EDMP-C Diffusers with adjustable micro nozzles arranged for circular ducts



Description

Diffusers with adjustable micro-nozzles arranged for circular ducts.
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.

characteristics

Material: Steel plate, white nylon micro-nozzles.
Finish: White RAL 9016.

Use

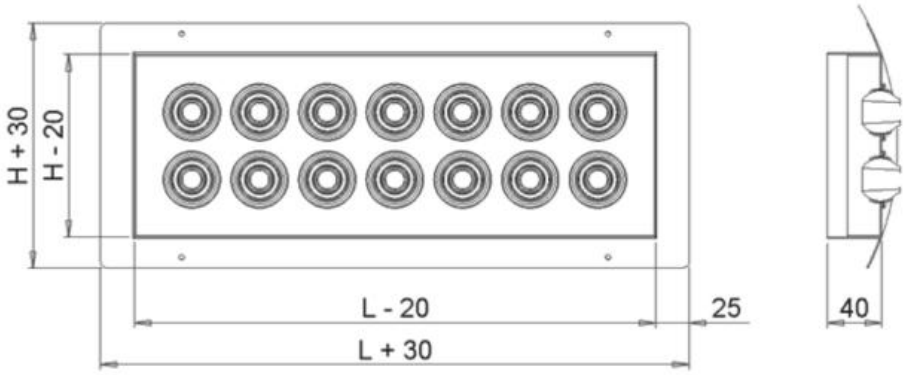
Individually adjustable micro-nozzle diffusers designed to obtain long air throws with low noise levels.

Fastening

Fastening with front screws on frame.

On request

Black micro-nozzles.



Operating data:

Vk: 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

H	Vk	L								
	6m/s	200	300	400	500	600	700	800	1000	1200
100	No. of micro-nozzles arranged in 1 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	No. of micro-nozzles arranged in 2 rows	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	No. of micro-nozzles arranged in 3 rows	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	No. of micro-nozzles arranged in 4 rows	-	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	No. of micro-nozzles arranged in 5 rows	-	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 dm^2 x No. micro-nozzles										

H	Vk	L								
	8m/s	200	300	400	500	600	700	800	1000	1200
100	No. of micro-nozzles arranged in 1 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	No. of micro-nozzles arranged in 2 rows	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	No. of micro-nozzles arranged in 3 rows	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	No. of micro-nozzles arranged in 4 rows	-	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	No. of micro-nozzles arranged in 5 rows	-	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 dm^2 x No. micro-nozzles										

H	Vk	L								
	10m/s	200	300	400	500	600	700	800	1000	1200
100	No. of micro-nozzles arranged in 1 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	No. of micro-nozzles arranged in 2 rows	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	No. of micro-nozzles arranged in 3 rows	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	No. of micro-nozzles arranged in 4 rows	-	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	No. of micro-nozzles arranged in 5 rows	-	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 dm^2 x No. micro-nozzles										

Price list:

H	L								
	200	275	350	425	500	700	800	1000	1200
	euro	euro	euro	euro	euro	euro	euro	euro	euro
100	79,16	101,20	123,16	145,20	167,19	194,03	217,02	262,98	308,91
150	118,53	151,51	192,81	234,11	275,50	322,10	364,50	449,23	534,03
200	162,00	207,05	267,71	328,40	389,01	455,53	517,23	640,93	764,57
250	207,53	265,20	347,96	430,80	513,58	601,83	685,76	853,49	1,04
300	255,04	325,94	433,58	541,31	648,95	761,17	869,88	1,09	1,30