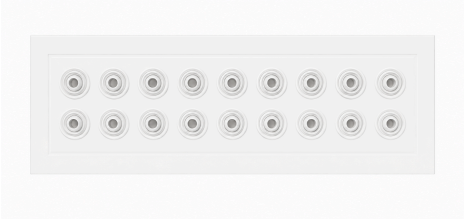
EDMP-P Adjustable Micro-nozzles Diffuser



Description

Diffusers with adjustable micro-nozzles on a rectangular panel. They can be used for air supply when there is the need for long air throws with low noise levels and/or direction of air-flow.

Features

Material: Steel plate, aluminium frame, white nylon micro-nozzles.

Finish: RAL 9016.

Use

Individually adjustable micro-nozzle diffusers designed to obtain long air throws with low noise levels.

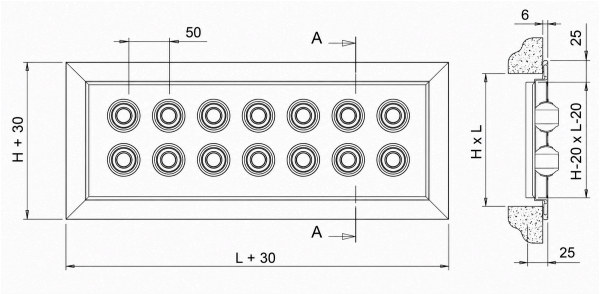
Installation

Installation with front screws on fame.

On request

Black micro-nozzles.

Diffuser Dimensions



Operating Data

- Vk: effective speed (m/s).
- m³/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.

H	Vk	L								
	6m/s	200	300	400	500	600	700	800	1000	1200
100	Number of micro nozzles arranged in a single row	3	5	7	9	11	13	15	19	23
	m^3/h	11	18	25	32	39	47	54	68	82
	L(m)	2,0	2,3	2,7	3,0	3,5	3,9	4,0	4,5	5,0
	dB(A)	<20	<20	<20	20	21	21	22	23	24
150	Nr. of micro-nozzles arranged in 2 row	6	10	14	18	22	26	30	38	46
	m^3/h	22	36	50	65	79	93	108	136	165
	L(m)	2,6	3,3	3,8	4,3	4,8	5,3	5,6	6,3	7,0
	dB(A)	<20	20	22	23	23	24	25	26	26
200	Nr. of micro-nozzles arranged in 3 row	9	15	21	27	33	39	45	57	69
	m^3/h	32	54	75	97	118	140	161	204	247
	L(m)	2,9	3,8	4,7	5,3	5,7	6,3	7,0	7,5	8,3
	dB(A)	20	22	23	24	25	26	26	27	28

250	Nr. of micro-nozzles arranged in 4 row	-	20	28	36	44	52	60	76	92
	m^3/h	-	72	100	129	158	186	215	273	330
	L(m)	-	4,5	5,5	6,5	7,0	7,6	8,2	9,0	10,1
	dB(A)	-	23	24	25	26	27	27	28	29
300	Nr. of micro-nozzles arranged in 5 row	-	25	35	45	55	65	75	95	115
	m^3/h	-	90	125	161	197	233	269	341	412
	L(m)	-	5,3	6,5	6,8	7,6	8,3	8,8	10,0	11,0
	dB(A)	-	24	25	26	27	28	28	29	30
Pressure Drop: 18 Pa										
Effective Cross-section: 0,0166 dm2 x N° Microugelli										

H	Vk	L								
	8m/s	200	300	400	500	600	700	800	1000	1200
100	Number of micro nozzles arranged in a single row	3	5	7	9	11	13	15	19	23
	m^3/h	14	24	33	43	53	62	72	91	110
	L(m)	2,7	3,3	3,7	4,0	4,7	5,0	5,5	6,3	7,0
	dB(A)	21	23	25	26	26	27	28	29	29
150	Nr. of micro-nozzles arranged in 2 row	6	10	14	18	22	26	30	38	46
	m^3/h	29	48	67	86	105	124	143	182	220
	L(m)	3,5	4,3	5,3	5,7	6,6	7,2	7,8	8,2	9,5
	dB(A)	24	26	27	28	29	30	30	31	32
200	Nr. of micro-nozzles arranged in 3 row	9	15	21	27	33	39	45	57	69
	m^3/h	43	72	100	129	158	186	215	273	330
	L(m)	4,0	5,3	6,4	6,5	7,8	8,3	9,0	10,1	11
	dB(A)	26	28	29	30	31	31	32	33	34
250	Nr. of micro-nozzles arranged in 4 row	-	20	28	36	44	52	60	76	92
	m^3/h	-	96	134	172	210	249	287	363	440
	L(m)	-	6,0	7,0	8,2	9,3	10,2	11,0	11,8	13,5
	dB(A)	-	29	30	31	32	33	33	34	35
300	Nr. of micro-nozzles arranged in 5 row	-	25	35	45	55	65	75	95	115
	m^3/h	-	120	167	215	263	311	359	454	550
	L(m)	-	7,2	8,2	9,5	10,2	11,0	11,8	13,0	15,0
	dB(A)	-	30	31	32	33	33	34	35	36
Pressure Drop: 27 Pa										

Effective Cross-section: 0,0166 dm2 x N° Microugelli

H	Vk	L								
	10m/s	200	300	400	500	600	700	800	1000	1200
100	Number of micro nozzles arranged in a single row	3	5	7	9	11	13	15	19	23
	m^3/h	18	30	42	54	66	78	90	114	137
	L(m)	3,4	4,0	4,5	5,0	5,7	6,2	7,0	7,8	9,0
	dB(A)	26	28	29	30	31	31	32	33	34
150	Nr. of micro-nozzles arranged in 2 row	6	10	14	18	22	26	30	38	46
	m^3/h	36	60	84	108	131	155	179	227	275
	L(m)	4,4	5,4	6,8	7,2	8,3	8,5	9,2	10,3	11,5
	dB(A)	28	30	32	33	34	34	35	36	37
200	Nr. of micro-nozzles arranged in 3 row	9	15	21	27	33	39	45	57	69
	m^3/h	54	90	125	161	197	233	269	341	412
	L(m)	5,0	6,7	7,8	8,8	10,0	10,2	11,7	13,0	14,0
	dB(A)	30	32	33	34	35	36	36	37	38
250	Nr. of micro-nozzles arranged in 4 row	-	20	28	36	44	52	60	76	92
	m^3/h	-	120	167	215	263	311	359	454	550
	L(m)	-	7,5	9,0	10,5	12,0	13,0	13,5	14,0	16,5
	dB(A)	-	33	35	36	36	37	38	39	39
300	Nr. of micro-nozzles arranged in 5 row	-	25	35	45	55	65	75	95	115
	m^3/h	-	149	209	269	329	388	448	568	687
	L(m)	-	8,5	10,5	11,5	13,0	13,5	14,5	17,0	18,0
	dB(A)	-	34	35	36	37	38	39	39	40
Pressure Drop: 50 Pa										

Effective Cross-section: 0,0166 dm2 x N° Microugelli

Price List

H	L								
	200	300	400	500	600	700	800	1000	1200
	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur
100	79,47	102,43	125,42	148,48	171,58	194,63	217,66	263,72	309,77
150	118,51	152,84	195,46	237,93	280,46	323,00	365,53	450,50	535,52
200	151,74	208,76	270,81	332,74	394,79	456,75	518,68	642,73	766,70
250	181,84	269,89	346,04	427,63	509,03	590,47	671,95	834,92	997,83
300	208,76	333,17	424,50	517,00	617,86	718,84	819,77	1.021,69	1.223,63