

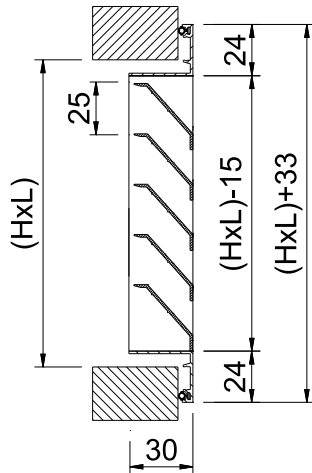


DMT-X EXTERNAL GRILLES - BLADE 25

The **DMT-X** series grilles are designed to take in air from the exterior or to expel used air.

The fixed blades, 25 mm pitch, are designed to prevent rain penetration. They are very strongly built and resistant to aggressive climatic conditions, for outdoor installation.

DMT-X



CLASSIFICATION

DMT-X Grilles with blades fixed at 45° for industrial or external use, parallel to the longer side.

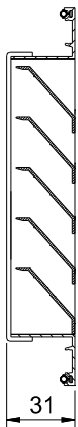
EMT-X Grilles with blades fixed at 45° for industrial or external use, parallel to the shorter side.

MATERIAL

DMT-X Extruded aluminium grilles.

All the grilles are provided with a seal on the back of the frame in order that the perimeter in contact with walls, ceiling, ducts, etc... is airtight.

DMT-X



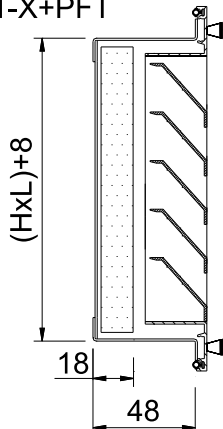
ADDITIONAL ACCESSORIES

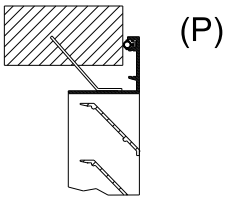
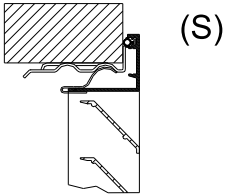
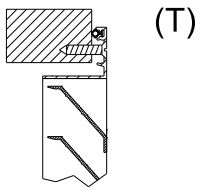
MLL Galvanised mesh of 13x13 fixed to the grille.

PFT Filter box made in galvanised steel, with mesh and filter included (K/8 EN 779 G3).

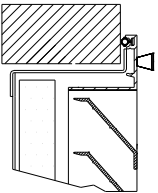
The grille is held in place by threaded knobs.

DMT-X+PFT





DMT-X+PFT



FIXING SYSTEMS

(T) The grille is fixed in place with screws.

(S) The grille is fixed in place with clips (standard supply).

It requires the **CM** mounting frame. When assembling with the metallic frame, measures H and L increase 8 mm.

(P) Sidepieces to fix in place.

1) The filter box is fixed in place with screws or sidepieces. The grille is held to the PFT by threaded knobs.

FINISHES

AA Anodised in matt silver.

RAL... Lacquer in other colours (RAL specifications).

DMT-X SERIES

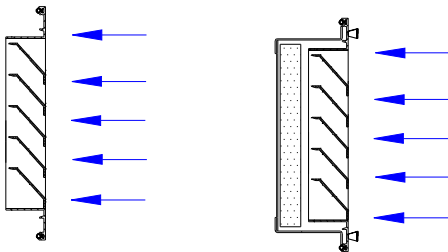
FREE FACE AREA m2.

H \ L	150	200	250	300	350	400	450	500	600	700	800	900	1000
100	0,003	0,004	0,005	0,007	0,008	0,009	0,01	0,012	0,014	0,016	0,019	0,021	0,023
150	0,006	0,009	0,011	0,013	0,016	0,018	0,021	0,023	0,028	0,033	0,037	0,042	0,047
200	0,01	0,013	0,017	0,02	0,024	0,027	0,031	0,035	0,042	0,049	0,056	0,063	0,07
250	0,013	0,018	0,022	0,027	0,032	0,037	0,041	0,046	0,056	0,065	0,075	0,085	0,094
300	0,016	0,022	0,028	0,034	0,04	0,046	0,052	0,058	0,07	0,082	0,094	0,106	0,12
350	0,019	0,026	0,034	0,041	0,048	0,055	0,062	0,069	0,084	0,1	0,11	0,127	0,14
400	0,023	0,031	0,039	0,048	0,056	0,064	0,073	0,081	0,1	0,11	0,13	0,15	0,16
450	0,026	0,035	0,045	0,054	0,064	0,074	0,083	0,098	0,11	0,13	0,15	0,17	0,19
500	0,029	0,04	0,05	0,061	0,072	0,083	0,094	0,104	0,13	0,15	0,17	0,19	0,21
600	0,037	0,051	0,064	0,078	0,092	0,106	0,12	0,13	0,16	0,19	0,21	0,24	0,27

DMT-X

DMT-X+PFT

FREE VELOCITY, PRESSURE LOSS AND SOUND POWER LEVEL.



RECOMMENDED VELOCITY.

Vmin m/s	Vmax m/s
1,5	3

Determination of air flow.

Measuring the Vf in different points of the grille, we find the Vfmed.

$$Q \text{ (l/s)} = V_{\text{fmed}} \text{ (m/s)} * A_{\text{free}} \text{ (m}^2\text{)} * 1000$$

$$Q \text{ (m}^3\text{/h)} = V_{\text{fmed}} \text{ (m/s)} * A_{\text{free}} \text{ (m}^2\text{)} * 3600$$

CORRECTION FACTOR FOR Lwa1.

Afree m2	0,01	0,02	0,05	0,1	0,2	0,4
Lwa1(kf)	-9	-6	-3	-	+4	+7

Weighted noise level related to Afree = 0,1m2.

$$L_{\text{wa}} = L_{\text{wa1}} + K_{\text{f}}$$

