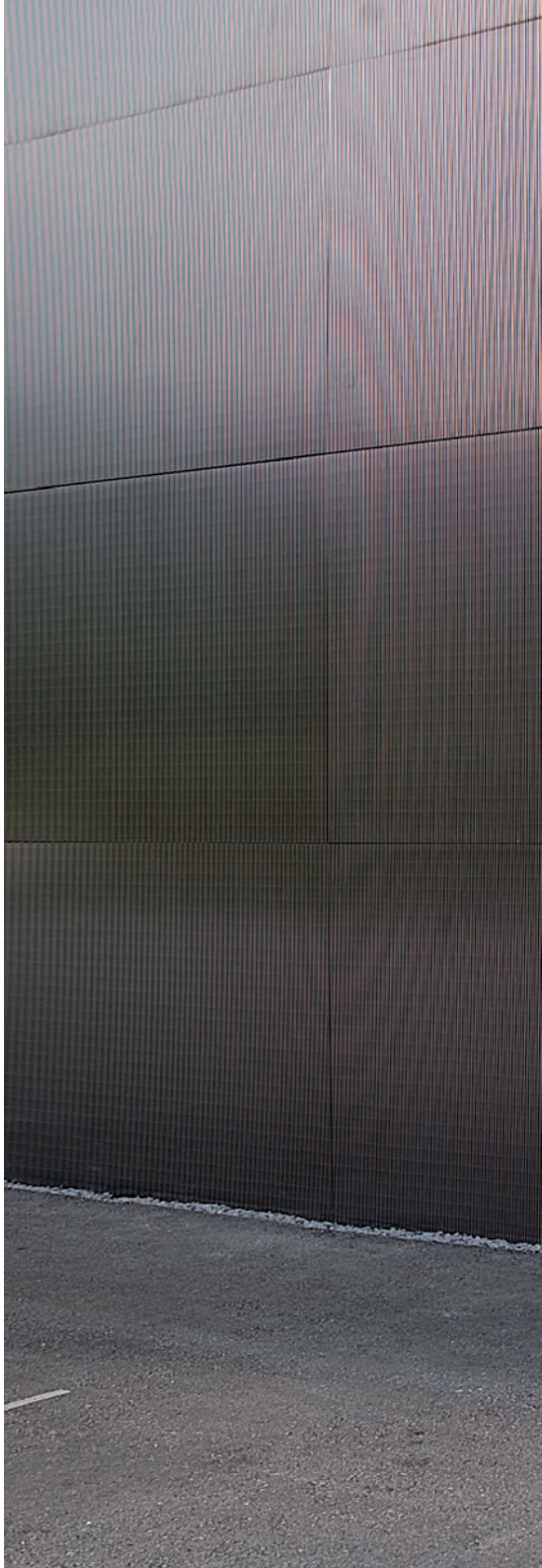
VENTILATION TOWERS

SÜDLUFT ventilation towers prove that functionality and imposing design can co-exist. SL-SFERA introduces a new dimension in building planning.

Ventilation towers harmoniously integrated into the overall architecture – or as an accentuating, independent “artwork”. A shining enhancement of design possibilities in the truest sense of the word. The use of geothermal power is interesting from an energy perspective.



DMG-Europe, Klaus (A)

SL-SFERA - THE VENTILATION TOWER

IMPRESSIVE DESIGN ELEMENTS, IMPRESSIVE FUNCTIONALITY.

Whether ascending external walls, enthroned on the roof or an eye-catching feature on company premises, inside and outside, with SL-SFERA you can create unmistakeable architecture and landmarks visible for miles around. The inner workings of the SL-SFERA towers impress through their technology, low-maintenance and longevity. SL-SFERA: Ventilation towers that aren't too good to be true!

SL-SFERA has all the hallmarks of a good external and exhaust air tower. Including more than 30 years' product experience, tried-and-tested materials and excellent manufacturing quality. Available in stainless steel or normal steel, with or without lamellae. The technical design of the ventilation towers guarantees excellent ventilation performance without disruptive noise. Verifiable statistics pursuant to DIN are available for all requested load scenarios.

Design, functionality and quality from SÜDLUFT – an all-round success!

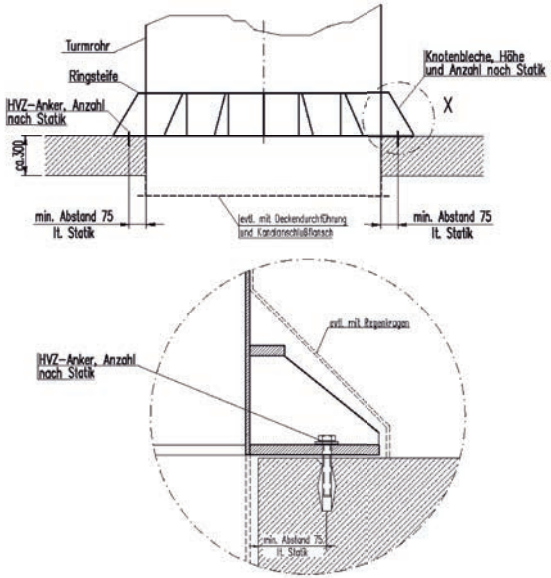
Eurospar, Bludenz (A)

VENTILATION TOWERS

LSE, Graz (A)

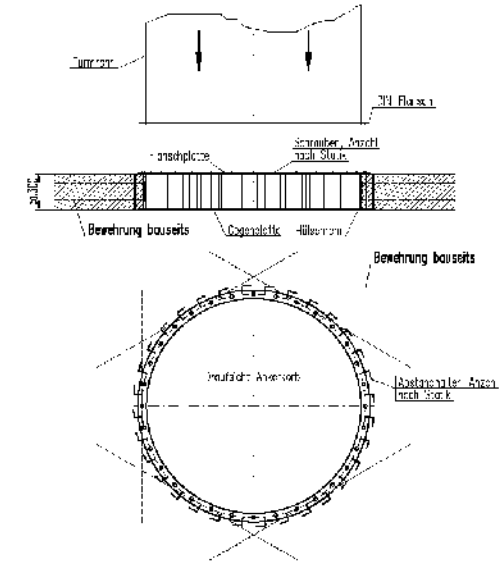
Office building, Berlin

TECHNICAL BASIC DATA



MOUNTING VARIANTS:

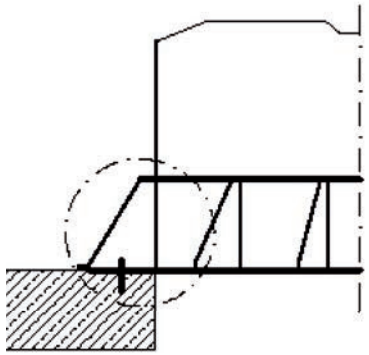
Standard mounting with HV anchor pegs screwed into concrete ceiling or concrete foundations



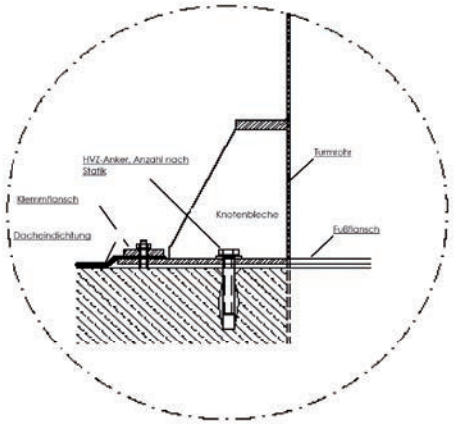
Standard mounting with concrete-encased anchor cage in 1.4301 or galvanised S235

SEALING VARIANTS FOR VENTILATION TOWERS - MOUNTING ON CONCRETE CEILING

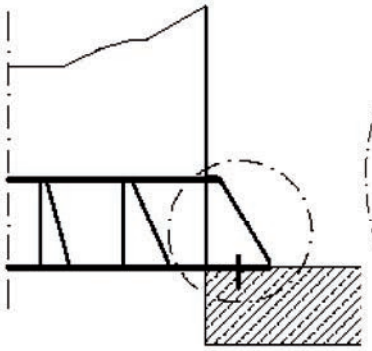
Variante 1:



Einzelheiten:



Variante 2:



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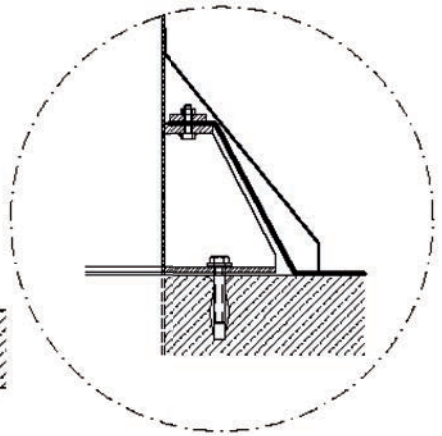


VENTILATION TOWERS

External and exhaust air towers are construction products according to Buildings Rules List “A” Part 1 2012/1 No. 4.10.2. The “Technical Rules” stipulated therein must comply with the applicable regional building regulations. Planning, dimensioning, design and manufacture are performed exclusively using eurocodes.

They are only marketable and may only be used if they are furnished with a CE mark of the manufacturer pursuant to DIN EN 1090.

CE

2451

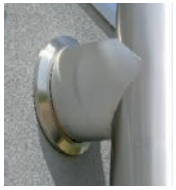
Südluft Systemtechnik GmbH & Co. KG, Plattling

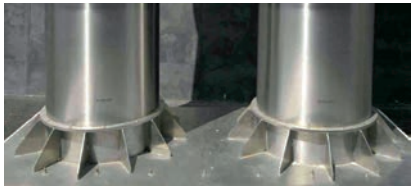
14

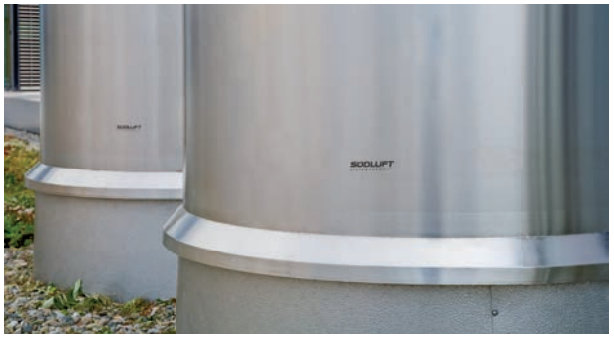
2451-CPR-EN1090-2013.0304.001

EN 1090-1

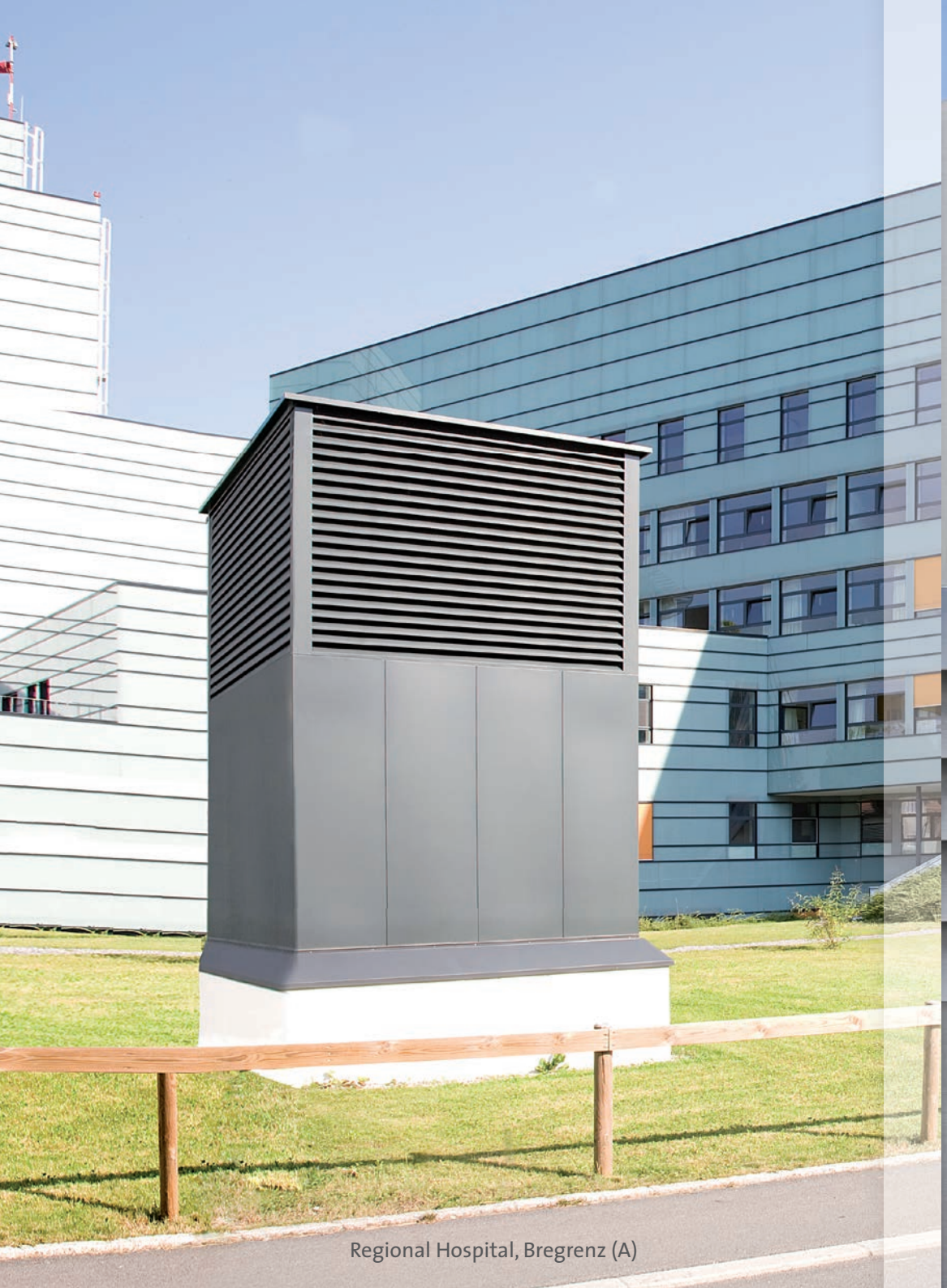
SL-SFERA ventiliation chimney
Südluft Systemtechnik GmbH & Co. KG, Plattling,
Robert-Bosch-Straße 6
Geometric tolerances: EN 1090-2 / Class 1
Weldability: 1.4307 in accordance with EN 10088-2
Fire behaviour: Class A1 rated material
Release of Cadmium: KLF
Release of radioactive radiation: KLF
Durability: Surface preparation in accordance with EN1090-2, preparation grade P1
Load capacity: Measurement in accordance with DIN EN 1993-3-2 and DIN EN 1991-1
Manufacturing: In accordance with component specifications and EN 1090-2, execution class EXC 3







SL-SFERA ventilation towers are may only be used for their intended purpose i.e. conducting fresh air and uncontaminated exhaust air without increased temperature or extracting smoke with increased temperature.



Regional Hospital, Bregrenz (A)

Police barracks, Waldeck

Triple sports hall, Altötting

Red Bull, Fuschl (A)

Lindner, Wals (A)

Eurospar, Bludenz (A)

VARIANTS

Tower roof Type T1
5 - 45° bevel

Tower roof Type T2

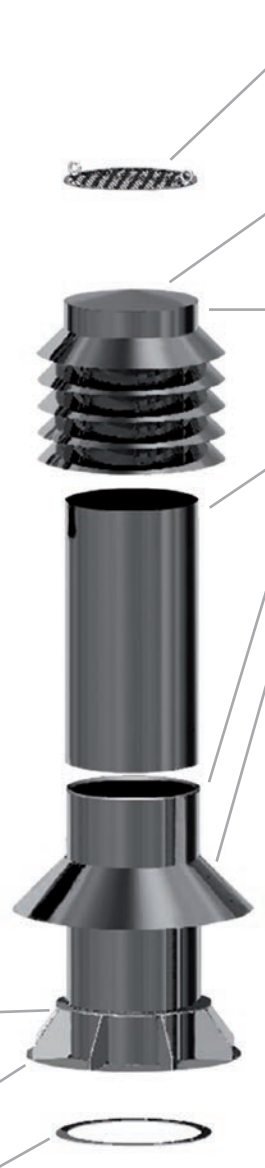
Lamellae head
LB/45°
Tower tub lamellae
H = 50 - 150 mm

Lamellae head
LB/45°/B
Tower pipe lamellae flush with vertical cover

Inspection doors

Trim ring for sealing film (optional)

Mounting variants:
- with mounting flange
- with DIN flange + anchor cage



Tower open at top (for exhaust air) protected by removable bird protection screen. Lamellae head is omitted or performed “blind” (optic)

Tower roof Type T3 tapered

Lamellae head L/45°, tower pipe lamellae protruding H = 50 - 150 mm

Static load-bearing tower pipe available in welded or screwed design

Height-dependent flange division

Rain cap (optional)

Water inhibitor with combination of vertical connector and exhaust air (open at top)

Condensation base with combination of lateral connector and exhaust air

Available with lateral connector and square connector

GEOTHERMAL ENERGY TOWERS

INTAKE TOWER FOR GEOTHERMAL ENERGY

Specially designed for fresh air intake of geothermal systems, with highest ventilation and acoustic requirements. Variable connection possibilities to all geothermal systems.

ACCESSORIES

- Connector junction for HT pipes
- Replacement filter mat, filter class G3
- Velcro strip to mount filter
- HVZ anchor for tower mounting
- Stainless steel care products

Laser-cut filter basket for holding the filter mat. This is mounted using clamping rings or Velcro strips. Below with sealing strip – thus no suction of unfiltered fresh air possible.

Name	AF	Lam.	Filter ring	ΔP Filter	ΔP Total
EWT-260	0.17 m²	1.23 m/s	6 m/s	30	50
EWT-330	0.27 m²	1.49 m/s	4 m/s	35	65
EWT-415	0.36 m²	1.8 m/s	5 m/s	35	65
EWT-520	0.47 m²	1.73 m/s	4 m/s	35	65