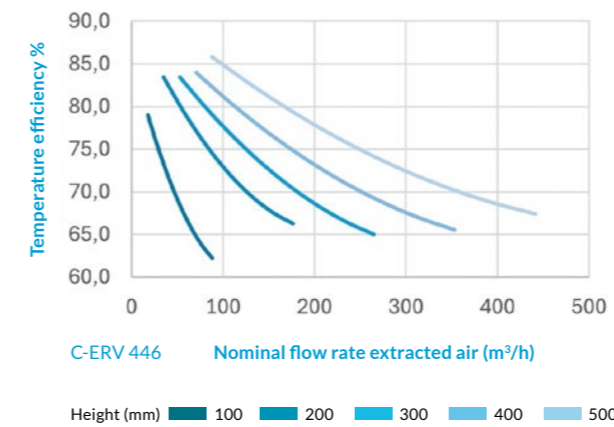
- Hygiene Standard
VDI6022 sheet 1 (01/2018)
ÖNORM H6021 (01/2023)
SWKI VA104-01 (01/2019)
- Fire Standard
DIN EN 13501-1 (Class E)
Test method EN ISO 11925
- Quality Management
DIN ISO 9001: 2015



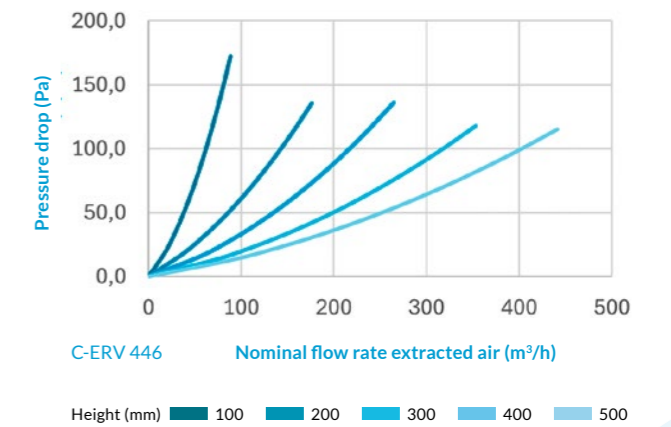
Product dimensions (mm)



Temperature efficiency

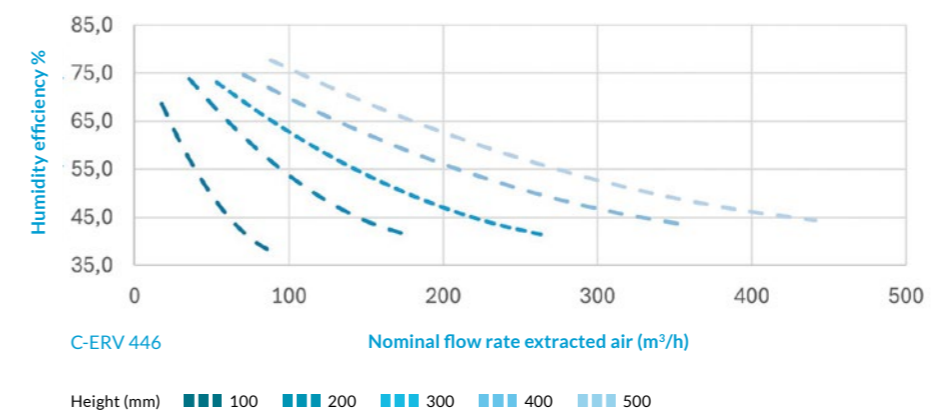


Pressure drop



Based on test conditions following NEN-EN 308:2022 (intake air: temp. 5 °C, humidity 70%; extracted air: 25 °C, humidity 50%)
Calculate your specific conditions with our CORE Online Calculator.

Humidity efficiency



Weights (kg)

Typ	kg
ERV446-H100-S	2.43
ERV446-H200-S	4.47
ERV446-H300-S	6.41
ERV446-H400-S	8.41
ERV446-H500-S	10.85