

**JET-MR
(RAL9010)**

- Multi nozzle wall grilles
- Steel and aluminium
- White, RAL 9010
- 1,2 or 3 rows with 3 to 10 nozzle



Multi-nozzle wall grilles type JET-MR (RAL9010)

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

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 9010
- Aluminium nozzles

Colour

- Standard powder coated in RAL9010 (white)
- Other colors available 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 RAL9010 finish = #N
- Mounting clips to mount the diffuser into the mounting frame

Mounting

- Diffuser can be clipped into mounting frame (to be ordered separately)
- Upon request the diffuser can be made with pre-drilled holes for visible screw mounting

Accessories

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

Other available products

- Diffuser also available for circular duct mounting JET-MC

Text for tender

- The airconditioning or ventilation system will be equipped with multinozzle diffusers for medium airflows at low noise levels. These diffusers consist of aluminium nozzles mounted in 1,2 or 3 rows in a steel construction. All nozzles can be individually adjusted to obtain a perfect air pattern. The standard finish of the diffuser is RAL 9010, but can also be obtained in other RAL-colors. The diffusers are mounted with invisible mounting with mounting frame.
- Cairox type JET-MR**

Order example

- JET-MR, 600 X 100, RAL 9010 + CCN**

Explanation

JET-MR: Type of diffuser

1R6N: 1 Row, 6 Nozzles

600 X 100: Size L X H

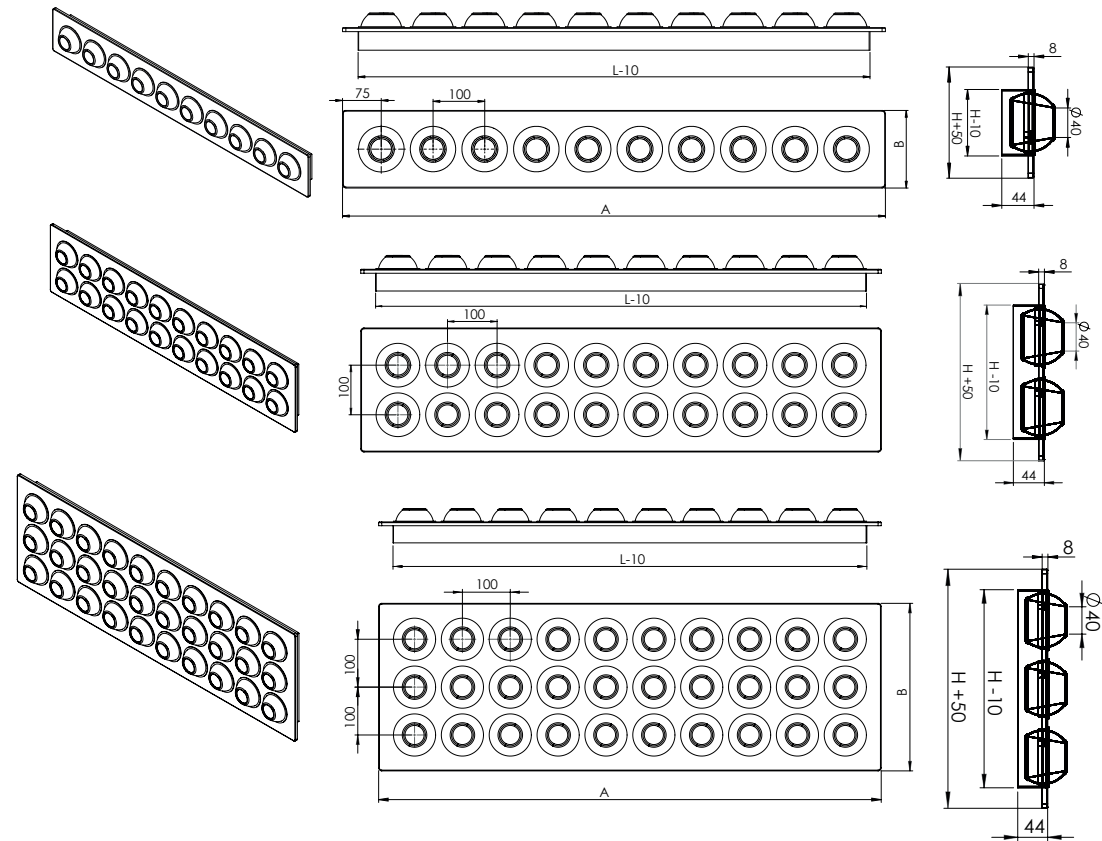
RAL 9016: White finish

Accessories

CCN: Mounting frame for clips ounting

Prices

- Prices available upon request



Dimensions						
JET-MR	L[mm]	H[mm]	A[mm]	B[mm]	# Randuri	# Duze
300 X 100 (1R3N)	300	100	350	150	1	3
400 X 100 (1R4N)	400	100	450	150	1	4
500 X 100 (1R5N)	500	100	550	150	1	5
600 X 100 (1R6N)	600	100	650	150	1	6
800 X 100 (1R8N)	800	100	850	150	1	8
1000 X 100 (1R10N)	1000	100	1050	150	1	10
300 X 200 (2R3N)	300	200	350	250	2	6
400 X 200 (2R4N)	400	200	450	250	2	8
500 X 200 (2R5N)	500	200	550	250	2	10
600 X 200 (2R6N)	600	200	650	250	2	12
800 X 200 (2R8N)	800	200	850	250	2	16
1000 X 200 (2R10N)	1000	200	1050	250	2	20
300 X 300 (3R3N)	300	300	350	350	3	9
400 X 300 (3R4N)	400	300	450	350	3	12
500 X 300 (3R5N)	500	300	550	350	3	15
600 X 300 (3R6N)	600	300	650	350	3	18
800 X 300 (3R8N)	800	300	850	350	3	24
1000 X 300 (3R10N)	1000	300	1050	350	3	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
100	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		
150	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
200	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)		24	<20	<20	<20	<20
300	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)			30	26	<20	<20
400	Vk					11.1	8.8
	X0,25					16.2	14
	Ps					78	49
	Lw(A)					27	22
600	Vk						13.3
	X0,25						17.9
	Ps						111
	Lw(A)						33
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
Qv	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

Wall and floor
grilles

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
Qv	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, 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 X0.25 values with factor 1.1. For heating purposes at Dt of +11K a multiplier of 1.1 should be applied to the given X0.25 value.
- Acoustic powers below 20dB(A) are mentioned as "<20" in the tables.

Placement instruction

