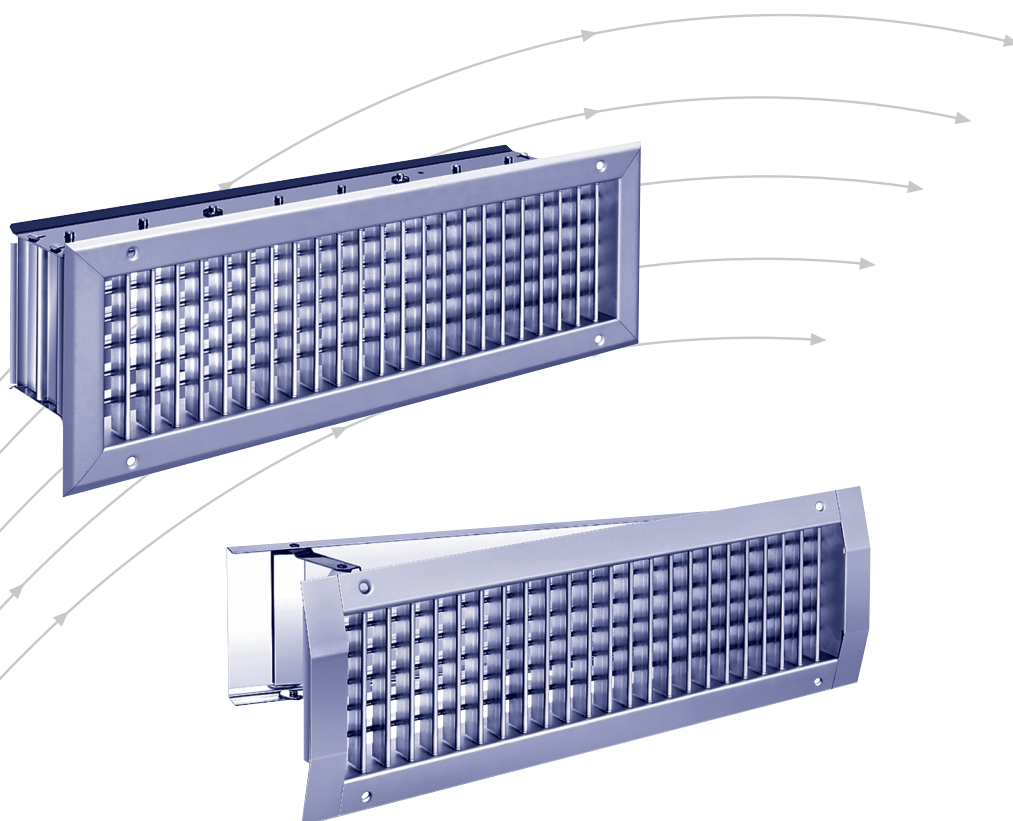


Diffusion grilles of stainless steel

Type DGX / DGRX



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The well-designed diffusion grilles made of stainless steel are to a large extent intensive to aggressive environmental influences and detergents.

Application

The diffusion grilles of stainless steel can be used for supply and exhaust air. Due to the different types and sizes available, an optimum solution is ensured for each individual application. The prospectus provide detailed information on the utilization of the steel diffusion grilles (see prospectus L-02-1-01e - L-02-1-09e).

Diffusion grilles of stainless steel DGX conserve their good aspect for years, do not require any surface protection, and are not charged with static electricity. They are used wherever hygienic and aesthetic requirements are given high priority.

In swimming pools only diffusion grilles made from stainless steel may be used conditionally.

Realisation

Material

- The following materials are used:
 - 1.4301
 - 1.4303
 - 1.4310
 - 1.4401
 - 1.4404
- Foam gasket: good chemical resistance
- Fixing screw: V2A
- Surface: chemically etched (mat finish)

Special realisation

- Electropolished
- Continuous grilles upon request

Safety instructions

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.

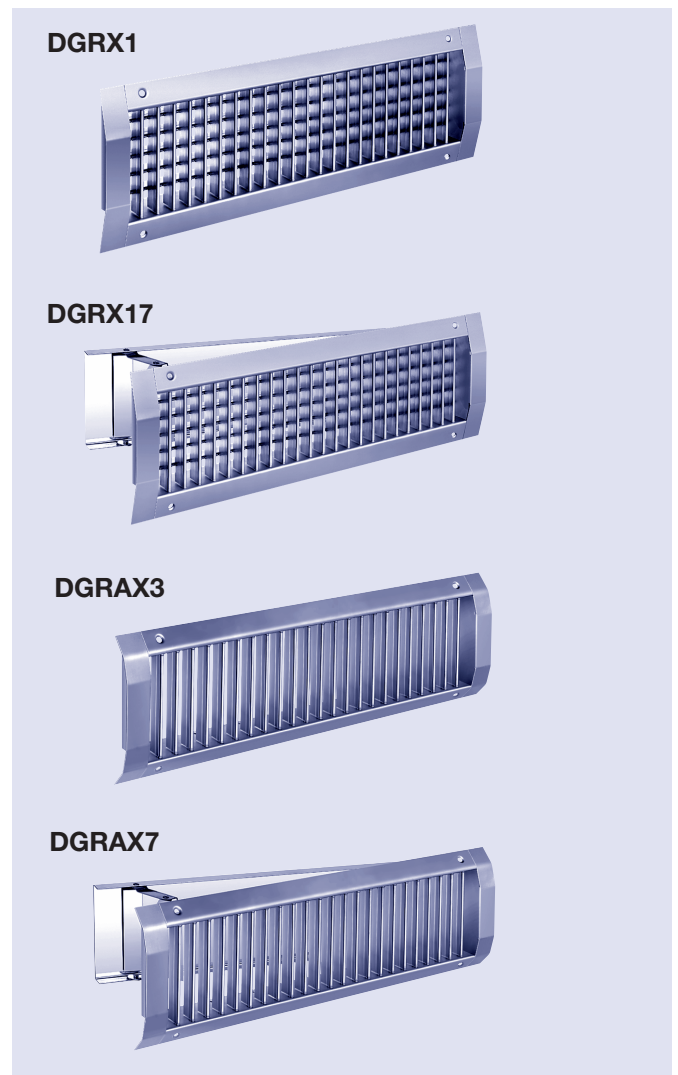
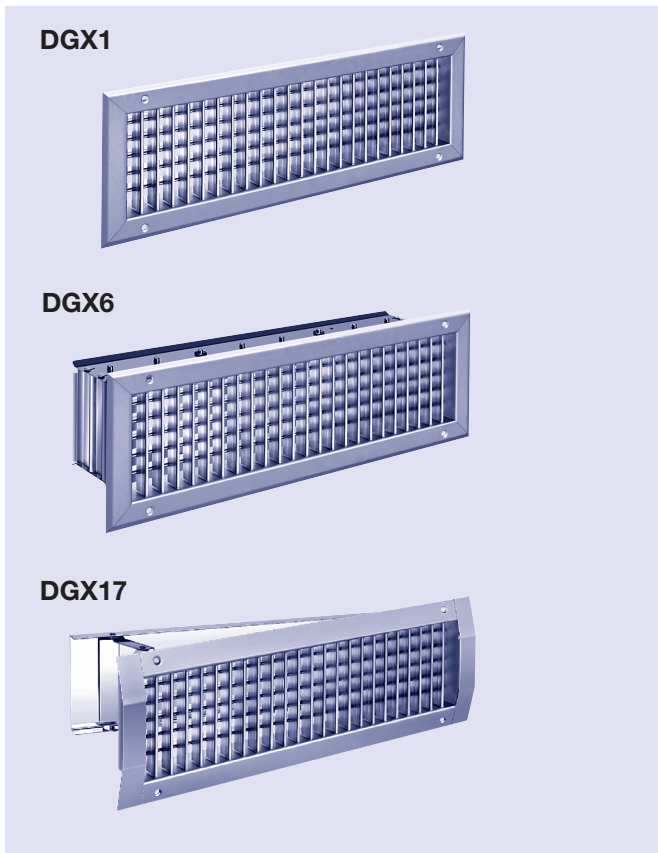
CAUTION!

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.

Dimensions · Rapid selection · Installation



Dimensions / Rapid selection type DGX

nominal width B x nominal height H mm

- no stock, manufactured upon order
- return not possible
- price upon request

Nom. length B [mm]	Nominal height														
	50			100			150			200			250		
	ZL [m³/h]	H [mm]	AL [m³/h]	ZL [m³/h]	H [mm]	AL [m³/h]	ZL [m³/h]	H [mm]	AL [m³/h]	ZL [m³/h]	H [mm]	AL [m³/h]	ZL [m³/h]	H [mm]	AL [m³/h]
500	208	50	243	417	100	487	625	150	730						
600	250	50	292	500	100	584	750	150	876	1000	200	1168	1250	250	1460
750							938	150	1095	1250	200	1460	1563	250	1825

Base: Directly flowing resp. flowing off
 ZL = supply air, $v_{\text{eff}} = 3.0 \text{ m/s}$, $\Delta p_s = 3.5 \text{ Pa}$
 AL = exhaust air, $v_{\text{eff}} = 3.5 \text{ m/s}$, $\Delta p_s = 8 \text{ Pa}$
 L_w for nominal dimension 600 x 100 mm:
 $L_{wZL} = 21 \text{ dB(A)}$, $L_{wAL} = 25 \text{ dB(A)}$

Legend
 v_{eff} = velocity of effective air
 Δp_s = static pressure drop
 L_w = sound power level

Dimensions and realisation details type DGRX, DGRAX
 see prospectus type DGR L-02-1-09e.

Dimensions, mounting and range application

The dimensions correspond to the normal steel diffusion grilles.
 Please refer to the prospectus DG1 to DG17 and steel diffusion grille for duct installation.
 Mounted with screws. The cross-recessed screws $\varnothing 3.9 \times 13$, DIN 7983 C with point, material V2A, accompany the grilles on delivery.

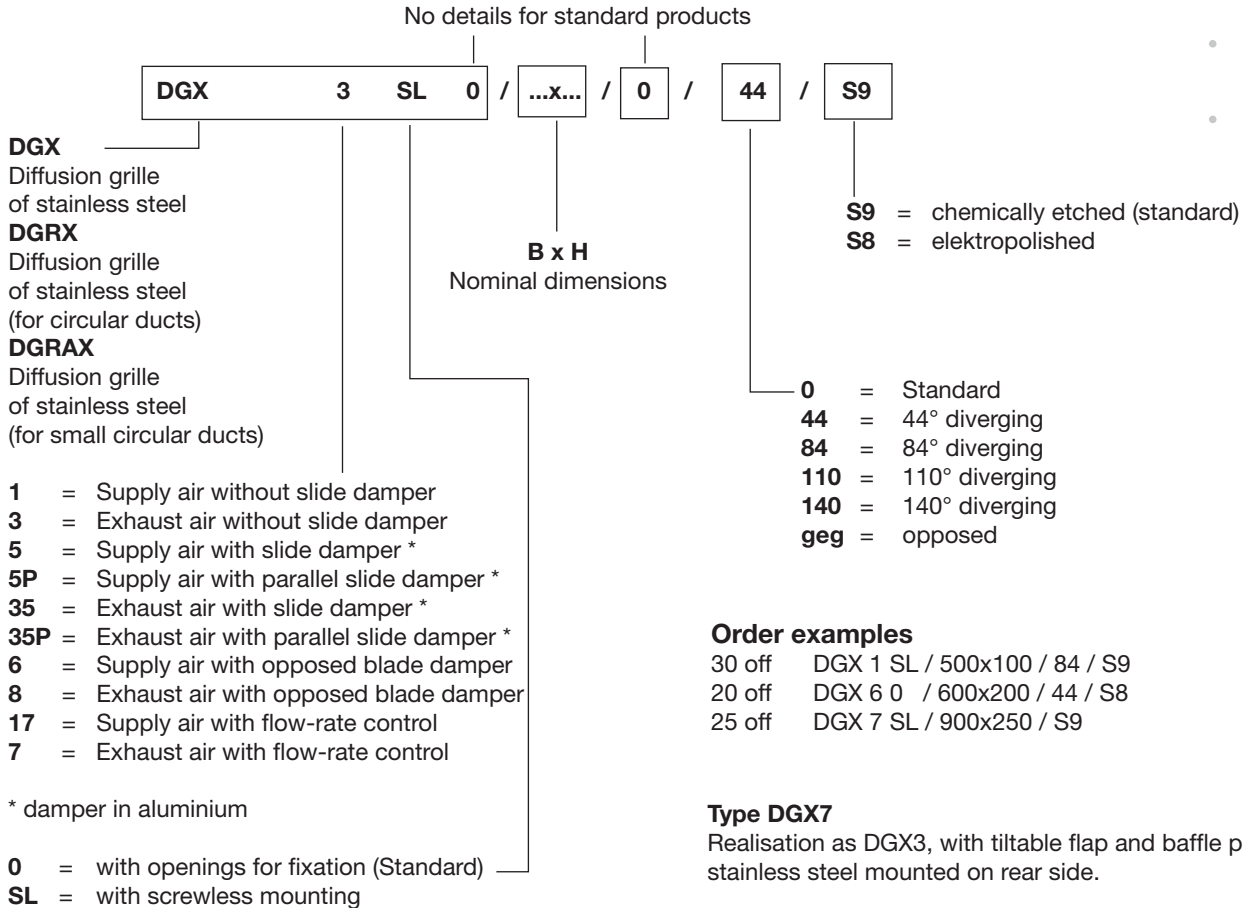
The ranges of application are also indicated in the DG-steel prospectus of the different types of grilles.

Dimensioning

Free surface = 77% of the nominal area B x H.
 Outlet velocity, flow rate, throw and pressure drop values are found in 'Dimensioning of TROX HESCO diffusion grilles'.

Order Details

Order codes



Text for tendering purposes

Type DGX1

Diffusion grille (supply air/exhaust air) with individually adjustable **vertical** (in front) and **horizontal** (behind) blades, designed for favorable flow. Angular frame with countersunk screw holes and foam gaskets.

Material

The following materials are used:
1.4301, 1.4303, 1.4310, 1.4401, 1.4404

Fixing screw: V2A

Surface: chemically etched (mat finish)

Type DGX3

Realisation as DGX1 but with individually adjustable **vertical** blades only.

Type DGX6

Realisation as DGX1, with opposed blade damper of stainless steel mounted on rear side.

Order examples

30 off DGX 1 SL / 500x100 / 84 / S9
20 off DGX 6 0 / 600x200 / 44 / S8
25 off DGX 7 SL / 900x250 / S9

Type DGX7

Realisation as DGX3, with tiltable flap and baffle plate of stainless steel mounted on rear side.

Type DGX8

Realisation as DGX3, with opposed blade damper of stainless steel mounted on rear side.

Type DGX17

Realisation as DGX1, with tiltable flap and baffle plate of stainless steel mounted on rear side.

Type DGRX1 DGRAX1

Diffusion grille (supply air/exhaust air) with individually adjustable **vertical** (in front) and **horizontal** (behind) blades, designed for favorable flow, for direct duct installation. Angular frame with countersunk screw holes and foam gaskets.

Type DGRX3 / DGRAX3

Realisation as DGRX1, but with **vertical** blades only.

Type DGRX7 / DGRAX7

Realisation as DGRX3, with tiltable flap and baffle plate of stainless steel mounted on rear side.

Type DGRX17 / DGRAX17

Realisation as DGRX1, with tiltable flap and baffle plate of stainless steel mounted on rear side.