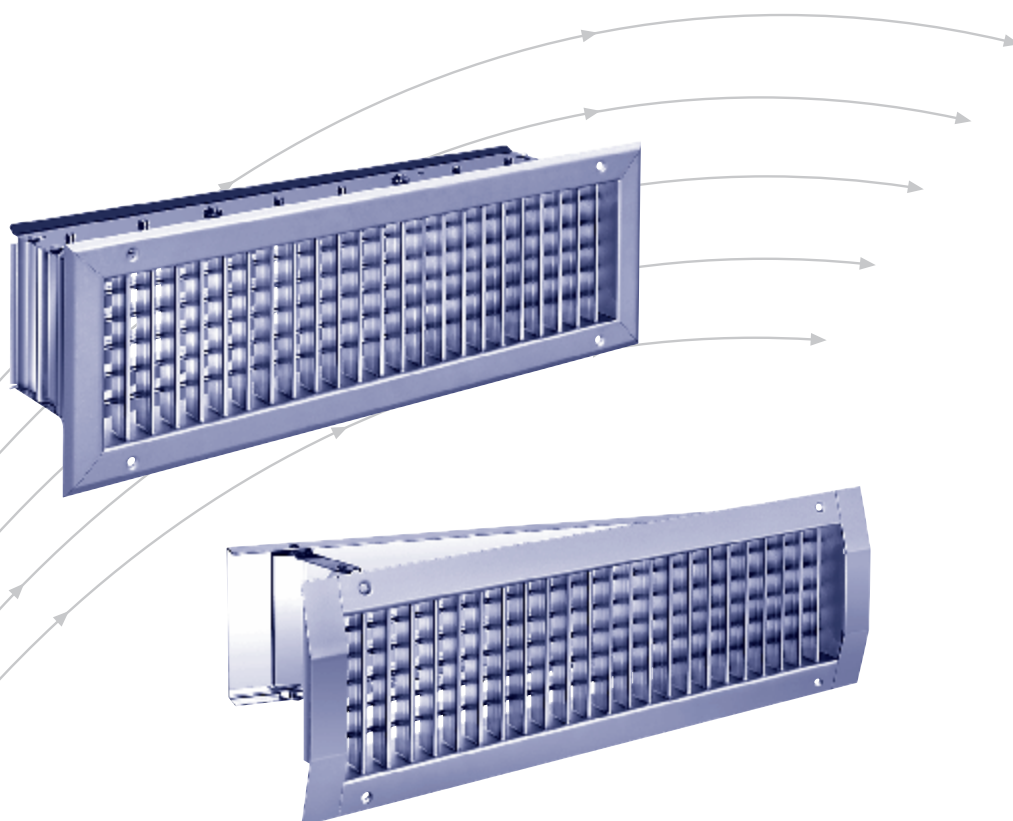


Diffusion grilles of stainless steel

Type DGX / DGRX



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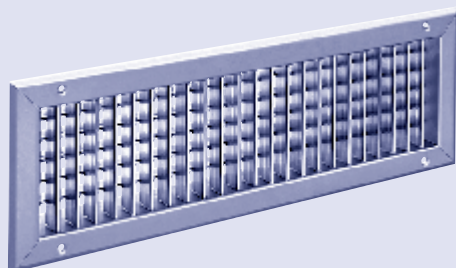
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Contents

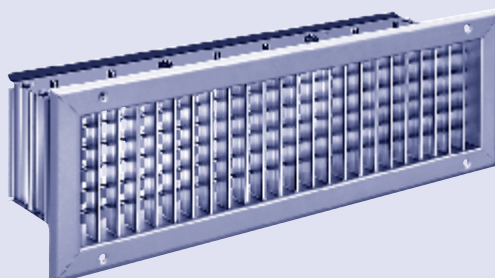
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The well-designed diffusion grilles made of stainless steel are to a large extent intensive to aggressive environmental influences and detergents.

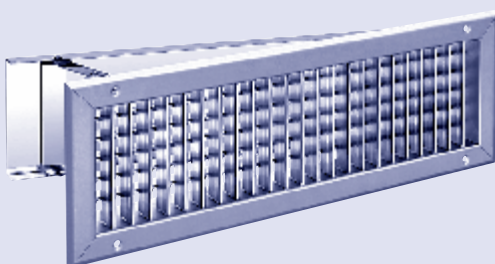
DGX1



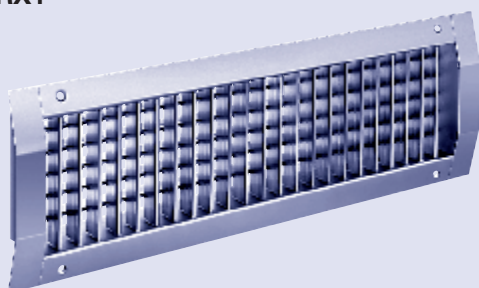
DGX6



DGX17



DGRX1

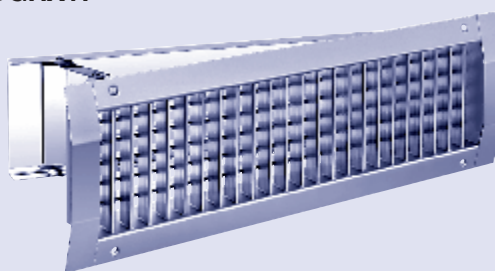


Application

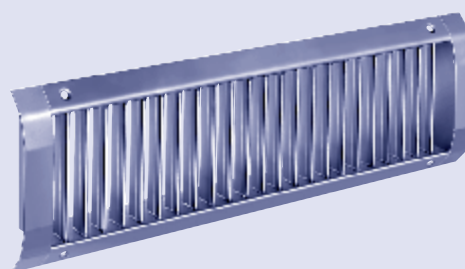
The diffusion grilles of stainless steel can be used for supply and exhaust air. Due to the different types and sizes available, an optimum solution is ensured for each individual application. The prospectus provide detailed information on the utilization of the steel diffusion grilles (see prospectus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

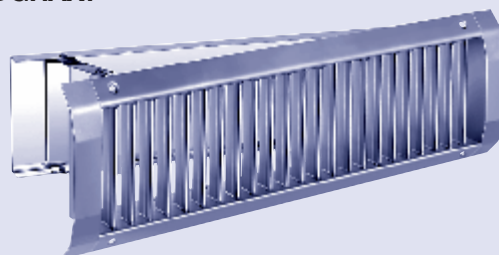
DGRX17



DGRAX3



DGRAX7



Dimensions · Rapid selection · Installation

Realisation

Material

- Grille and opposed blade damper: V4A, material number 1.4401, 1.4335 and 1.4310
- Foam gasket: good chemical resistance
- Fixing screw: V2A, material number 1.4301 and 1.4305
- Surface: chemically etched (mat finish)

Special realisation

- Electropolished
- Types DGX1 and DGX6 continuous grilles

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															
	ZL [m ³ /h]	H [mm]	AL [m ³ /h]	ZL [m ³ /h]	H [mm]	AL [m ³ /h]	ZL [m ³ /h]	H [mm]	AL [m ³ /h]	ZL [m ³ /h]	H [mm]	AL [m ³ /h]	ZL [m ³ /h]	H [mm]	AL [m ³ /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, 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

Ø 3.9 x 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

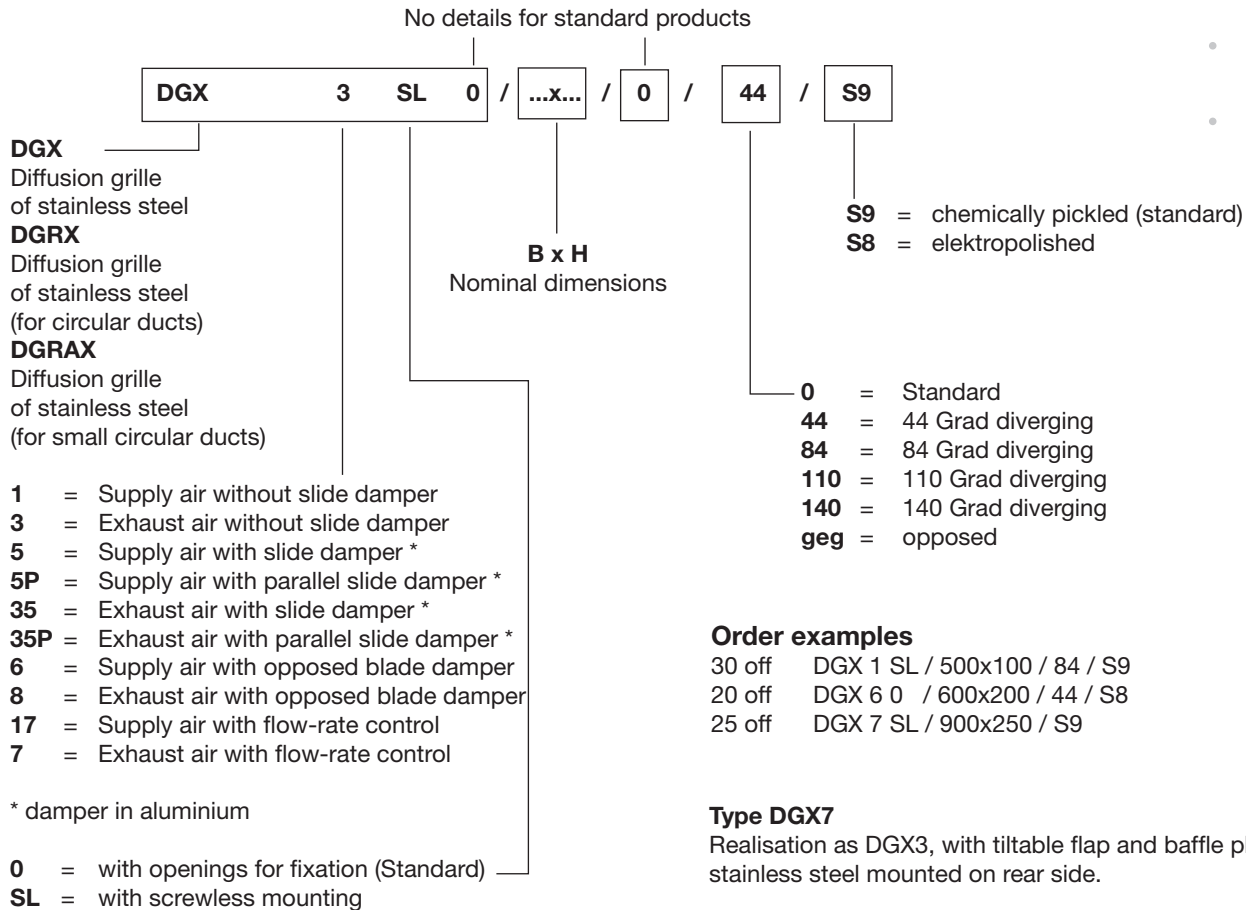
Free surface = 77% of the nominal area B x H.

Outlet velocity, flow rate, throw and pressure drop values are found in 'Dimensioning of TROX HESCO diffusion grilles'.

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

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

Grille and throttle elements: V4A, material number 1.4401, 1.4435 and 1.4310
 Foam gasket: good chemical resistance
 Fixing screw: V2A, material number 1.4301 and 1.4305
 Surface: chemically pickled (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.