



SIRIUS
Chimney Cap



Smoke Draft Regulation and Protection

With its very successful and unique design, the Sirius chimney cap adorns any roof. Following the motto "Form follows function," its functionality is more important than its form: The guide body mounted between the upper louvers primarily makes Sirius an optimal smoke draft regulator.

Equally important, it protects the fireplace from rain, snow, and ice.

The louvers and guide body are aligned in such a way that the chimney opening always stays dry.

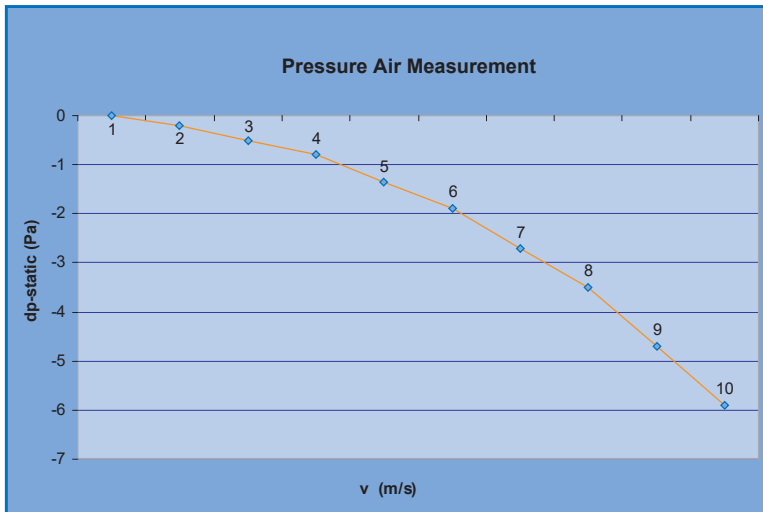




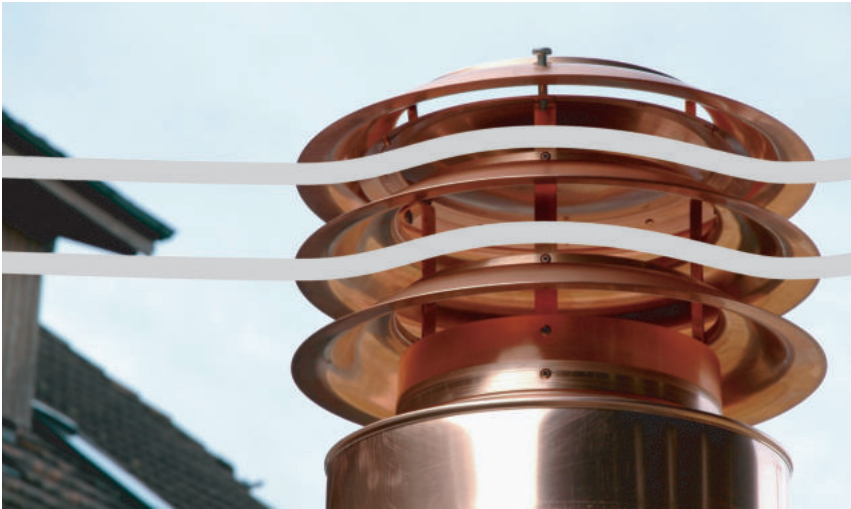
—— Guide body

with general appraisal
certifictce by TÜV

The core of this system is the guide body, which directs and controls the airflow above the chimney. The airflow is always uniform on both the upper and lower convex sides of the guide body. Even in gusty conditions or during turbulence, laminar flow is maintained, resulting in ideal airflow conditions above the chimney. Without this feature, achieving a balanced and measured draft would not be possible.



The wind tunnel test results show resistance values that exceed all expectations. The guide body mounted between the upper louvers takes over the complete control of the flow conditions in and above the chimney. The air is thus directed into a laminar flow, effectively keeping the ascending smoke under permanent control. This controlled flue gas draft has a balancing effect on the fire source (fireplace, burner, etc.), thereby reducing energy consumption.



Swiss Quality Product

When the Sirius chimney cap is used in a heating system, for example, the following advantages arise:

- *The boiler efficiency noticeably improves
- *The on-off cycles increase with shorter burn times per cycle
- *The chimney temperature rises more quickly after the burner starts
- *The fluctuations in the hot water supply temperature and return temperature are less pronounced
- *Better combustion reduces pollutant emissions

The SIRIUS Models at a Glance



Sirius Type XR

with round cross-section
available in nominal widths 100 - 350 mm



Sirius Type XE

with square cross-section and 50 mm flange
available in nominal widths 125 - 350 mm

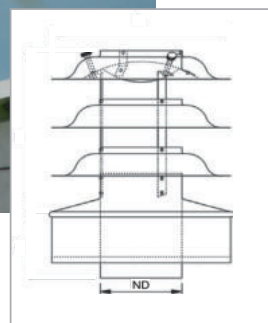


Sirius Type XM

with round cross-section, with finishing frame
available in nominal widths 125 - 350 mm



The Sirius Chimney Cap is available in the following materials: Copper, Stainless Steel, Aluminum and Copper-Titan-Zinc.



Dimension table for the Sirius Chimney Cap Type XM
 Optionally available with 30 mm, 50 mm, or 80 mm insulation

Nominal diameter	30 mm Insulation (ND + 75 mm)	50 mm Insulation (ND + 115 mm)	80 mm Insulation (ND + 175 mm)
Ø 125	125/200	125/240	125/300
Ø 150	150/225	150/265	150/325
Ø 175	175/250	175/290	175/350
Ø 200	200/275	200/315	200/375
Ø 225	225/300	225/340	225/400
Ø 250	250/325	250/365	250/425
Ø 300	300/375	300/415	300/475

