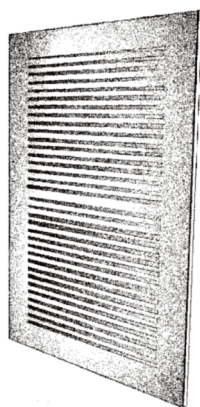


The PSGSV range of pressed steel grilles have been designed for use in heating, ventilation and air conditioning systems and can be used for extract and supply in large areas, car parks and even domestic installations. The PSGSV is complete with a face operated damper and rear seals. This means that setting of the air flow can be achieved from the roomside.

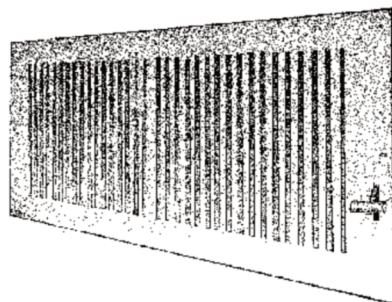


Type PSGSO



Type PSGSO Oblong

Pressed Steel Grille//Type PSGSV



The grilles are available in a large variety of sizes and are manufactured either from aluminium or steel as standard. The front blades can run either horizontally or vertically or with a combination of both.

All grilles are surface mounted and are therefore particularly suitable for covering over irregular holes.

Specification & Construction:

Pressed galvanised steel sheet or alternatively aluminium or brass.

Sizes:

Starting from 100mm square through to 800mm².

Finish:

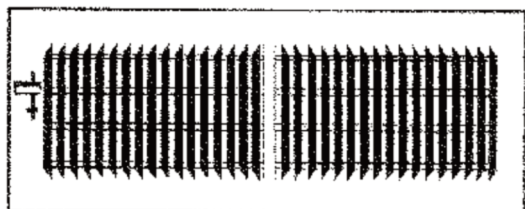
In epoxy powder coating or polyester paints from the BS4800 or RAL range of colours. Alternative anodised finish available on request.

Alternative Design:

We can supply a large range of purpose sized units suitable for any internal or external application.

Fixing:

Through frame into fascia.



Classification:

PSGSV Grilles with blades parallel to the shorter side, angled to right and left. It incorporates a volume control damper with an easy external key.

Finishes:

Polyester powder-coated in the following colours:

RAL 9006 - Silver,

RAL 9010 - White,

RAL - Other colours at an additional cost.

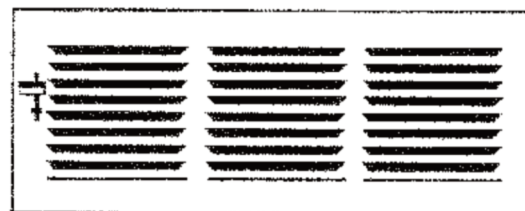
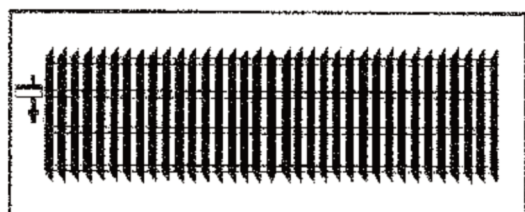
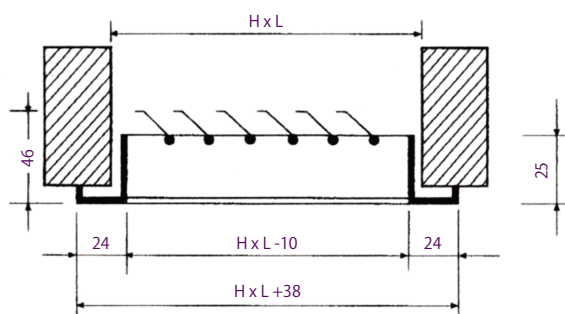


Table 1

	A	O
100x100	110	90
100x100	110	100
150x150	160	100
150x150	160	120
150x150	160	150
200x200	210	190

Table 2

	100	150	200	250	300	350	400	450	500
100	0.007								
150	0.011	0.017							
200	0.014	0.023	0.029						
250	0.018	0.028	0.038	0.049					
300	0.021	0.033	0.043	0.054	0.065				
400	0.029	0.044	0.058	0.073	0.087	0.102	0.117		
500	0.036	0.055	0.073	0.091	0.109	0.128	0.146	0.164	0.183
600	0.045	0.070	0.095	0.121	0.146	0.171	0.196	0.221	0.246

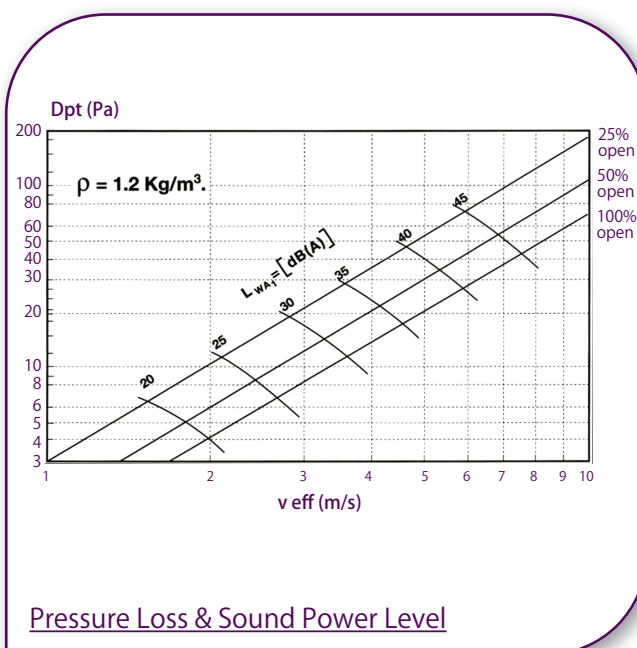


To determine airflow by measuring the V_{eff} in different

points of the grille, we find the V_{effmed}

$V_t (l/s) = V_{effmed} (m/s) A_{eff} (m^2) 1000$

$V_t (m^3/h) = V_{effmed} (m/s) A_{eff} (m^2) 3600$



Effective Velocity

