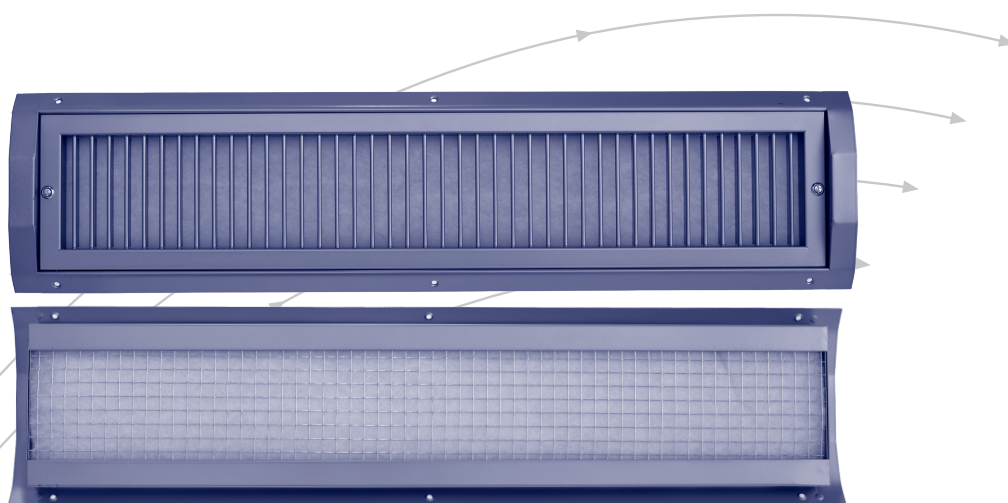


Diffusion grille with filter

Types DG / DGR / DGRA / DGX / DGRX / DGRAX / DGL



TROX® **TECHNIK**



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Safety instructions

CAUTION!

Damage to the product due to improper handling. Check the device for damage and contamination prior to operation!

Improper handling may lead to considerable material damage of the product.

- Do not use any acid or abrasive cleaning agents.
- Adhesives from sticky tape may lead to colour damage.
- Excessive moisture may lead to colour damage and corrosion.
- Use only cleaning agents, greases and oils that are expressly specified.

CAUTION!

Risk of injury from sharp edges and corners, ridges and thin-walled sheet metal parts!

- Proceed carefully with all work.
- Wear protective gloves, safety shoes and protective helmet.

WARNING!

Danger from incorrect use. Misuse of the product may lead to dangerous situations.

The product must not be used:

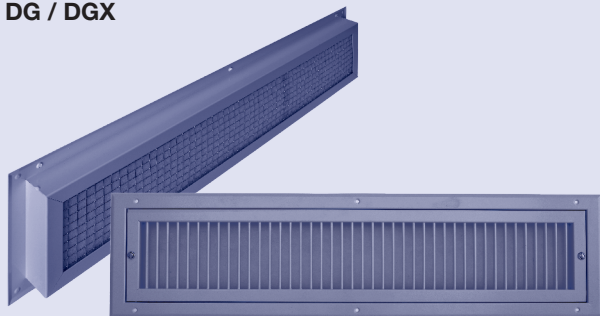
- in areas subject to explosion hazards;
- in the open air without sufficient protection against weather effects;
- in atmospheres that may have a damaging and/or corrosive effect on the product due to scheduled or unscheduled chemical reactions.

Variants: DG / DGL / DGX

Variants: DG / DGL / DGX

Available in steel, stainless steel and aluminium

DG / DGX



B [mm]	B1 [mm]	D [mm]	F [mm]	No. fixing holes
200	157	167	-	4
250	207	217	-	4
300	257	267	-	4
400	357	367	-	4
500	457	467	-	4
600	557	-	283.5	6
750	707	-	358.5	6
900	857	-	433.5	6

H [mm]	H1 [mm]	C [mm]	No. caps
100	57	125	2
150	107	175	2
200	157	225	2
250	207	275	4
300	257	325	4

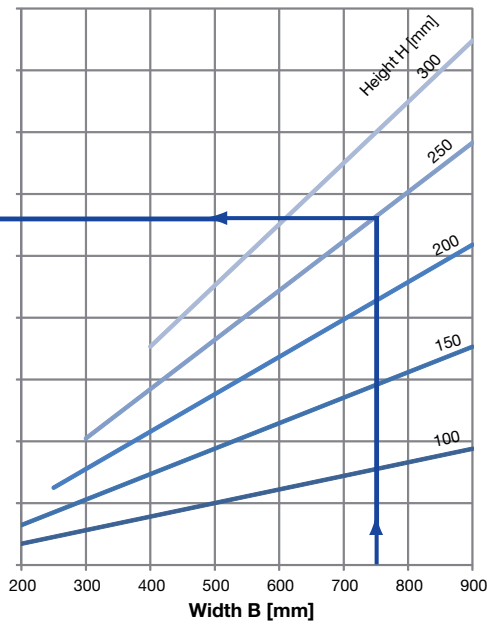
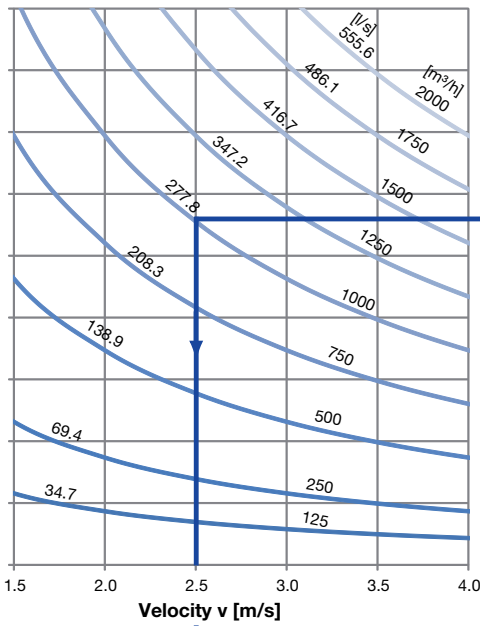
DGL

B [mm]	B1 [mm]	D [mm]	F [mm]	No. fixing holes
200	157	134	-	4
250	207	184	-	4
300	257	234	-	4
400	357	334	-	4
500	457	434	-	4
600	557	-	267	6
750	707	-	342	6
900	857	-	417	6

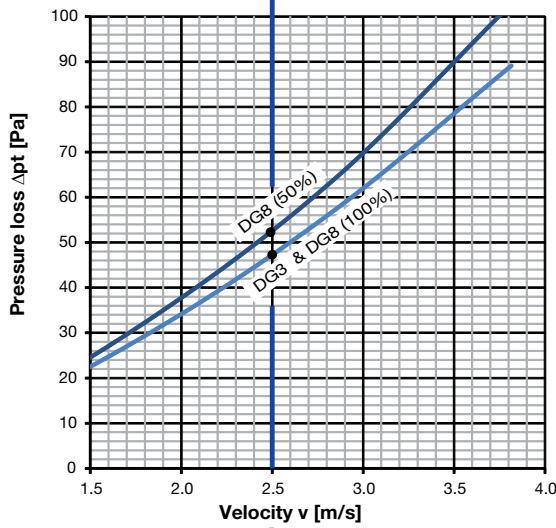
H [mm]	H1 [mm]	C [mm]	No. Caps
100	57	125	2
150	107	175	2
200	157	225	2
250	207	275	4
300	257	325	4

Volume · Pressure loss · Sound power level

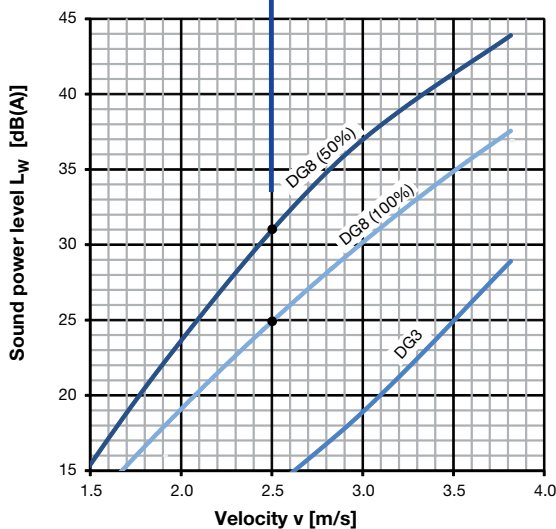
Volume flow and velocity



Pressure loss



Sound power level



Example:

Given: DG8FL / 750x250
 $V = 1000 \text{ m}^3/\text{h}$
 Filter grille with opposed blade damper

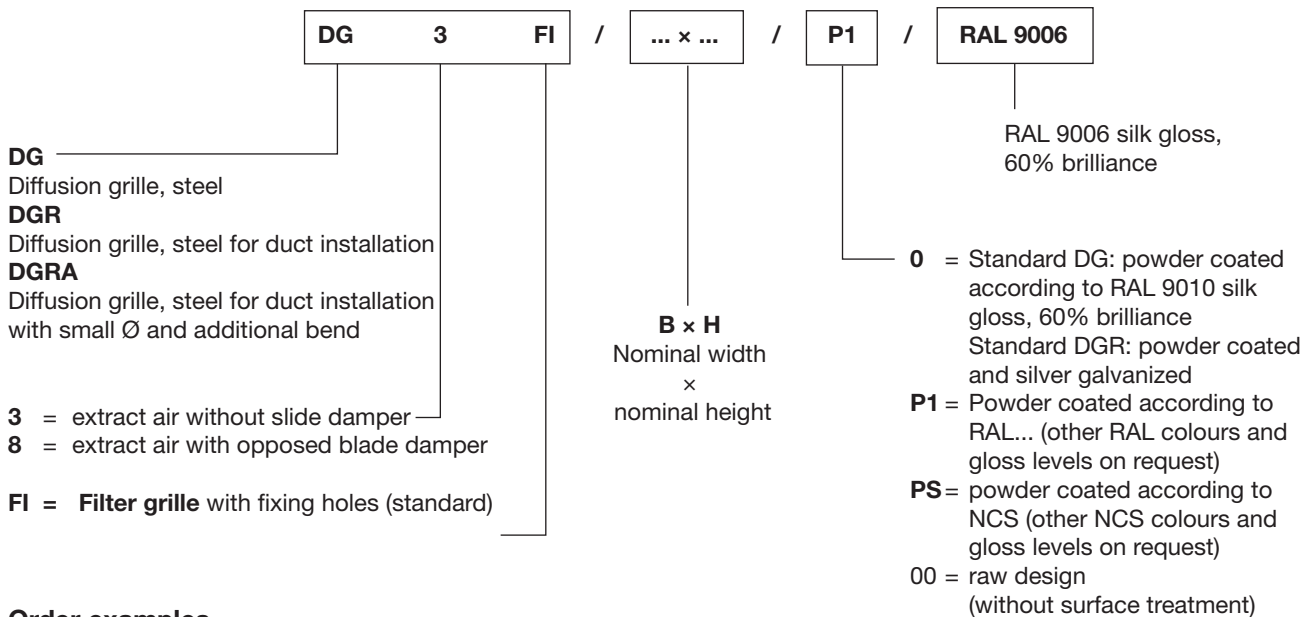
Wanted: v , Δp_t , L_w

Solution: see marked example
 $v = 2,5 \text{ m/s}$

DG8FL 100% open
 $\Delta p_t = 47 \text{ Pa}$, $L_w = 25 \text{ dB(A)}$

DG8FL 50% open
 $\Delta p_t = 53 \text{ Pa}$, $L_w = 31 \text{ dB(A)}$

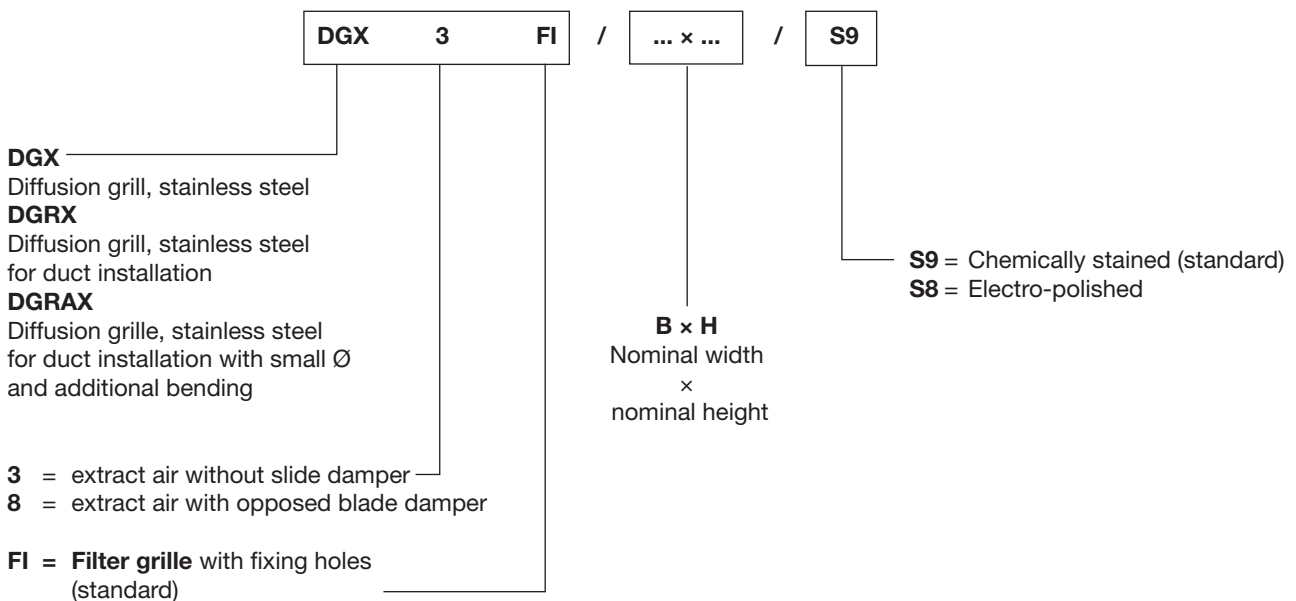
Order codes DG



Order examples

26 off DGR 3 FI / 600 × 100
 10 off DGR 8 FI / 500 × 150 / P1 / RAL 9006

Order codes DGX

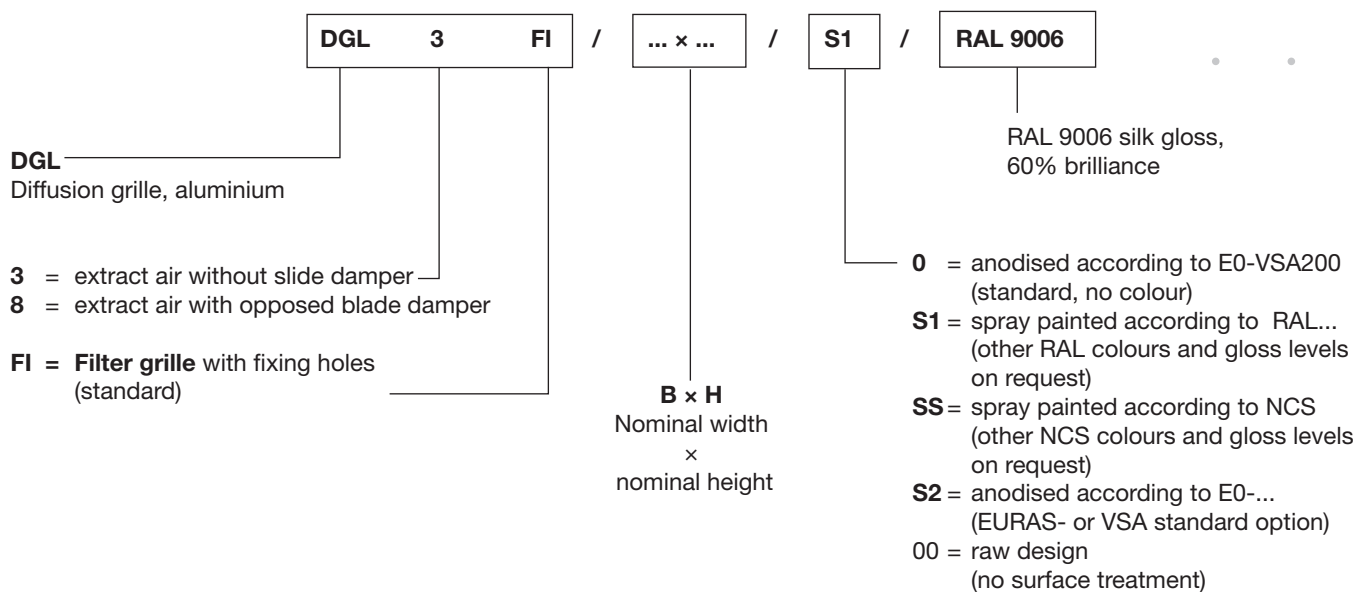


Order examples

17 off DGRX 3 FI / 600 × 100 / S9
 12 off DGRAX 8 FI / 500 × 150 / S8

Order details

Order codes DGL



Order examples

38 off DGL 3 FI / 600 × 100
20 off DGL 8 FI / 500 × 150 / S1 / RAL 9006

Texts for tenders

Diffusion grill for used air with vertical blades, or with screwed on slide damper, vertical, coupled opposed blade damper. With G3 coarse dust filter, re-usable and with quick fit caps for rapid filter changes. Various designs available in steel, stainless steel and aluminium.

Other details are available in our separate diffusion grille brochures.