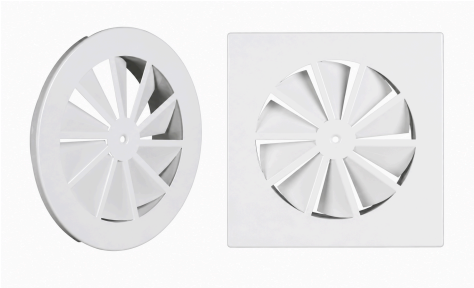


EDRF - EDRFQ Fixed Geometry Diffusers



Description

Fixed geometry diffusers with high induction.

Features

Material: steel plate with sharp edges.

Finish: painted RAL 9010.

Installation: secured with screws to the diffuser neck.

Use

Diffuser suitable for installation heights between 2.5 and 4 m.

Models

- EDRF: high induction diffusers with fixed deflector blades on circular panel;
- EDRFQ: high induction diffusers with fixed deflector blades on square panel or on 595x595 for installation on 600x600 false ceilings.

Accessories

- EPZ-DC - Galvanised Plenum Box;
- EPI-DC - Insulated Plenum Box;
- EPZ-DCS - Galvanised Plenum Box with Damper;
- EPI-DCS - Insulated Plenum Box with Damper;
- EDRF-EQ - Fitting with Equaliser.

EDRF - Dimensions

All dimensions are expressed in mm.

Technical Drawing	Diameter	ØD	ØL1	ØC	P1
	125	122	171	28	55
	160	157	214	50	55
	200	197	264	50	55
	250	247	326	65	55
	315	312	404	87	55
	400	397	500	87	55

EDRF-Q Dimensions

All EDRFQ diffuser sizes are available with an L2 × L2 dimension of 595 × 595 mm, making them suitable for installation in modular suspended ceilings.

Technical Drawing	Diameter	ØD1	L2xL2	ØC1	P2
	125	122	171x171	28	55
	160	157	214x214	50	55
	200	197	264x264	50	55
	250	247	326x326	65	55
	315	312	404x404	87	55
	400	397	500x500	87	55

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 (without equaliser).

Model	Effective Section	V_k m/s	1,0	1,2	1,4	1,6	1,8	2,0	2,4	2,8	3,2	3,6	4,0	Recommended (m^3/h)	
	m^2													MIN	MAX
125	0,0091	m^3/h	32	39	45	52	58	65	78	91	104	117	130	40	90
		Pa (with equalizer)	5	7	9	12	15	19	27	37	48	61	75		
		Pa (without equalizer)	7	10	13	18	22	28	40	55	72	92	114		
		$L(m)$	1,5	1,6	1,7	1,8	1,9	2	2,3	2,4	2,6	2,7	2,9		
		$dB(A)$	<20	<20	23	28	31	34	40	45	49	52	75		
160	0,0146	m^3/h	54	65	76	86	97	108	130	151	173	194	216	50	120
		Pa (with equalizer)	5	7	10	13	16	20	29	40	52	65	81		
		Pa (without equalizer)	7	10	14	19	23	29	42	59	77	97	120		
		$L(m)$	1,6	1,8	1,9	2	2,1	2,2	2,5	2,7	2,8	3	3,1		
		$dB(A)$	<20	25	30	34	38	42	48	53	57	64	66		
200	0,0225	m^3/h	79	95	111	127	143	158	190	222	253	285	317	90	210
		Pa (with equalizer)	5	6	9	11	15	17	25	35	45	57	71		
		Pa (without equalizer)	7	9	13	16	21	25	37	51	66	84	105		
		$L(m)$	1,6	1,8	1,9	2	2,2	2,3	2,5	2,7	2,8	3	3,2		
		$dB(A)$	<20	22	26	30	34	37	42	47	51	54	57		
250	0,0345	m^3/h	122	147	171	196	220	245	294	343	392	441	490	130	310
		Pa (with equalizer)	5	5	6	8	10	13	19	25	33	42	52		
		Pa (without equalizer)	7	8	10	13	16	21	30	40	53	68	85		
		$L(m)$	1,9	2,1	2,3	2,5	2,6	2,7	3	3,2	3,4	3,6	3,8		
		$dB(A)$	<20	23	27	31	35	38	43	48	51	55	58		
315	0,0536	m^3/h	194	233	272	311	350	389	467	544	622	700	778	250	520
		Pa (with equalizer)	5	5	7	9	11	14	21	28	37	47	58		
		Pa (without equalizer)	7	8	11	14	17	22	32	43	57	73	90		
		$L(m)$	2	2,3	2,4	2,6	2,7	2,9	3,1	3,3	3,6	3,7	3,9		
		$dB(A)$	<20	<20	22	27	31	35	41	47	51	55	59		
400	0,0847	m^3/h	306	367	428	490	551	612	734	857	979	1102	1224	420	890
		Pa (with equalizer)	5	5	7	9	11	13	19	26	35	44	54		
		Pa (without equalizer)	7	7	10	13	17	20	29	40	54	69	85		
		$L(m)$	2,3	2,5	2,7	2,9	3	3,1	3,4	3,7	3,9	4,1	4,3		
		$dB(A)$	<20	<20	<20	24	28	32	38	44	48	52	56		



EPZ-DC - EPI-DC - Plenum Box

All measurements are expressed in mm.

Technical Drawing	DiameterDiameter	L	H	P	Ø A2 Diffuser	Ø B2 Duct - Flexible or Rigid	70	100
	125	200	200	200	127	125	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
	315	400	400	400	317	310	70	100
	400	500	500	500	402	395	70	100

Price List

Model	EDRF	EDRFQ - Diffuser on square panel	EDRFQ - Diffuser on square panel 595x595 mm	EDRF-EQ - Fitting with Equaliser	EPZ-DC - Galvanised Plenum Box	EPI-DC - Insulated Plenum Box	EPZ-DCS - Plenum Box with Damper	EPI-DCS - Insulated Plenum Box with Damper
	€	€	€	€	€	€	€	€
125	42,17	38,59	104,84	49,85	59,03	87,29	78,46	99,87
160	51,27	46,88	113,12	51,88	65,67	88,68	86,96	110,78
200	66,70	60,90	127,12	67,32	74,73	100,47	96,40	122,97
250	80,41	73,36	140,37	81,92	99,39	128,93	121,62	152,03
315	99,50	90,73	156,90	94,41	111,86	145,19	140,60	175,05
400	140,69	126,51	192,74	114,93	148,15	190,67	178,37	222,05