

**Use:**

Exhaust in low and medium pressure installation in non aggressive environment with relative humidity up to 70%.

**Assembly:**

On rectangular ducts or plenum box. Possibility on ceiling system. Assembly by central screw or visible screws (standard).

**Construction:**

Diffuser made of rolled steel with perforated steel inside. Four types of perforation: ASW-1 (perforation  $\phi$  6 mm) - 30% i ASW-2 (perforation  $\phi$  5 mm) - 30%, ASW-3 (perforation 10 mm) - 50% and ASW-4 (perforation  $\phi$  5

mm) - 63%, ASW-5 - 52%.

**Material:**

Black steel sheet, galvaznied steel, aluminium, stainless steel.

**Surface finish**

RAL 9003 white powder coat or other RAL colour according to RAL catalogue on demand.

**Air flow regulation:**

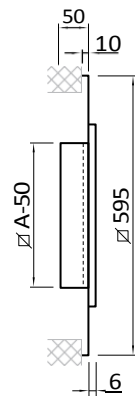
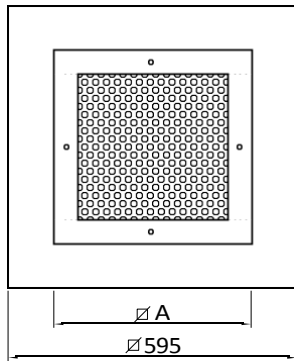
With damper P or damper in inlet of plenum box. ☒

**Certificates:**

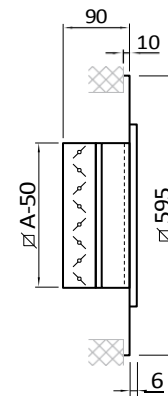
Hygienic certificate: BK/K/0926/01/2018

**Type and dimension:**

**Version A**

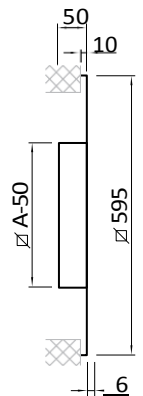
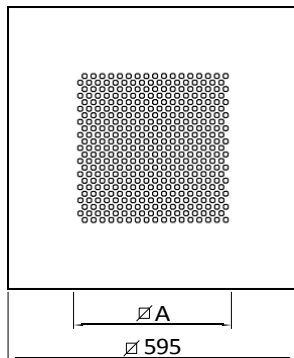


ASW-1-K, ASW-2-K  
ASW-3-K, ASW-4-K

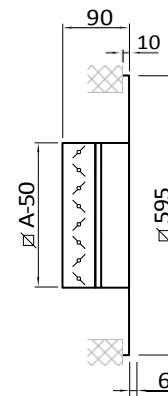


ASW-1-K-P, ASW-2-K-P,  
ASW-2-K-P, ASW-4-K-P

**Version B**



ASW-1-K, ASW-3-K

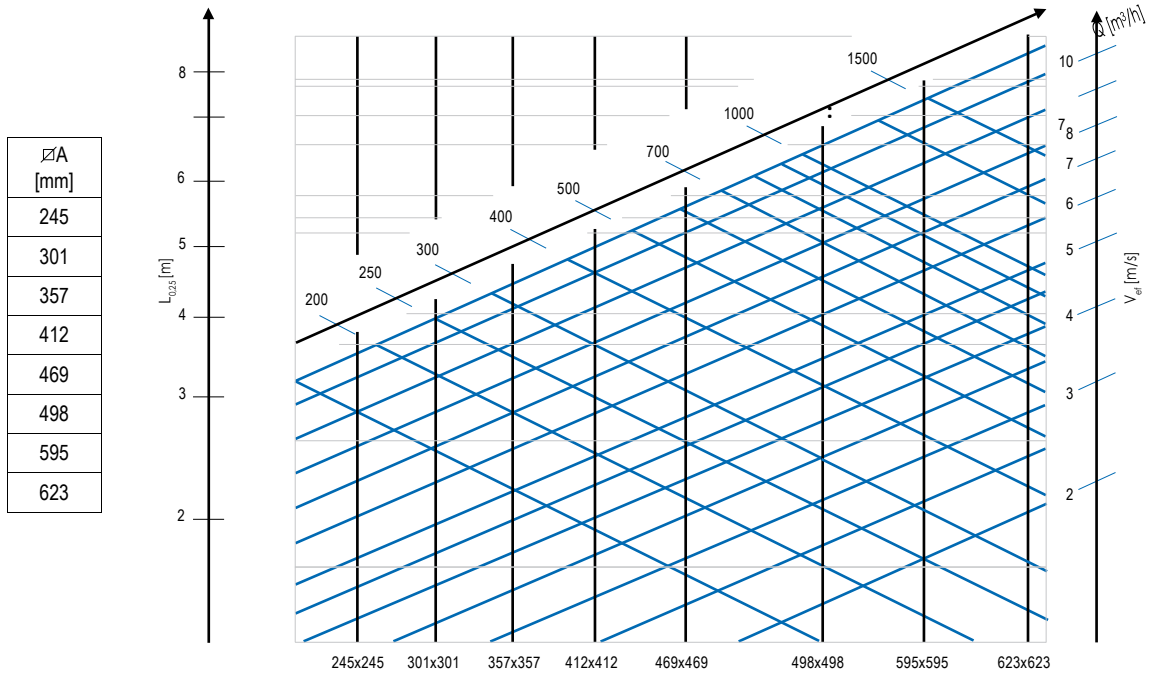


ASW-1-K-P, ASW-3-K-P

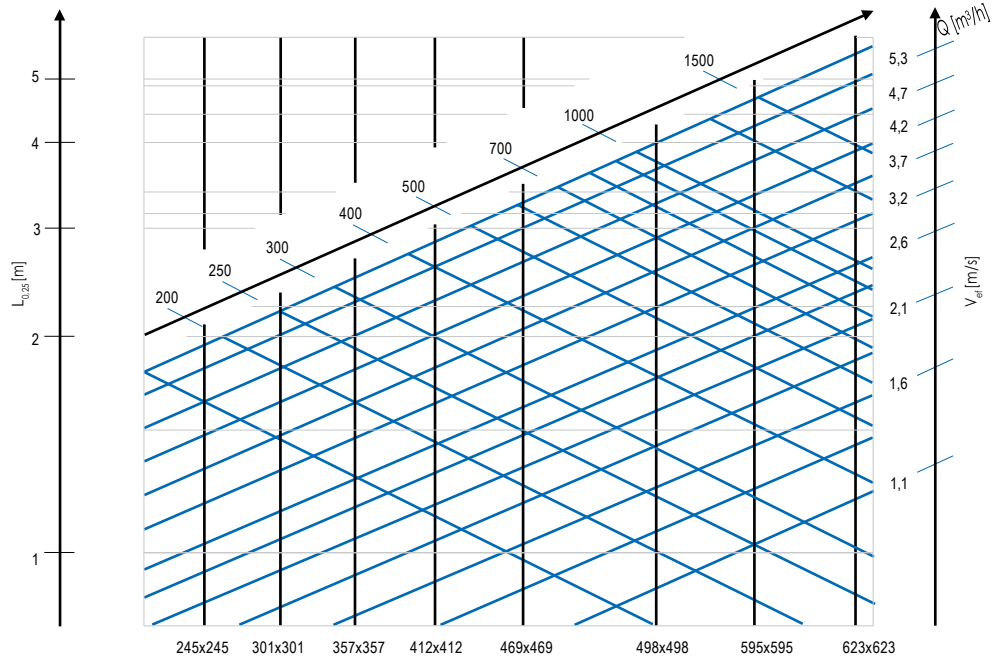
Chart for selection exhaust diffusers ASW

Pressure loss relation ( $\Delta p$ ), maximum stream velocity relation ( $V_{st}$ ), range of velocity stream  $V=0,25$  m/s ( $L_{s,25}$ ), and a level of acoustic power ( $L_{WA}$ ) from air stream volume ( $Q$ ).

Diffuser ASW-1

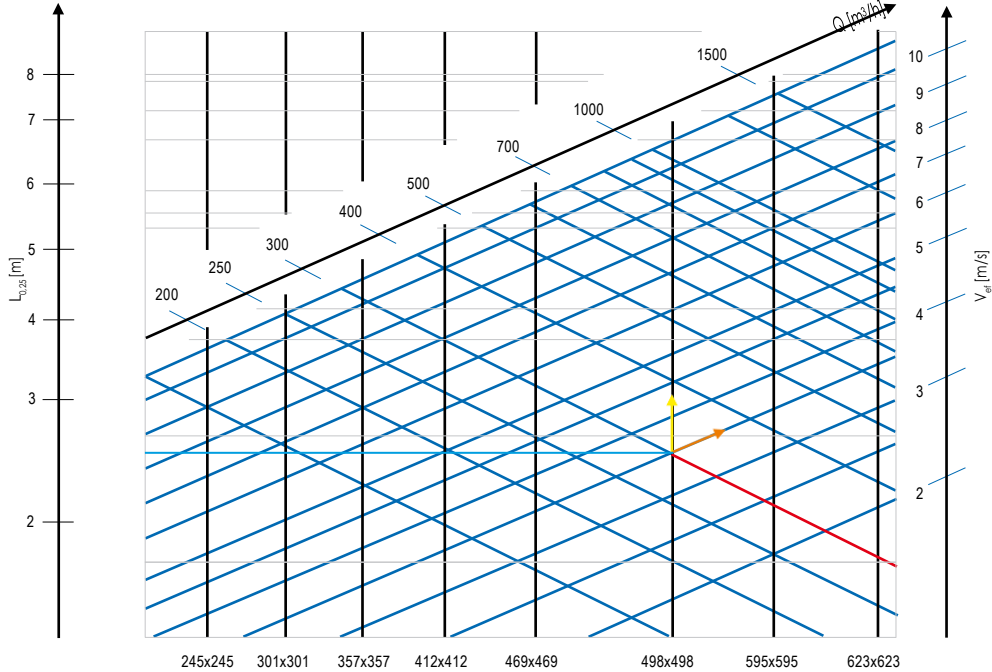


Diffusers ASW-3



## Instrucjon of using chart for selection exhaust diffusers ASW

Diffuser ASW-1



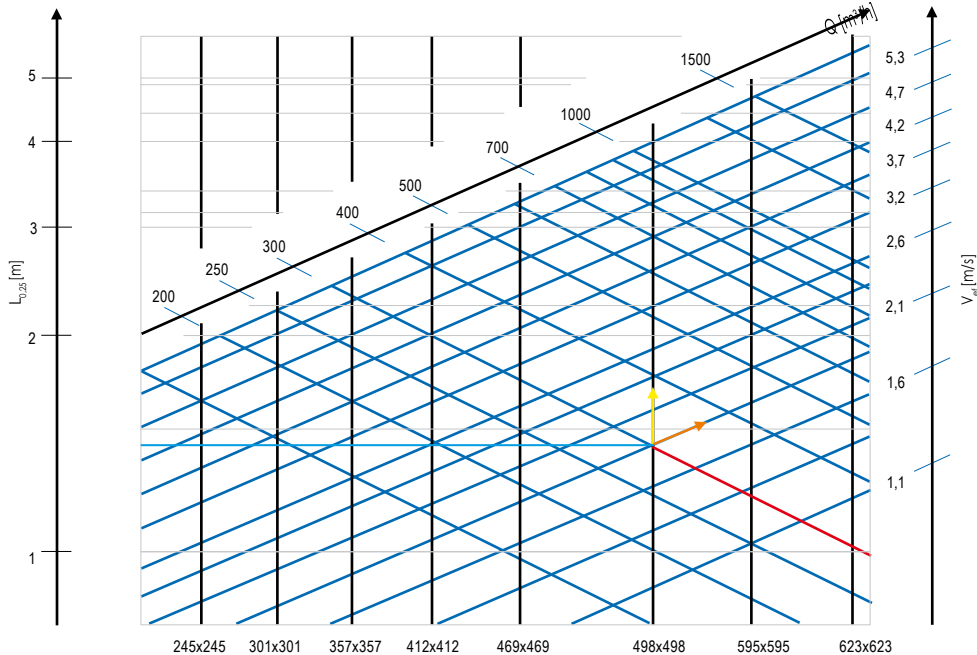
**Przykład** (kolory zgodne z liniami):

- zadany Air stream volume 300 m<sup>3</sup>/h
- prędkość przepływu 0,25 m/s w zasięgu L=2,5 m

**Odczyt z diagramu:**

- wielkość anemostatu 498 x 498
- prędkość wypływu 3,5 m/s

Diffuser-3



**Przykład** (kolory zgodne z liniami):

- zadany Air stream volume 300 m<sup>3</sup>/h
- prędkość przepływu 0,25 m/s w zasięgu L=1,5 m

**Odczyt z diagramu:**

- wielkość anemostatu 498 x 498
- prędkość wypływu 1,9 m/s