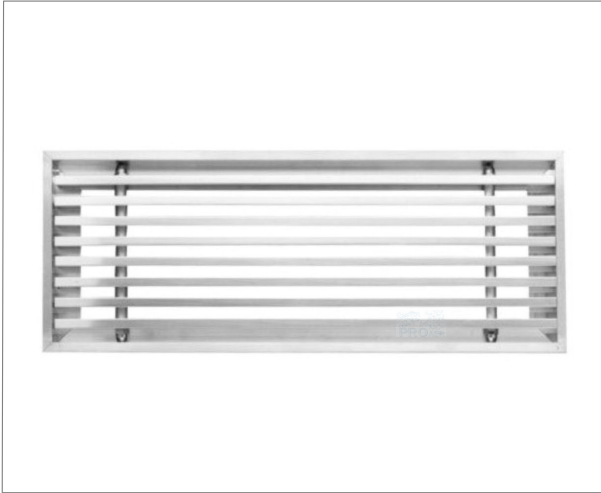


Floor grille

GPT



Specifications

Floor grille for intense traffic.

It supports a uniformly distributed load of max. 2500 kg/m².
(point load 65 kg/cm²)

The core has fixed blades, parallel with A size, and can be detached for maintenance and cleaning.

Used for exhaust, supply or recirculation, in ventilation systems.
The most common use is in technical floors from computer server rooms, computer technical containers, etc .

Material

Aluminium.

Finish

Standard finish: natural aluminium.
There are no other finishes available.

Mounting / Fixing

Mounting in technical floor structure.

Optional accessories

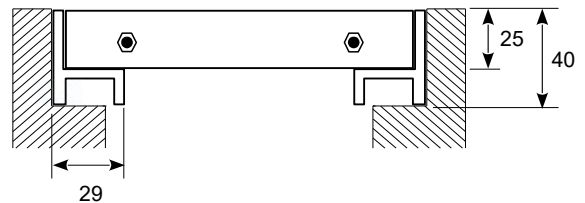
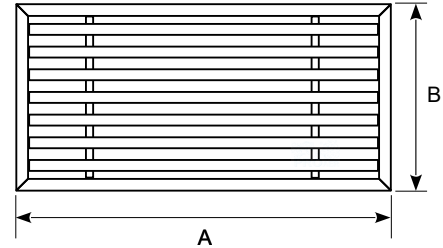
Opposed blade damper – **OBD** (extra cost).

Order code: **GPT** **aaa x bbb** **+***

Product code _____
opening size A (mm) _____
opening size B (mm) _____

* optional accessories

Technical data



AxB - opening hole size

Standard sizes

A	B	Q (m ³ /h) @ Vef 2,5 (m/s)
500	100	230
500	200	450
500	300	680
600	150	410
600	200	540
600	300	810
600	600	1620

Custom sizes

Custom sizes available (under certain commercial conditions),
between AxB 300x100 mm ~ AxB 1200x600 mm

Floor grille

GPT

Selection table

Q (m³/h)	LxH (mm)	A _{ef} (m²)	600x100	600x150	500x200	600x200	500x300	600x300	600x600
			0,025	0,045	0,050	0,060	0,075	0,090	0,180
150	Lw(dB(A))	20							
	ΔP _t (Pa)	5							
200	Lw(dB(A))	24							
	ΔP _t (Pa)	8							
250	Lw(dB(A))	33	-						
	ΔP _t (Pa)	13	4						
300	Lw(dB(A))	38	21	20					
	ΔP _t (Pa)	17	6	6					
400	Lw(dB(A))		28	26					
	ΔP _t (Pa)		10	9					
500	Lw(dB(A))		35	34	26				
	ΔP _t (Pa)		15	14	9				
600	Lw(dB(A))		40	37	33	24	20		
	ΔP _t (Pa)		20	17	13	8	6		
800	Lw(dB(A))			46	42	34	29		
	ΔP _t (Pa)			29	22	14	10		
1000	Lw(dB(A))					42	37		
	ΔP _t (Pa)					24	18		
1200	Lw(dB(A))						42	22	
	ΔP _t (Pa)						23	7	
1500	Lw(dB(A))							26	
	ΔP _t (Pa)							9	
1800	Lw(dB(A))							35	
	ΔP _t (Pa)							15	
2000	Lw(dB(A))							38	
	ΔP _t (Pa)							18	
2500	Lw(dB(A))							43	
	ΔP _t (Pa)							24	

Data is valid for:
 • Lw(dB(A)) incl. room attenuation 5dB(A)

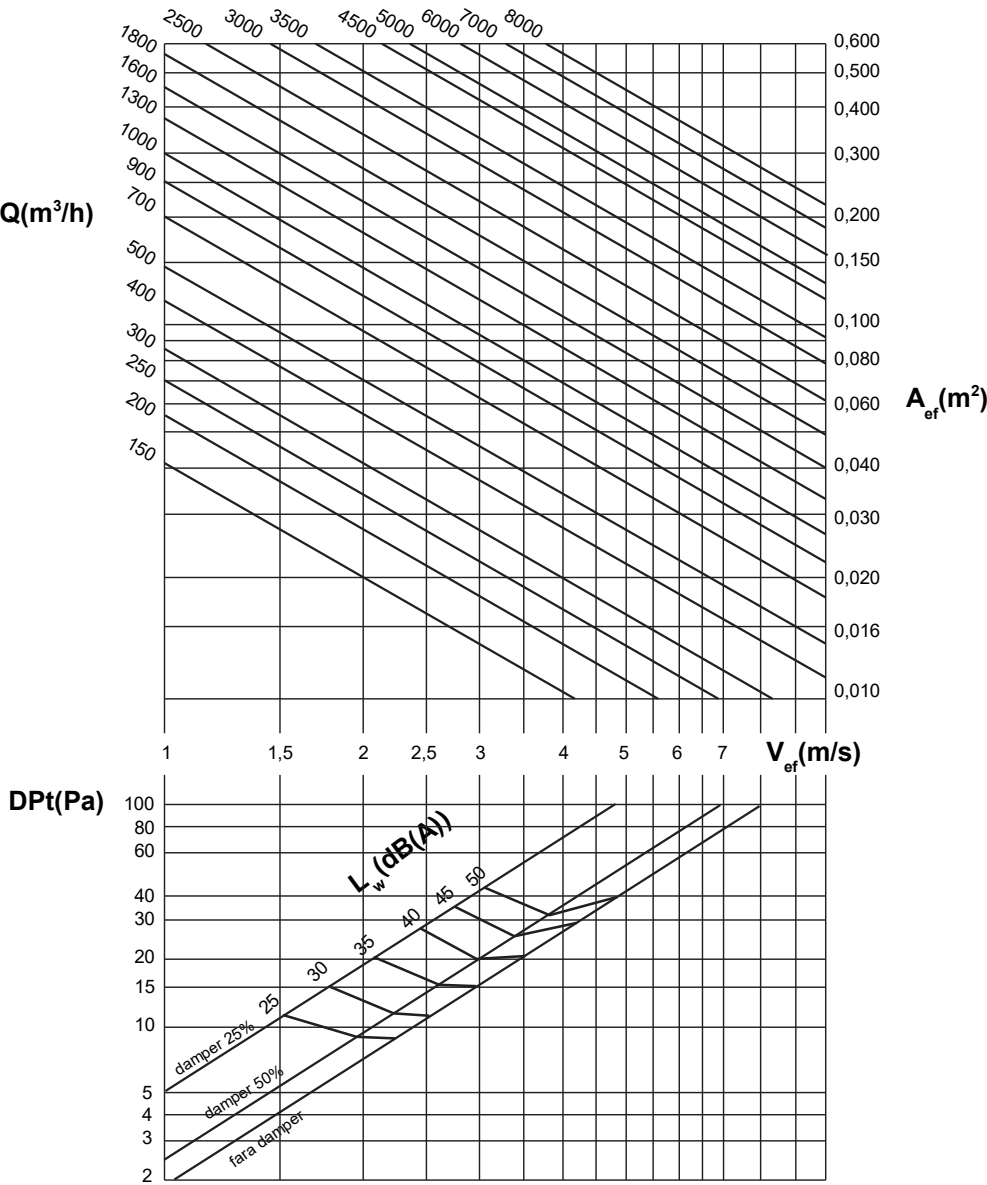
Floor grille

GPT

Technical data

A_{ef} (m²) GVP

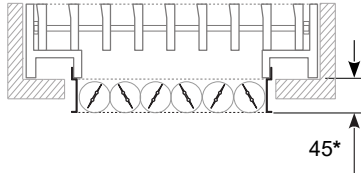
B (mm)	600	-	-	-	0,180	0,200	0,240	0,270	0,300	0,360
	500	-	-	0,125	0,150	0,180	0,200	0,230	0,250	0,300
	400	-	0,080	0,100	0,120	0,140	0,160	0,180	0,200	0,240
	300	0,045	0,060	0,075	0,090	0,110	0,120	0,140	0,150	0,180
	200	0,030	0,040	0,050	0,060	0,070	0,080	0,090	0,100	0,120
	150	0,023	0,030	0,038	0,045	0,053	0,060	0,068	0,080	0,090
	100	0,015	0,020	0,025	0,030	0,035	0,040	0,045	0,050	0,060
A (mm)										
		300	400	500	600	700	800	900	1000	1200



Floor grille

GPT

Optional accessories



OBD - Opposed blade damper. (extra cost)

*to be added to grille depth dimension

Mounting / Fixing

For mounting is necessary to build a structure according to the drawing.

Mounting structure length - size $A+2\text{mm}$

Mounting structure width - size $B+2\text{mm}$

The outer frame of the grille should be laid down or fixed in the structure with mechanical systems or industrial contact adhesive. The inner core of the grille is then placed inside the grille frame.

