**Features:**

- Better performance data and optimized price:performance ratio
- Air deflection blades fully variable and adjustable through the front face
- Front panel and air deflection blades can both be optionally supplied in a choice of RAL
- Air exchange rates up to 25 h<sup>-1</sup>
- Available as a full stainless steel option

**Deployment**

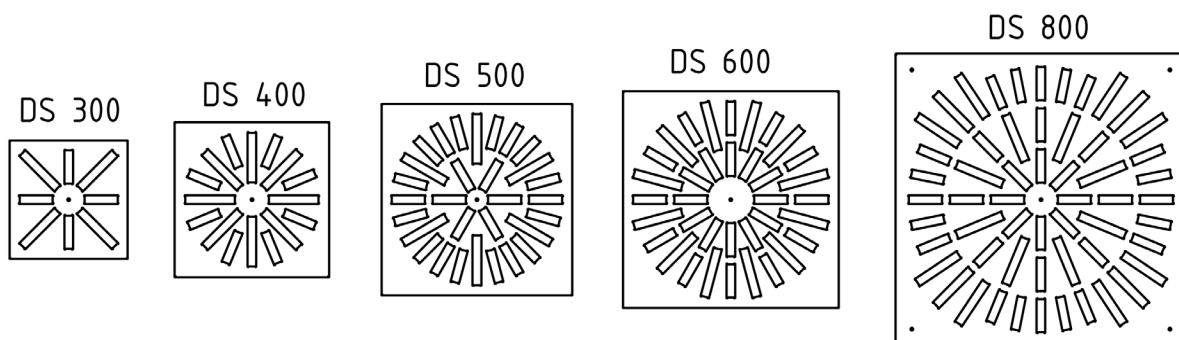
The Type DS swirl diffuser is a manually adjustable supply diffuser for the introduction of air into ventilation and air conditioning systems requiring comfort conditions.

It is characterised by the following features:

- Variable jet pattern for setting throw distance and vertical penetration depth by manual pre- or post-adjustment of the air deflection blades.
- Provision for setting position specific jet patterns by closing individual air outlet openings.
- High induction providing rapid reduction of the air discharge velocity and the temperature difference between supply air and room air.
- Temperature differences of 10K in cooling and heating mode can be achieved.
- Air exchange rates up to 25 h<sup>-1</sup> are allowable.

**Sizes**

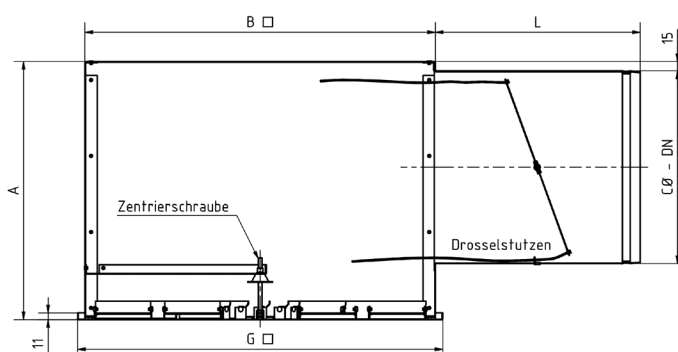
The swirl diffuser DS is supplied in sizes 300, 400, 500, 600 and 800.



### Dimensions

Dimensions [mm]	Size 300	Size 400	Size 500	Size 600	Size 600**	Size 800
B	300	400	500	570	570	780
A	225	260	300	415	350	455
C Ø	125	160	200	315	250	355
L	150	185	225	335	275	380
G	325 / 594 / 600 619 / 625	425 / 594 / 600 619 / 625	525 / 594 / 600 619 / 625	594 / 600 619 / 625	594 / 600 619 / 625	800

\*\* Size 600 can be supplied with a smaller terminal box.



### Technical Data

Sound power level [dB(A)]	Volume flows versus sound power levels [m³/h]					
	Size 300	Size 400	Size 500	Size 600	Size 600**	Size 800
25	105	195	290	470	410	650
30	130	230	350	550	480	750
35	155	270	400	635	550	860
40	190	320	475	725	650	1000
45	230	380	550	850	760	1150
50	280	445	650	980	880	1330

Sound power level [dB(A)]	Pressure loss ( $\Delta P_{total}$ ) as a function of the sound power level [Pa]					
	Size 300	Size 400	Size 500	Size 600	Size 600**	Size 800
25	16	16	12	9	15	7
30	24	22	17	12	18	9
35	32	30	22	15	22	11
40	45	40	30	18	27	14
45	63	55	40	23	33	19
50	89	74	56	29	40	24

\*\* The size 600 can be supplied with a smaller terminal box if required