

# Fixed Blade Swirl Diffusers

## Description

For supply or extract air, unique fixed curved blade swirl diffuser offering excellent performance at low to medium air volumes. The rapid reduction in both air velocity and temperature differential lead to very comfortable conditions within the occupied zone. Suitable for ceiling or duct mounting.

## Construction

From 0.8mm thick pressed sheet steel with 0.8mm thick rear collar.

## Size

Available in 595 x 595mm for lay-in ceiling tile replacer or 500 Ø neck size.

## How to Specify

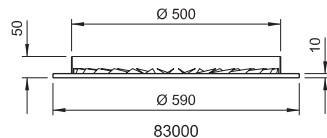
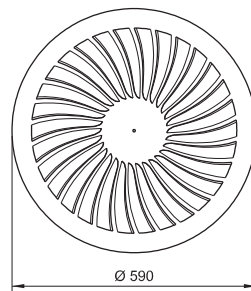
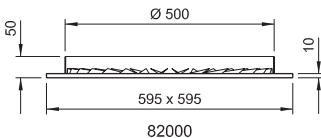
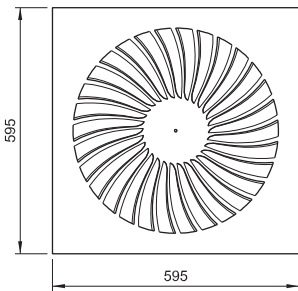
STATE QUANTITY, THE PRODUCT CODING AND THE SIZE WIDTH X HEIGHT  
 WIDTH X HEIGHT  
 e.g. 10 Qty. 8252K+6C 595 x 595.



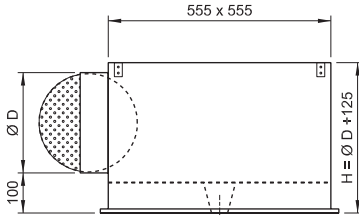
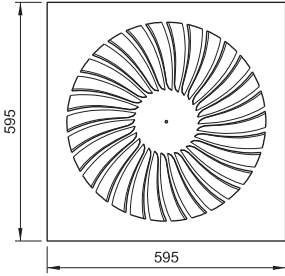
Frame Style	Options	Options	Accessories
<b>82</b> Square Face Swirl	<b>0</b> None	<b>0</b> None	<b>0</b> None
<b>83</b> Circular Face Swirl	<b>5</b> Plenum / Duct Fixing Bar	<b>1</b> Top Inlet Plenum	<b>K</b> Perforated Flat Plate Damper
		<b>2</b> Side Inlet Plenum	



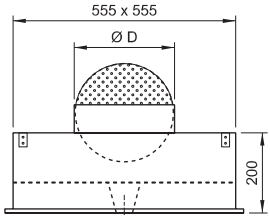
Fixings	Finish
<b>2</b> Neck Fixings	<b>C</b> PPC BS / RAL Colour
<b>4</b> External Drop Rod Lugs	
<b>5</b> Clip-in T-Bar	
<b>6</b> Lay-in Tile Replacer	



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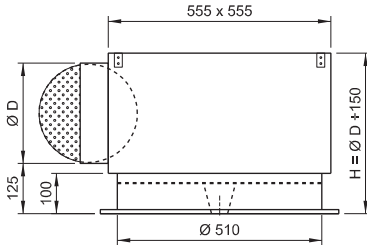
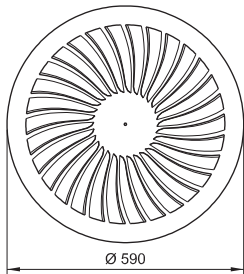


8252K  
'K' Type damper optional

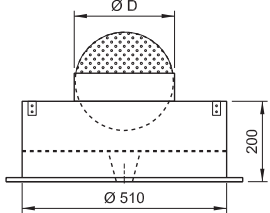


8251K  
'K' Type damper optional

**82** Square Face Swirl



8352K  
'K' Type damper optional



8352K  
'K' Type damper optional

**83** Circular Face Swirl

**Selection Data. Swirl Types 82000 and 83000**

q (l/s)	75	100	125	150	175	200	250	250
Lt (m) 0.25	0.8	1.0	1.2	1.6	1.9	2.1	2.6	3.3
NC	-	-	22	24	26	29	36	43
Pt (Pascals)	4	6	8	14	20	24	32	56

Data is based upon the Ø 500 neck model (types 82000 & 83000) ceiling mounted 2.7 metres high supplying cool air -10° below room temperature.  
Throws are based on maximum velocities measured at 1.8m from floor level