



Ventilation Grilles

Rho-C

(circular duct grille)



At Gerhman we are driven by a strong desire to continuously generate improvements. We do that by developing products and systems that are easy to use and energy efficient, together with industry-leading knowledge, support, logistics and efficient availability.



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Circular Duct Grille

RHO-CR (for exhaust air)



Description

Exhaust aluminium grilles with horizontal adjustable bars for circular duct.

Characteristics

Material: aluminium

Finish: powder coated

Installation: fixing by screw.

Design

- Precisely assigned grille sizes to the corresponding duct dimensions for perfect fitting.
- The blades are oriented horizontally.
- The field of application is industrial and commercial premises.
- Powder painted to any RAL code specified by customer
- Stainless steel is available upon request

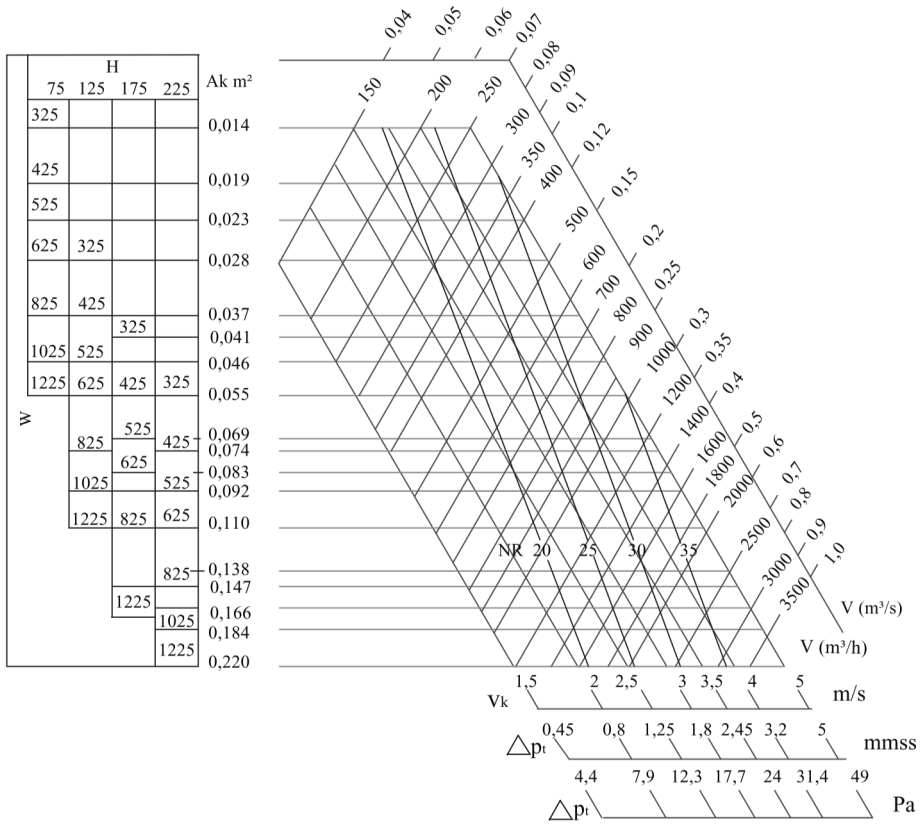
Accessory

OD calibration damper



Selection table

RHO-CR (for exhaust air)



NOTE: The working points were measured with open OD damper.

Circular Duct Grille

RHO-CS (for supply air)



Description

RHO-CS intended for air supply and air extract. The grille directs the air using its adjustable blades in a horizontal, as well as vertical orientation

Characteristics

Material: aluminium

Finish: powder coated

Installation: fixing by screw.

Design

- Precisely assigned grille sizes to the corresponding duct dimensions for perfect fitting.
- The blades are oriented horizontally and vertically.
- The field of application is industrial and commercial premises.
- Powder painted to any RAL code specified by customer .
- Stainless steel is available upon request.
- Large freedom of air discharge pattern tuning in single or double layer of individually adjustable blades.

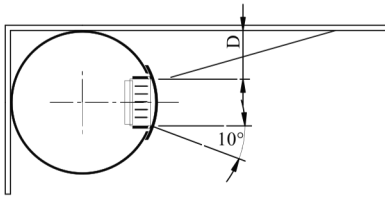
Accessory

OD calibration damper

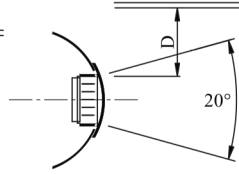


Selection table

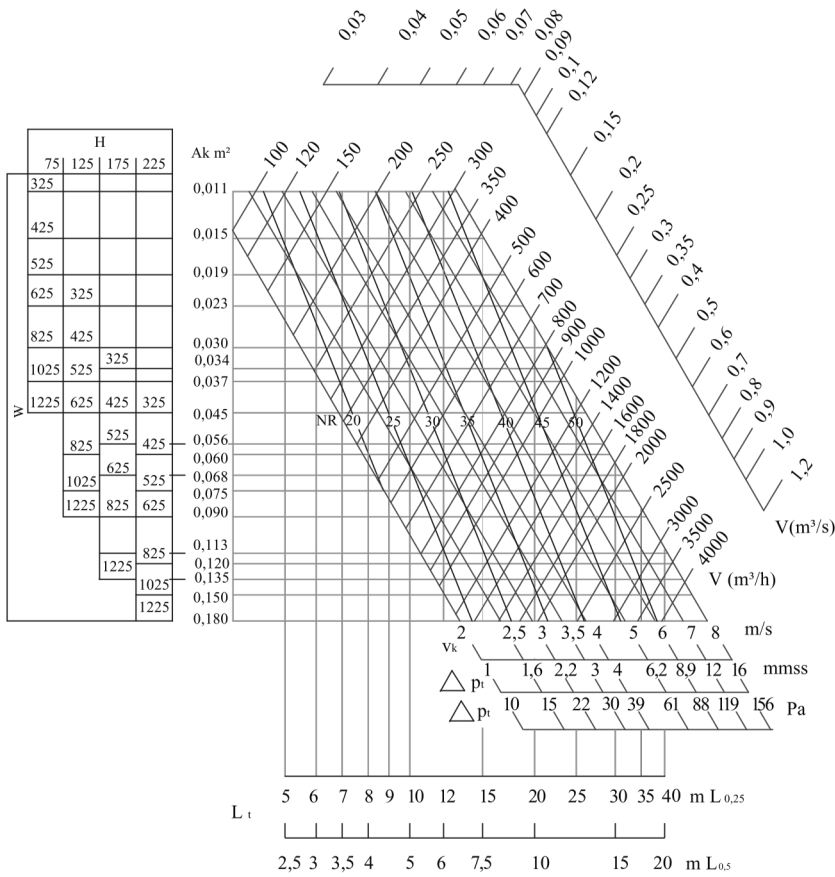
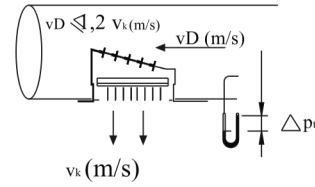
RHO-CR (for supply air)



Supply air with ceiling effect
D=max 0,30m



Supply air without ceiling effect
D=max 0,90m



Correction factor for Vt

vk (m/s)	0,25	0,375	0,5	0,625
A	×1	×0,67	×0,5	×0,4
B	×0,7	×0,47	×0,35	×0,28

vD ≤ 3 m/s

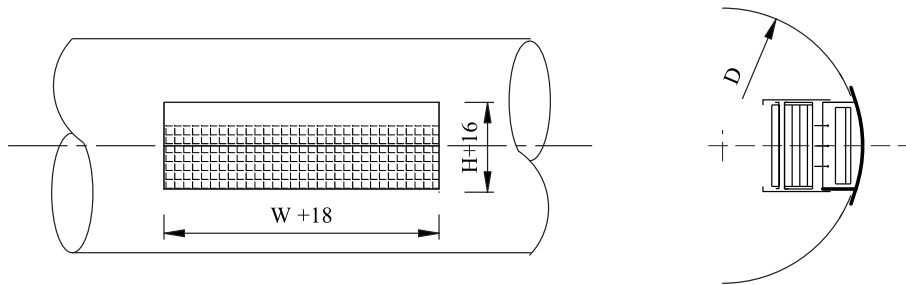
ΔPi	×0,5
NR	- 4

NOTE: The working points were measured with open OD damper.

Installation

RHO-CR / RHO-CS

The product is installed into circular ducts.



W×H mm	Grille size / Duct nominal diameter	D mm	a	b
225×75		150 ↓ 400	52	32
325			52	32
425			52	32
525			52	32
625	52		32	
825	52		32	
1025	52		32	
1225	52		32	
225×125	300 ↓ 900	52	32	
325		52	32	
425		52	32	
525		52	32	
625		52	32	
825		52	32	
1025		52	32	
1225		52	32	
225×175	500 ↓ 1500	52	32	
325		52	32	
425		52	32	
525		52	32	
625		52	32	
825		52	32	
1025		52	32	
1225		52	32	
325×225	600 ↓ 2400	52	32	
425		52	32	
525		52	32	
625		52	32	
825		52	32	
1025		52	32	
1225		52	32	

a=Rho-CS depth (without damper)

b=Rho-CR depth (without damper)

Damper depth: +40 mm for OB damper



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