

EDCS - EDCS-PQ Circular diffusers with single adjustable cones



Description

Circular diffusers with micrometric adjustment with single cone.

Diffuser characteristics

Material: aluminium.

Finish: painted white RAL 9010.

Installation: with screws to the diffuser neck.

Use

Ducted air conditioning and treatment systems with installation height between 2.7 and 6 m.

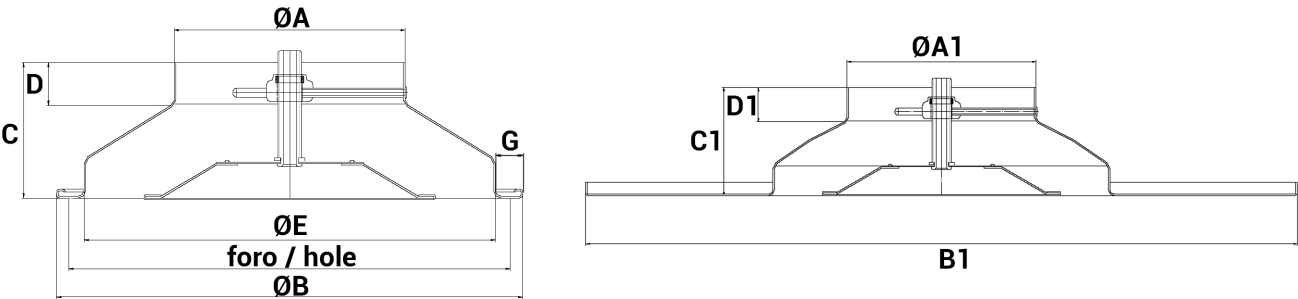
Models

- EDCS circular diffusers with single adjustable cone
- EDCS-PQ circular diffusers with single adjustable cone on square panel 595x595 mm.

Accessories

- EPZ-DC galvanised plenum box;
- EPI-DC insulated plenum box;
- SD butterfly damper;
- EQUA equaliser;
- Fixing clips kit.

Dimensions



all dimensions are expressed in mm

Model	EDCS							EDCS-PQ			
	Ø A	Ø B	Ø E	Ø Hole	C	D	G	Ø A1	B1 x B1	C1	D1
100	96	250	195	225	85	33	25	96	595 x 595	85	33
150	145	330	280	308	90	25	23	146	595 x 595	90	23
160	156	330	280	308	90	27	23	156	595 x 595	90	28
200	196	445	370	410	115	37	35	196	595 x 595	115	37
250	246	535	460	500	135	37	35	246	595 x 595	135	37

Operating data

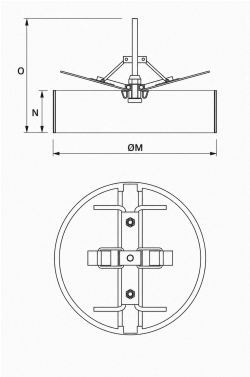
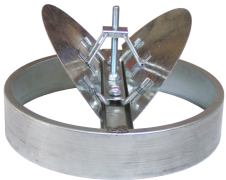
- V_k : effective speed (m/s).
- m^3/h : flow rate.
- Pa: pressure drops in Pascal.
- L(m): air throw in metres calculated on ceiling installation, terminal velocity 0.25 m/s.
- dB(A): noise level.

Model	Effective Section	Vk	2	3	4	5	6
	m²						
100	0,0059	m³/h	38	57	75	95	115
		Pa	7,6	17,2	30,6	47,7	68,7
		L(m)	0,4	0,6	0,8	1,0	1,2
150	0,0149	m³/h	96	145	195	242	290
		Pa	6,3	14,2	25,2	39,4	56,8
		L(m)	0,7	1,1	1,5	1,9	2,2
160	0,0167	m³/h	108	163	217	271	325
		Pa	6,1	13,8	24,5	38,3	55,1
		L(m)	0,8	1,2	1,7	2,1	2,5
200	0,0279	m³/h	181	271	361	452	542
		Pa	5,5	12,5	22,2	34,7	49,9
		L(m)	1,2	1,7	2,3	2,9	3,5
250	0,0448	m³/h	291	435	580	725	870
		Pa	5,0	11,3	20,1	31,5	45,3
		L(m)	1,5	2,4	3,2	4,1	4,9
Noise Level		dB(A)	20	25	30	35	40

SD - Balancing Damper

All dimensions are expressed in mm.

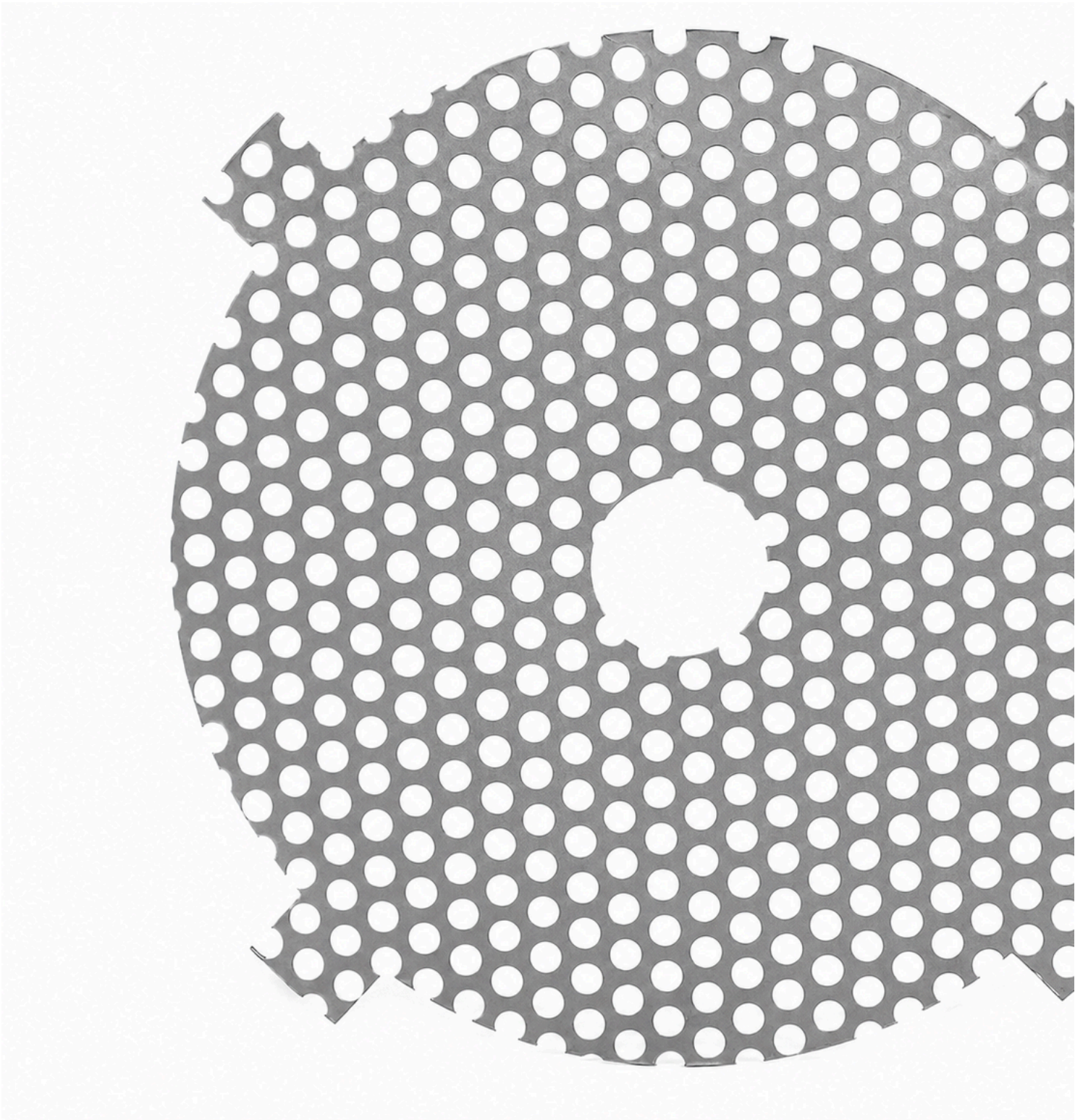
The SD butterfly regulation damper is suitable for installation on circular diffusers, it is made of galvanised steel and it comes with a sturdy adjustable opening/closing mechanism, which prevents vibrations and noise. The damper is adjusted by turning the adjustment screw using a screwdriver, by inserting it into the hole on the threaded bar of the diffuser.

Technical Drawing and Product Photo	Model	Ø M	N	O
	100	95	39	100
	150	145	39	100
	160	155	39	100
	200	195	39	100
	250	245	39	100

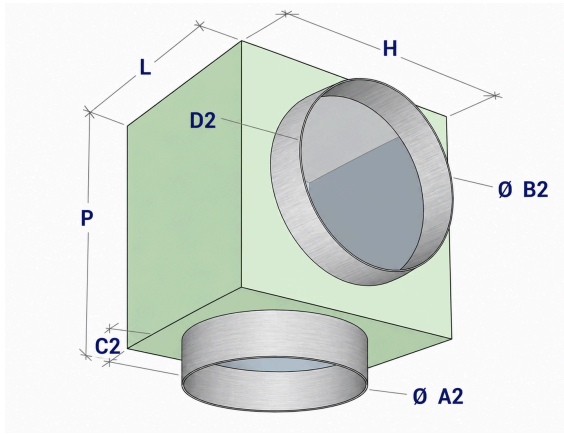
Accessories

EQUA - Equaliser

The equalizer is an accessory designed to break up the airflow and distribute it evenly across the diffuser outlet, ensuring a uniform air discharge and improved airflow distribution.



EPZ-DC - EPI-DC - Plenum Box

Technical Drawing	Model	L	H	P	Ø A2 Diffuser	Ø B2 Duct	Flexible or Rigid	Ø2
	100	200	200	200	102	95	70	100
	150	250	250	250	152	145	70	100
	160	250	250	250	162	155	70	100
	200	300	300	300	202	195	70	100
	250	350	350	350	252	245	70	100

Price List

Model	Diffuser	EDCS-PQ - Diffuser on pannel 595x595	SD - Butterfly Damper	EQUA - Equaliser	EPZ-DC - Galvanised Plenum Box	EPI-DC - Insulated Plenum Box
	€	€	€	€	€	€
100	-	-	-	-	-	-
150	-	-	-	-	-	-
160	-	-	-	-	-	-
200	-	-	-	-	-	-
250	-	-	-	-	-	-

Fixing Clips Kit (3pcs)	€
EDCS 100-160	-
EDCS 200-250	-