

Diffusion



### Description

- DM:** diffuser with multiple jet nozzles, individually adjustable
- flow between 200 and 2500 m<sup>3</sup>/h
  - application on duct or plenum
  - made of a combination of steel and coated aluminium RAL 9010
  - fastening with visible screws

### Accessories

- PL: side entry plenum (on request)
- PT: upper entry plenum (on request)
- I: external anti-condensate insulation fire-resistance class B-s2-d0

### Special versions

- FS: fastening with concealed bracket (list price + €20)
- calendered version for direct application on circular duct +10%
- VR: coating according to RAL 9005 / 9006 table fixed surcharge €30 + 20% per piece

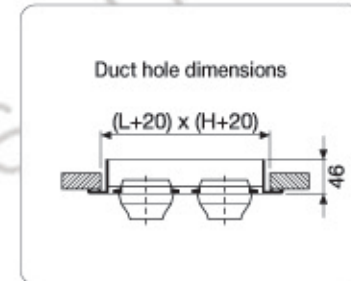
Other RAL colours on request

Example of order: DM 800-2  
Flow 950 m<sup>3</sup>/h - L0.6 15 m - Δp 85 Pa

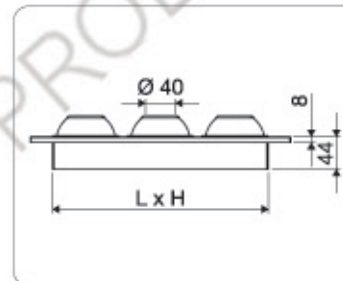
### Dimensions table

Base	Height		
	Nozzle rows		
	1	2	3
300	100	200	300
400			
500			
600			
800			
1000			

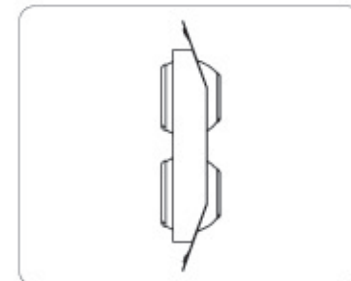
### Duct installation



### Front dimensions



### Calendered



Dimensions all out  
(L+50xH+50)

### Rapid selection

L	Rows	Flow rate m <sup>3</sup> /h			L0.6 (m)			Δp (Pa)			LwA[dB(A)]			Rt			ΔL0.6 (m)		
		min	medium	max	min	medium	max	min	medium	max	min	medium	max	min	medium	max	min	medium	max
300	1	120	180	230	5.0	7.0	8.5	40	80	130	25	34	40	0.100	0.06	0.040	0.9	1.0	1.1
		150	230	310	5.0	8.0	10.0	30	70	130	23	32	40	0.070	0.04	0.030	1.1	1.3	1.5
		210	340	400	6.0	9.0	11.0	40	80	130	25	34	40	0.080	0.05	0.040	1.3	1.7	2.1
		250	360	460	7.0	10.5	13.0	40	80	130	25	34	40	0.055	0.04	0.030	1.7	2.3	2.7
		320	460	600	8.0	11.5	15.0	40	80	130	24	34	40	0.060	0.04	0.030	2.5	2.9	3.3
		400	580	750	9.0	13	16.0	40	75	130	25	33	40	0.070	0.05	0.040	2.5	4.1	5.5
400	2	250	360	470	6.5	9.5	12.0	40	80	130	25	34	40	0.070	0.05	0.035	1.6	2.1	2.5
		330	460	600	8.0	12	15.0	40	75	130	25	33	40	0.055	0.04	0.030	2.0	2.3	3.8
		400	600	780	8.0	13	16.0	40	80	130	25	34	40	0.070	0.04	0.025	2.2	3.3	4.3
		500	710	920	10.0	15	18.0	40	75	140	25	33	41	0.050	0.04	0.030	2.8	4.0	5.0
		650	950	1250	9.0	15	18.0	40	85	130	25	35	40	0.070	0.045	0.030	3.2	4.3	5.3
		800	1150	1500	12.5	19	23.0	40	70	120	23	32	39	0.055	0.04	0.030	4.0	5.1	6.0
500	3	380	550	700	8.5	13	16.0	40	85	130	25	35	40	0.070	0.05	0.035	2.4	5.8	5.0
		500	700	900	10.0	14	17.0	40	75	130	25	33	40	0.070	0.05	0.035	2.0	3.7	5.0
		620	930	1200	11.0	17	20.0	40	90	130	25	36	40	0.070	0.055	0.040	3.8	4.8	6.0
		750	1100	1450	12.5	19	23.0	40	80	140	25	34	41	0.055	0.04	0.030	3.5	4.9	6.0
		1000	1400	1800	13.5	20	25.0	40	75	140	25	33	40	0.070	0.05	0.035	5.0	5.5	>6
		1300	1850	2400	16.5	23	27.0	50	85	150	25	35	42	0.055	0.045	0.035	>6	>6	>6

### Key

LwA: sound pressure level dB(A)

Δp: total pressure drop (Pa)

L0.6: front throw length with maximum end velocity of 0.6 m/s in isothermal conditions, corresponding to an average velocity in the occupied area of 0.2 m/s for installation height between 3 and 4 m

Rt: ratio between ΔtL (difference in room temperature and temperature L0.6) and ΔtM (temperature difference between supply and room)

example: Rt 0.1; ΔtM -8K; ΔtL = 0.1 x (-8K) = -0.8K

ΔL0.6: throw deviation upwards or downwards with ΔL at a distance L0.6