

Chimneys for exhaust systems

Cooling air chimneys

The cooling air chimney contains a ventilation and non-return flap as well as 2 measuring points which can either be optionally equipped with measuring instruments or used for own purposes. The chimney can be insulated on the outside. Depending on the operating conditions and use of the cooling air, which can also be used for heat recovery, it may be necessary to equip the system with an additional chimney cooling air fan to mix cold ambient air into the clean hot cooling air. Therefore, a connection of this optional system via the non-return flap is provided.

All chimneys are offered in a standard construction height of 6 m, with the possibility of an extension to 9 or 12 m.

Standard executions

Please note that each system requires an individual configuration. Therefore, examples cannot be used for planning purposes, but only serve as rough information. We always calculate your system individually according to your specifications and requirements.



| | | |
|---------------------------|---|---------------------|
| Materials: | Depending on media Carbon and stainless steel of various classes | |
| Construction height: | 6, 9, 12 m | (others on request) |
| Diameter: | 355.6, 508, 559 mm | (others on request) |
| Wall thicknesses: | Determined by design | |
| Gas measuring connection: | Up to 6 pieces | |
| Insulation: | External insulation possible | |

TYPE SICF 200-S – SICF 1000-S

(Non-binding, depending on the final configuration)

| Plant type | SICF 200-S | SICF 300-S | SICF 400-S | SICF 500-S | SICF 600-S | SICF 800-S | SICF 1000-S | |
|-------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------|
| Size | 508 | 508 | 508 | 559 | 610 | 630 | 710 | [mm] |
| Design temperature min. | 440,9 | 433,3 | 421,9 | 439,5 | 446,4 | 479,8 | 459,2 | [°C] |
| Material | Heat-resistant carbon steel | Heat-resistant carbon steel | Heat-resistant carbon steel | Heat-resistant carbon steel | Heat-resistant carbon steel | Heat-resistant carbon steel | Heat-resistant carbon steel | |