



Use:

External wall in ventilation system

Assembly:

Rectangular ducts, external walls.

Construction:

Blades and frame made from aluminum profiles. Net on the neck of louvres 5x5.

Material:

Aluminum, alloy 6063

Surface finish

Standard – anodized aluminium, RAL colour on demand

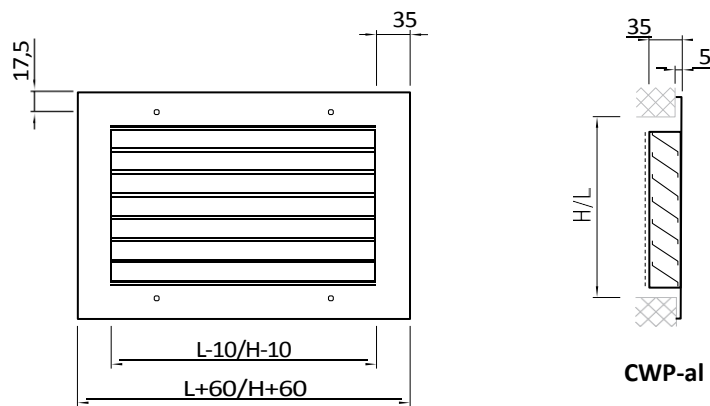
Air flow regulation:

With damper PWP.

Certificates:

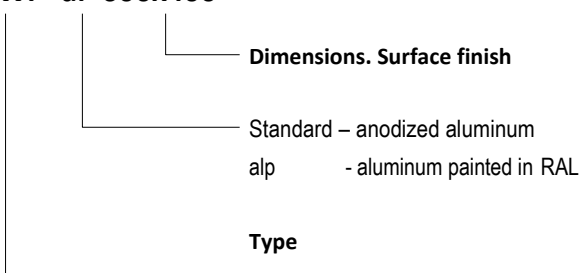
Hygienic certificate: BK/K/0926/01/2018

Type and dimension marking:



Product marking:

CWP-al-600x400

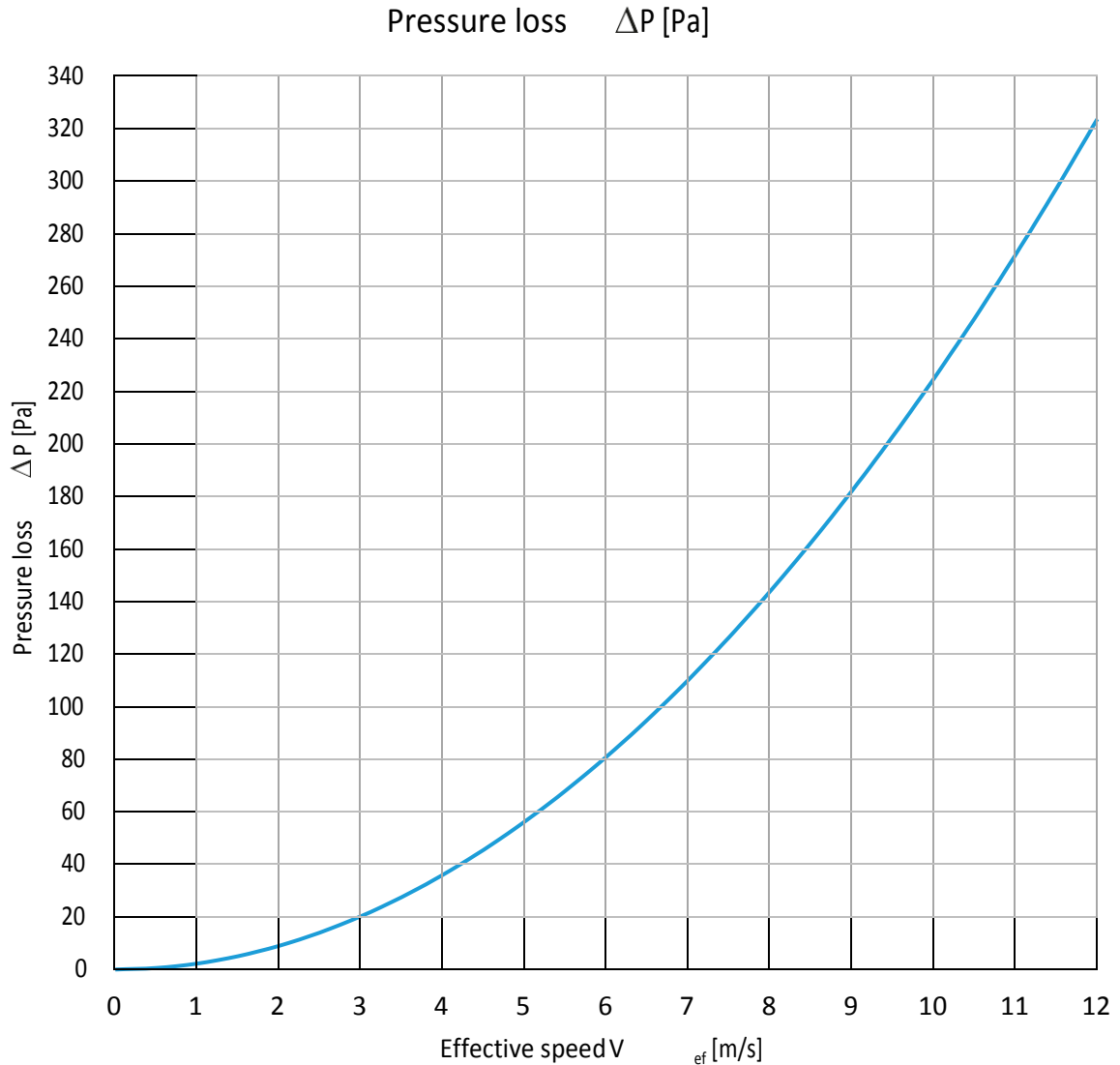


Order's example:

CWP-al-600x400

Louvres made from aluminum, Dimensions 600x400 mm.

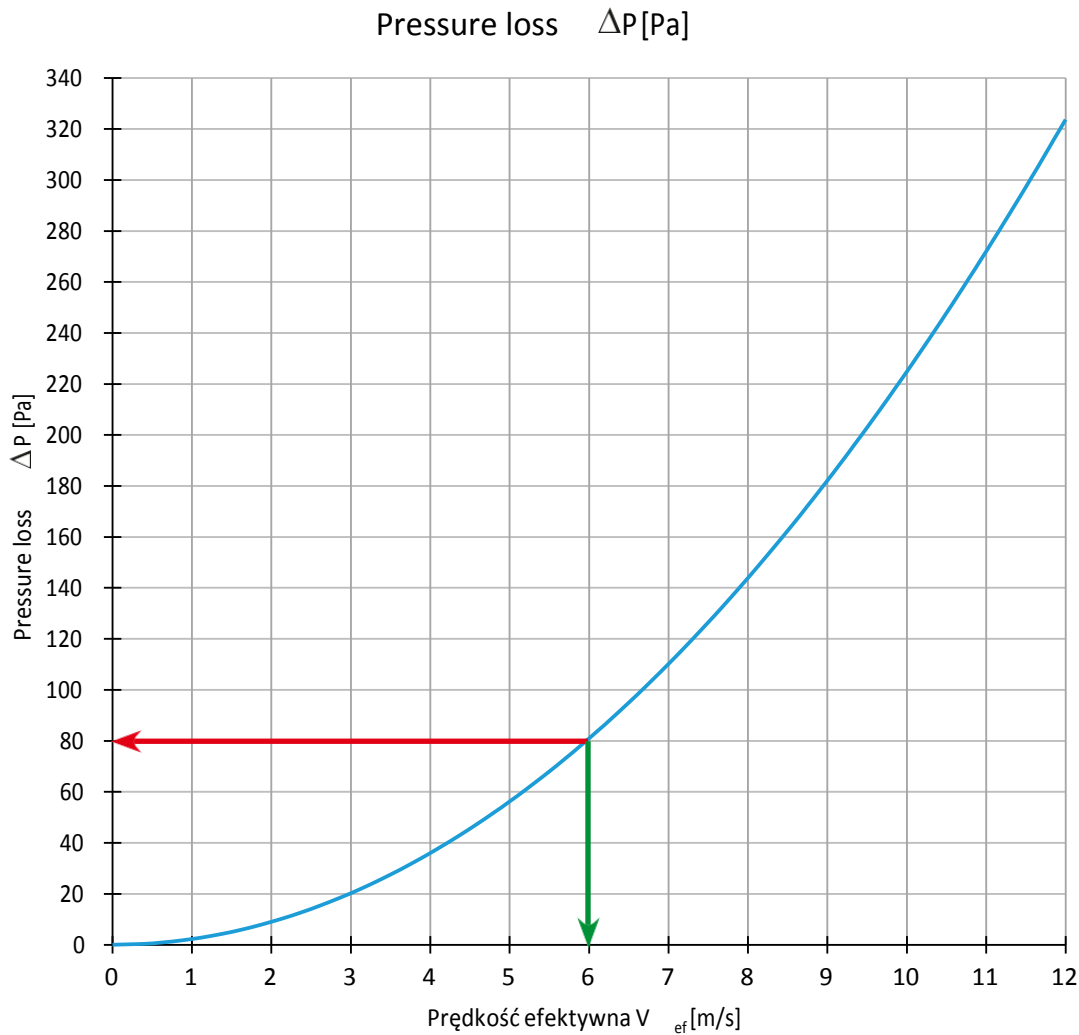
Diagrams and table for selection CWP

**Recommendation:**

- As big as possible.
- Opimal choice to $V_{ef} = 5$ [m/s].
- do not pick louvres more than $V_{ef} = 10$ [m/s].

		A_{ef} [m ²]									
		300	400	600	800	1000	1200	1400	1600	1800	2000
H	L										
	300	0,0374	0,0503	0,0761	0,1019	0,1276	0,1534	0,1792	0,2050	0,2308	0,2566
	400	0,0690	0,0928	0,1404	0,1879	0,2355	0,2831	0,3307	0,3783	0,4258	0,4734
	600	0,1008	0,1356	0,2051	0,2747	0,3442	0,4138	0,4833	0,5528	0,6224	0,6919
	800	0,1303	0,1752	0,2650	0,3549	0,4447	0,5346	0,6244	0,7143	0,8041	0,8940
	1000	0,1573	0,2116	0,3201	0,4286	0,5371	0,6456	0,7541	0,8626	0,9711	1,0795
	1200	0,1820	0,2447	0,3702	0,4957	0,6212	0,7467	0,8722	0,9977	1,1232	1,2487
	1400	0,2042	0,2746	0,4155	0,5563	0,6971	0,8380	0,9788	1,1197	1,2605	1,4013
	1600	0,2241	0,3013	0,4559	0,6104	0,7649	0,9194	1,0740	1,2285	1,3830	1,5375
	1800	0,2415	0,3248	0,4914	0,6579	0,8245	0,9910	1,1576	1,3242	1,4907	1,6573
2000	0,2566	0,3450	0,5220	0,6989	0,8759	1,0528	1,2297	1,4067	1,5836	1,7606	

Instruction of using diagram and table for selection CWP

**Recommend:**

Przykład doboru czepni CWP

- Założona dopuszczalna Pressure loss $\Delta P = 80$ Pa, wymagany wydatek $Q = 10000$ m³/h

- Z wykresu odczytujemy prędkość efektywną 6 m/s

- P wierzchnia efektywna $A_{ef} \geq \frac{Q_h}{3600V_{ef}}$ [m²]

czyli $A_{ef} \geq \frac{10000}{3600 \cdot 6}$ [m²], co daje $A_{ef} = 0,433$ [m²]. Odpowiada to czepni o Dimensionsach

np. H x L = 1200 x 800

		A_{ef} [m ²]									
		L									
H \ L		300	400	600	800	1000	1200	1400	1600	1800	2000
300		0,0374	0,0503	0,0761	0,1019	0,1276	0,1534	0,1792	0,2050	0,2308	0,2566
400		0,0690	0,0928	0,1404	0,1879	0,2355	0,2831	0,3307	0,3783	0,4258	0,4734
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