



Multi-nozzle wall grilles type JET-MR (RAL9016)

Multinozzle diffuser for wall or rectangular duct mounting. Available with 3 to 10 nozzles in 1, 2 or 3 rows.

Brand

- Cairox

Application

- Multinozzle duct grille for ventilation, heating and cooling purposes in large spaces in hotels, shopping malls, theatres, etc. where long ranges of air must be diffused at low noise levels.
- The shape of the nozzles allows them to be individually pointed in any direction in an angle of maximum 30°.

Material

- Diffuser face in steel plate, finished RAL 9016
- Aluminium nozzles

Colour

- Standard powder coated in RAL9016 (white)
- Also available in RAL9005 & 9006 upon request

Composition

- Profiled powder coated steel plate
- Diffusers with 1, 2 or 3 rows of nozzles = #R
- 3 to 10 aluminium nozzles/row in RAL9016 finish = #N
- Mounting clips to mount the diffuser into the mounting frame **CCN**

Mounting

- Diffuser can be clipped into mounting frame **CCN**
- Upon request the diffuser can be made with pre-drilled holes for visible screw mounting

Accessories

- Mounting frame for clips mounting **CCN**
- Plenum boxes, type **REW** or **REW ISO**, customized upon request

Other available products

- Diffuser also available for circular duct mounting **JET-MC**

Order example

- **JET-MR, 600 X 100, RAL 9016 + CCN**

Explanation

JET-MR: Type of diffuser

1R6N: 1 Row, 6 Nozzles

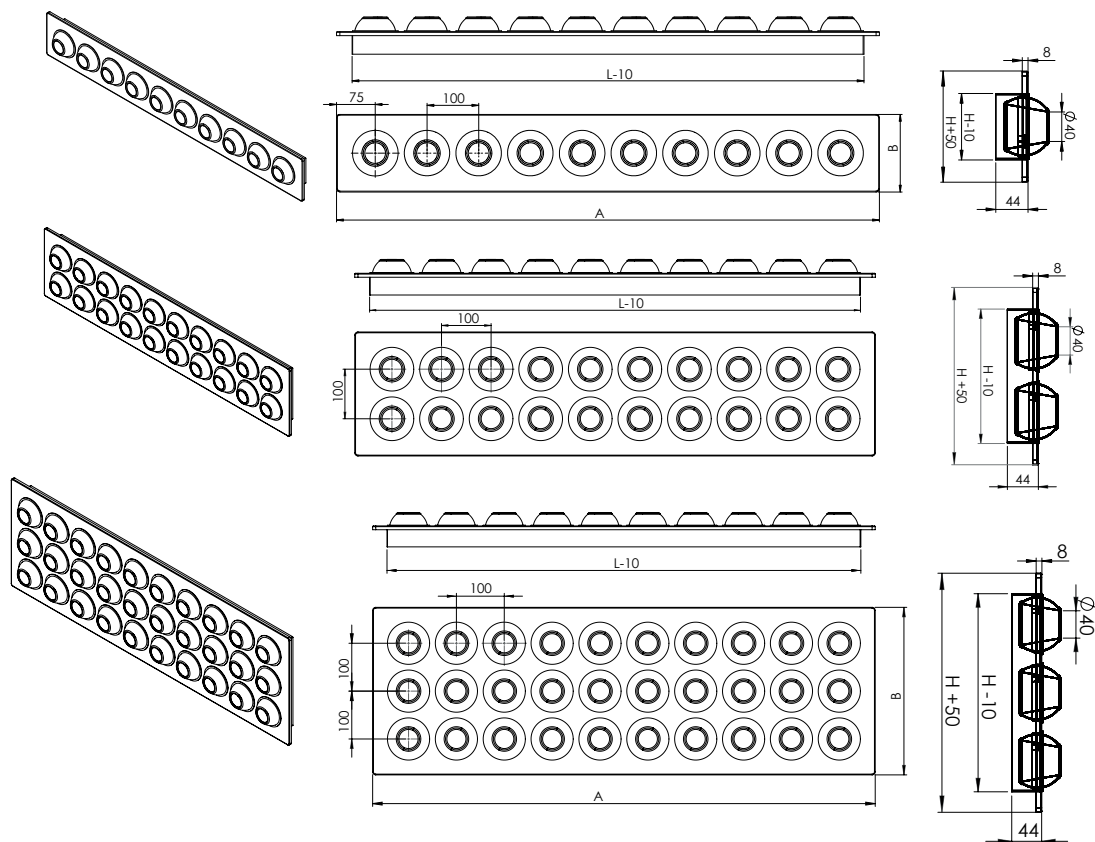
600 X 100: Size L X H

RAL 9016: White finish

Accessories

CCN: Mounting frame for clips mounting

Wall and floor grilles



Dimensions					
JET-MR	L[mm]	H[mm]	A[mm]	B[mm]	# NOZZLES
300 X 100 1R3N	300	100	350	150	3
400 X 100 1R4N	400	100	450	150	4
500 X 100 1R5N	500	100	550	150	5
600 X 100 1R6N	600	100	650	150	6
800 X 100 1R8N	800	100	850	150	8
1000 X 100 1R10N	1000	100	1050	150	10
300 X 200 2R3N	300	200	350	250	6
400 X 200 2R4N	400	200	450	250	8
500 X 200 2R5N	500	200	550	250	10
600 X 200 2R6N	600	200	650	250	12
800 X 200 2R8N	800	200	850	250	16
1000 X 200 2R10N	1000	200	1050	250	20
300 X 300 3R3N	300	300	350	350	9
400 X 300 3R4N	400	300	450	350	12
500 X 300 3R5N	500	300	550	350	15
600 X 300 3R6N	600	300	650	350	18
800 X 300 3R8N	800	300	850	350	24
1000 X 300 3R10N	1000	300	1050	350	30

Quick selection							
JET-MR 1R		300 X 100 1R3N	400 X 100 1R4N	500 X 100 1R5N	600 X 100 1R6N	800 X 100 1R8N	1000 X 100 1R10N
Q	Ak	0.0038	0.005	0.0063	0.0075	0.0101	0.0126
	Vk	7.4	5.5	4.4	3.7		
	X0,25	12.4	9.7	7.6	6		
	Ps	35	19	12	9		
	Lw(A)	<20	<20	<20	<20		
100	Vk	11.1	8.3	6.6	5.5	4.1	3.3
	X0,25	16.2	13.5	11.4	9.7	7	5
	Ps	78	44	28	19	11	7
	Lw(A)	23	<20	<20	<20	<20	<20
	Vk		11.1	8.8	7.4	5.5	4.4
150	X0,25		16.2	14	12.4	9.7	7.6
	Ps		78	49	35	19	12
	Lw(A)		24	<20	<20	<20	<20
	Vk			13.3	11.1	8.3	6.6
	X0,25			17.9	16.2	13.5	11.4
200	Ps			111	78	44	28
	Lw(A)			30	26	<20	<20
	Vk					11.1	8.8
	X0,25					16.2	14
	Ps					78	49
300	Lw(A)					27	22
	Vk						13.3
	X0,25						17.9
	Ps						111
	Lw(A)						33

Wall and floor grilles

JET-MR 2R		300 X 200 2R3N	400 X 200 2R4N	500 X 200 2R5N	600 X 200 2R6N	800 X 200 2R8N	1000 X 200 2R10N
Q	Ak	0.0075	0.0101	0.0126	0.0151	0.0201	0.0251
100	Vk	3.7					
	X0,25	6					
	Ps	9					
	Lw(A)	<20					
150	Vk	5.5	4.1	3.3			
	X0,25	9.7	7	5			
	Ps	19	11	7			
	Lw(A)	<20	<20	<20			
200	Vk	7.4	5.5	4.4	3.7		
	X0,25	12.4	9.7	7.6	6		
	Ps	35	19	12	9		
	Lw(A)	<20	<20	<20	<20		
300	Vk	11.1	8.3	6.6	5.5	4.1	3.3
	X0,25	16.2	13.5	11.4	9.7	7	5
	Ps	78	44	28	19	11	7
	Lw(A)	26	<20	<20	<20	<20	<20
400	Vk		11.1	8.8	7.4	5.5	4.4
	X0,25		16.2	14	12.4	9.7	7.6
	Ps		78	49	35	19	12
	Lw(A)		27	22	<20	<20	<20
600	Vk			13.3	11.1	8.3	6.6
	X0,25			17.9	16.2	13.5	11.4
	Ps			111	78	44	28
	Lw(A)			33	29	23	<20
800	Vk					11.1	8.8
	X0,25					16.2	14
	Ps					78	49
	Lw(A)					30	25
1000	Vk					13.8	11.1
	X0,25					18.2	16.2
	Ps					120	78
	Lw(A)					36	31
1200	Vk						13.3
	X0,25						17.9
	Ps						111
	Lw(A)						36
JET-MR 3R		300 X 300 3R3N	400 X 300 3R4N	500 X 300 3R5N	600 X 300 3R6N	800 X 300 3R8N	1000 X 300 3R10N
Q	Ak	0.0113	0.0151	0.0188	0.0226	0.0302	0.0377
150	Vk	3.7					
	X0,25	6					
	Ps	9					
	Lw(A)	<20					
200	Vk	4.9	3.7				
	X0,25	8.6	6				
	Ps	15	9				
	Lw(A)	<20	<20				
300	Vk	7.4	5.5	4.4	3.7		
	X0,25	12.4	9.7	7.6	6		
	Ps	35	19	12	9		
	Lw(A)	<20	<20	<20	<20		
400	Vk	9.8	7.4	5.9	4.9	3.7	
	X0,25	15	12.4	10.3	8.6	6	
	Ps	61	35	22	15	9	
	Lw(A)	25	<20	<20	<20	<20	
600	Vk		11.1	8.8	7.4	5.5	4.4
	X0,25		16.2	14	12.4	9.7	7.6
	Ps		78	49	35	19	12
	Lw(A)		29	24	20	<20	<20
800	Vk			11.8	9.8	7.4	5.9
	X0,25			16.7	15	12.4	10.3
	Ps			88	61	35	22
	Lw(A)			32	28	22	<20
1000	Vk				12.3	9.2	7.4
	X0,25				17.1	14.4	12.4
	Ps				95	54	35
	Lw(A)				34	27	23
1200	Vk					11.1	8.8
	X0,25					16.2	14
	Ps					78	49
	Lw(A)					32	27
1400	Vk					12.9	10.3
	X0,25					17.6	15.5
	Ps					105	67
	Lw(A)					36	31
1600	Vk						11.8
	X0,25						16.7
	Ps						88
	Lw(A)						35
1800	Vk						13.3
	X0,25						17.9
	Ps						111
	Lw(A)						38

Symbols and specifications

- Above values are for multi-nozzlediffusers in 1, 2 or 3 rows
- LxH = Width L en height H in mm
- Q = Air volume in m³/h
- Ak = Effective surface (free area) in m²
- Vk = Average effective velocity through the grill in m/s
- X0.25 = Horizontal throw in m at an endvelocity Vt of 0.25 m/s
- Ps = Static pressure loss given in Pa
- Lw(A) = Acoustic power in dB(A)
- The throw X0.25 is given without deflection of the airstream at an end velocity of 0.25m/s. For all special requirements,

Wall and floor grilles

please contact our engineering office.

- The values are given for isothermal supply air. Throw distances for cooling conditions at -11K can be calculated by deviding the $X_{0.25}$ values with factor 1.1. For heating purposes at Δt of $+11\text{K}$ a multiplier of 1.1 should be applied to the given $X_{0.25}$ value.
- Acoustic powers below 20dB(A) are mentioned as "<20" in the tables.