

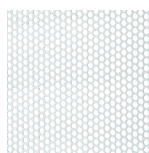
## Series RP



Exhaust ventilation grille with a mesh insert



RP1 – expanded metal insert



RP2 –perforated insert with round holes

### Application

- Supply and exhaust ventilation, heating and air conditioning networks in industrial, commercial and domestic premises.

### Design

- Made of high-quality extruded aluminium shape and an insert piece of perforated steel or expanded mesh.
- Polymer or anodized grille coating ensures weather-resistant properties.
- Non-standard sizes may be ordered.

### Modifications

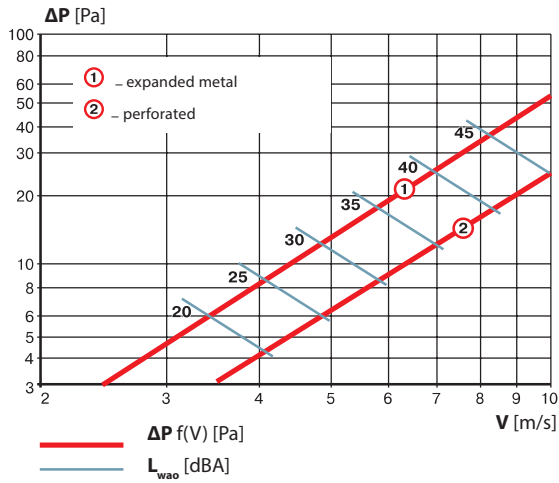
- Available modifications with an adapter (A) for connection to air ducts.
- Available modifications with versatile fixing (u) or with special springs (p) for fast mounting.

## Standard size [mm] and air pass [m<sup>2</sup>]

	Height H [mm]	Length L [mm]													
		100	150	200	250	300	350	400	450	500	600	700	800	900	1000
Expanded metal sheet	100	0.006	0.008	0.010	0.012	0.016	0.018	0.020	0.023	0.026	0.033	0.037	0.043	0.047	0.050
	150		0.010	0.015	0.019	0.024	0.027	0.030	0.041	0.046	0.051	0.059	0.068	0.075	0.082
	200			0.022	0.028	0.036	0.040	0.044	0.054	0.062	0.076	0.087	0.102	0.113	0.124
	250				0.038	0.042	0.048	0.054	0.073	0.083	0.103	0.118	0.138	0.153	0.168
	300					0.058	0.065	0.071	0.099	0.112	0.139	0.159	0.176	0.199	0.221
	350						0.067	0.087	0.110	0.123	0.153	0.175	0.211	0.231	0.252
	400							0.102	0.120	0.134	0.166	0.190	0.245	0.264	0.282
	450								0.143	0.162	0.201	0.230	0.269	0.299	0.328
	500									0.184	0.228	0.261	0.305	0.338	0.371
	600										0.283	0.324	0.378	0.419	0.460
700											0.370	0.433	0.480	0.527	
800												0.505	0.561	0.616	
900													0.628	0.684	
1000														0.751	

	Height H [mm]	Length L [mm]													
		100	150	200	250	300	350	400	450	500	600	700	800	900	1000
Perforated sheet	100	0.003	0.005	0.007	0.009	0.011	0.013	0.015	0.017	0.019	0.024	0.026	0.032	0.035	0.038
	150		0.008	0.012	0.014	0.017	0.021	0.024	0.027	0.031	0.039	0.043	0.520	0.058	0.063
	200			0.017	0.021	0.026	0.031	0.035	0.040	0.046	0.057	0.063	0.076	0.084	0.092
	250				0.026	0.032	0.038	0.044	0.050	0.057	0.071	0.078	0.094	0.104	0.114
	300					0.041	0.049	0.056	0.063	0.071	0.088	0.101	0.118	0.131	0.143
	350						0.059	0.066	0.074	0.083	0.104	0.119	0.139	0.154	0.169
	400							0.076	0.085	0.095	0.120	0.137	0.160	0.177	0.194
	450								0.096	0.109	0.135	0.149	0.180	0.198	0.216
	500									0.123	0.138	0.153	0.170	0.204	0.246
	600										0.154	0.171	0.190	0.228	0.274
700											0.189	0.210	0.253	0.304	
800												0.233	0.281	0.338	
900													0.338	0.407	
1000														0.489	

## Pressure loss and sound power level



Calculation formula	Correction factor K							
	$S_{ap}$ [m <sup>2</sup> ]	0.001	0.01	0.02	0.05	0.1	0.2	0.4
$L_{WA} = L_{WAO} + K$	K [dBA]	-	-	-	-	0	+3	+6

### Designation:

- $\Delta P$  – pressure loss [Pa]
- $L_{WA}$  – sound power level [dBA]
- $L_{WAO}$  – sound power level for air pass 0.1 m<sup>2</sup> [dBA]
- K – correction factor for sound power level calculation depending on air pass [dBA]
- $S_{ap}$  – air pass [m<sup>2</sup>]
- V – rated speed [m/s]

## Order code



**Grille type:** \_\_\_\_\_  
 RP – grille with a mesh insert

**Filling insert type:** \_\_\_\_\_  
 1 – expanded metal  
 2 – perforated with round holes

**Grille size:** \_\_\_\_\_  
 L – length [mm]  
 H – height [mm]

**Grille coating:** \_\_\_\_\_  
 "\_\_\_" – colour\* (white by default)  
 "Anodized"

**Accessories:** \_\_\_\_\_  
 \_\_\_ – no  
 A – adapter

**Grille fixation:** \_\_\_\_\_  
 u – versatile  
 p – spring

\* Standard polymer coating colours:



## Overall and mounting dimensions

