

Supply air/exhaust air towers

■ Circular supply air/exhaust air tower SP

Application

Towers SP are designed for supply and exhaust of air from rooms.

Description

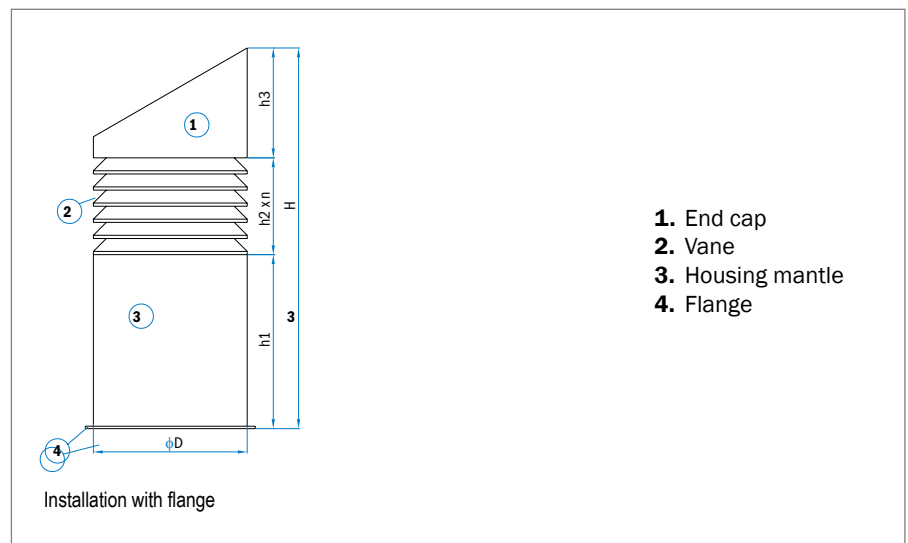
They are available in circular version. They consist of three parts:

- **Housing mantle** with attached flange or special connection
- **Vane** is fitted at any height and under any inclination. Number of blades depends on required effective area.
- **Cap** is available in three forms: (flat, pointed or inclined).

Materials and dimensions of product are determined by the customer. Possible materials & colours: aluminium, steel or rust-resistant coated (polished). Air displacement towers can be painted in any RAL colour.

Types of installation

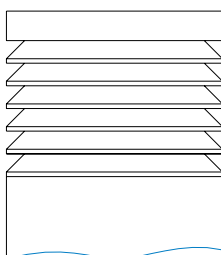
Tower is installed via flange connection fixed on concrete duct with screws.



Types of end cap

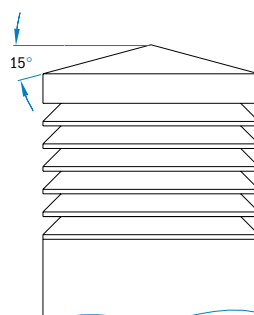
Type 1

Flat end cap



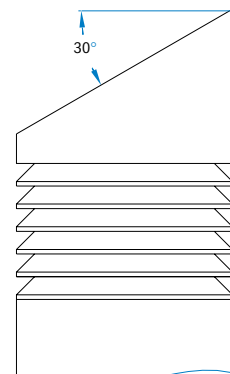
Type 2

Pointed end cap: inclination 15°



Type 3

Inclined end cap: inclination 30°



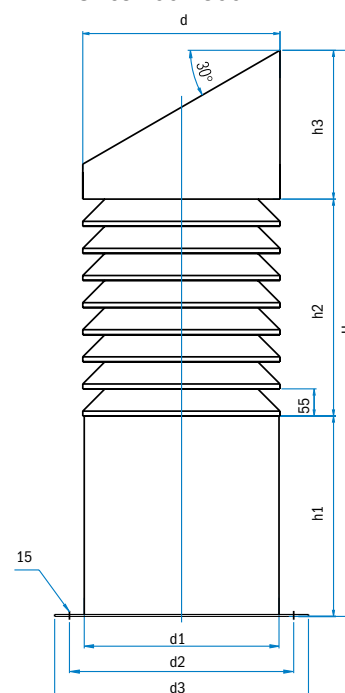
Dimensions

					h3		
Size	d	d1	d2	d3	Cap1	Cap2	Cap3
400	400	395	455	515	70	124	301
500	500	495	555	615	70	137	359
700	700	695	755	815	70	164	474
900	900	895	955	1015	70	191	589
1000	1000	995	1055	1115	70	204	647
1300	1300	1295	1355	1415	70	244	820

Technical data

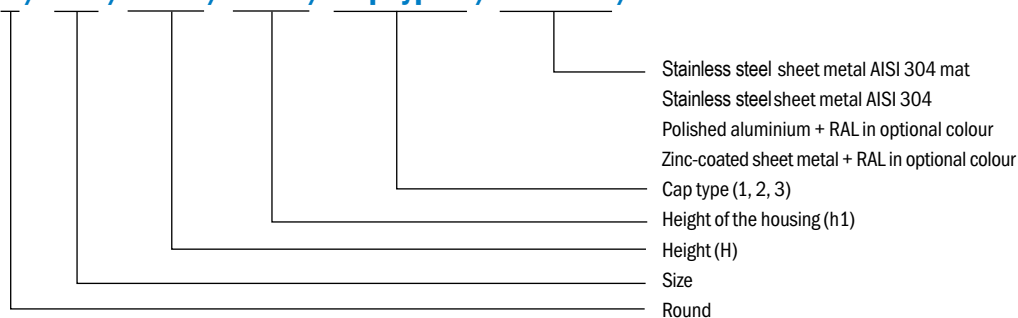
All necessary technical data are provided according to the project on the basis of the customer's requests (required dimensions, air flow, etc.).

Sizes 400-1300



Ordering key

SP-R / 400 / 1851 / 1000 / Cap type 3 / material / flow rate



vanes are made of aluminium.

VENTILATING GRILLES,
VENTILATING VALVES

CIRCULAR DIFFUSERS,
SQUARE DIFFUSERS

SWIRL DIFFUSERS,
VARIABLE SWIRL
DIFFUSERS

SLOT DIFFUSERS,
ROUND DUCT DIFFUSERS

AIR DISPLACEMENT
UNITS

SUPPLY AIR NOZZLES

EXTERNAL ELEMENTS

AIR FLOW
CONTROL UNITS

SOUND ATTENUATORS,
SOUND ATTENUATING
LOUVRES

Print out of selection programme

Supply	Velocity in duct	Return
<input checked="" type="radio"/>	2.00	<input checked="" type="radio"/>

Maximal velocity can not exceed 10m/s.

Input data		
Q	3000	m ³ /h
v _{ef}	3.30	m/s

Maximal effektiv velocity can not exceed 4m/s.

d	895	mm
h1	1000	mm
Maximal number of vanes is 17.		
n	5	kos
h2	275	mm
h3	587	mm
h	1862	mm

Total height is to big. Strengthened flange. Lying transport.

Cap		
Type 1	Type 2	Type 3
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

Material	
d>=400 vanes are always made of aluminium and coloured.	
Housing	
galvanized steel+powder coated	<input checked="" type="radio"/>
aluminium+powder coated	<input type="radio"/>
stainless steel ASI 304 matt	<input type="radio"/>
stainless steel ASI 304 polished	<input type="radio"/>

Pressure drop Δp [Pa]
4

Sound power level LWA [dB(A)]
22

Discount in %	100
Price [EUR/pcs]	

