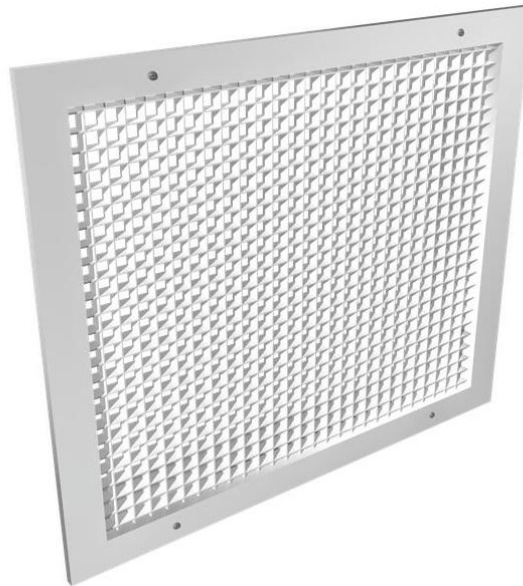


SQUARE GRID GRILLES

Rev.02
26-05-2015



GMC SGG-004 PRODUCT SPECIFICATIONS:

- Standard Material: Aluminum profiles and Aluminum sheets.
- Usable for supply and return air ducts, have a useful decorative design.
- Both horizontal and vertical blades are fixed to the frame.
- Has two models: 12 mm (SGG-104) and 20 mm (SGG-204) according to grid size between blades.
- On request, damper can be added to control air flow rate; Service panel can be added, also.
- Standard frame: Grilles with 22mm or 32mm.
- Eloxal, anodizing or electrostatic powder coating with the color from RAL catalogue.



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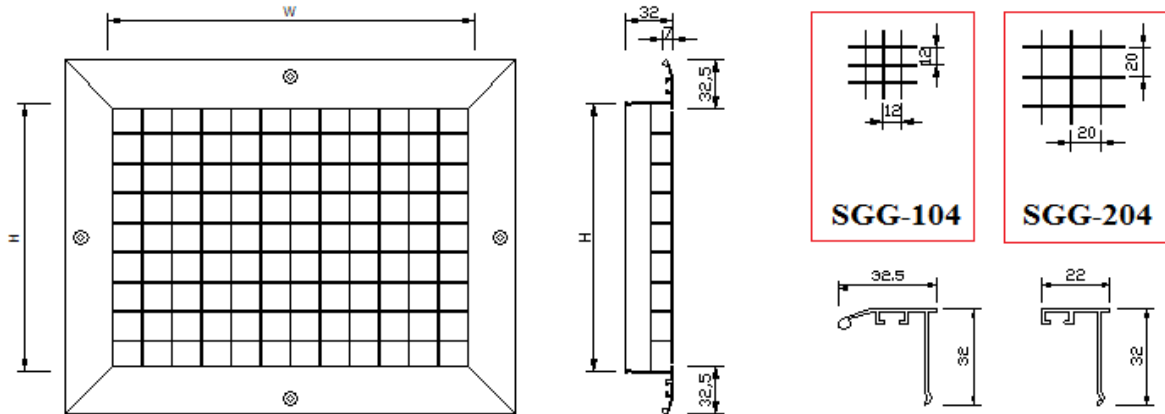
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SQUARE GRID GRILLES

Rev.02
26-05-2015

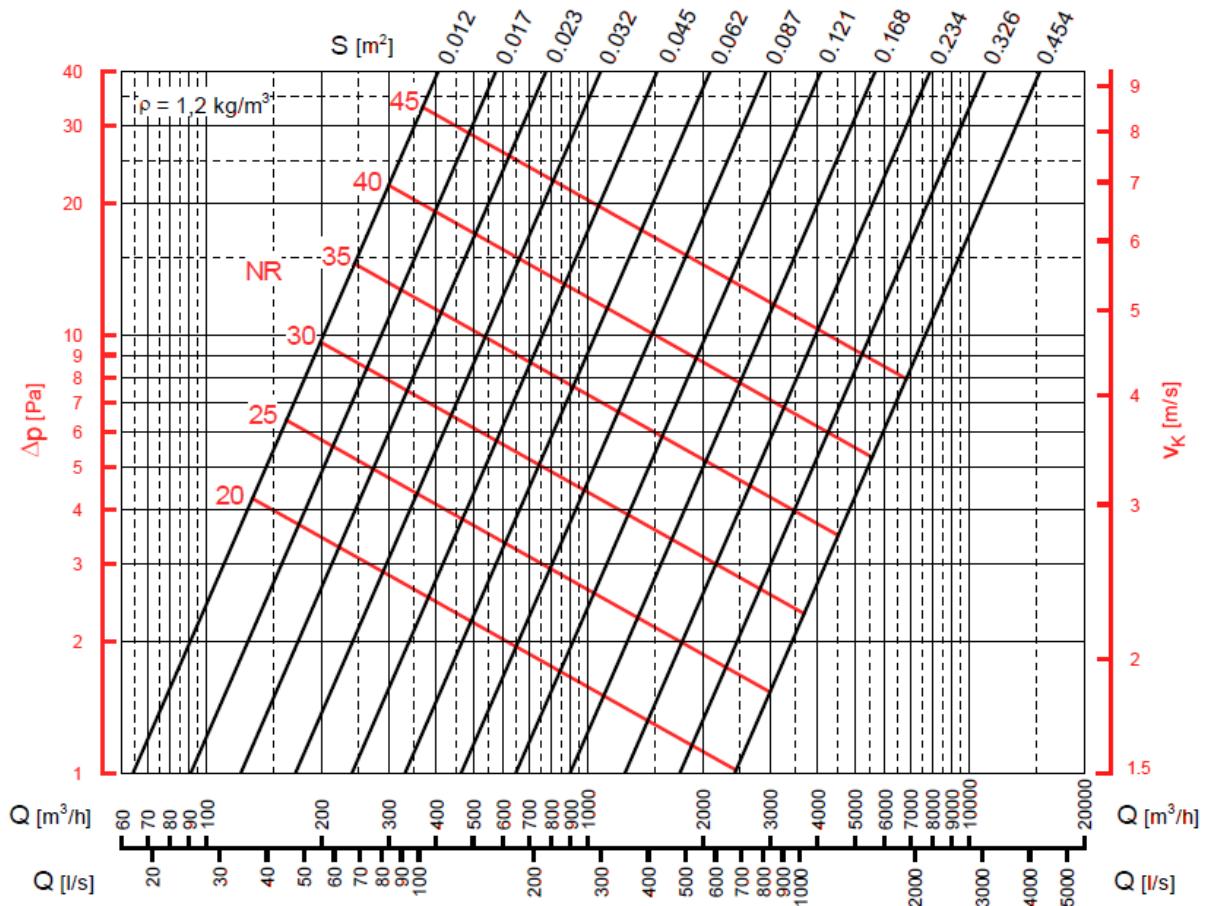


TECHNICAL DETAILS



DATA DIAGRAMS

SGG-004, PRESSURE LOSS AND NOISE LEVELS



Q [m³/h] [l/s] supply air flow rate
S [m²] effective outlet area
v_k [m/s] velocity relating to the effective outlet area S
Δp [Pa] total pressure loss



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SQUARE GRID GRILLES

Rev.02
26-05-2015



SGG-004, EFFECTIVE AREA TABLE (m²)

S (m ²)	100	150	200	250	300	350	400	500	600	700	800	900	1000
100	0,005	0,008	0,012	0,015	0,018	0,022	0,025	0,031	0,037	0,044	0,051	0,056	0,063
150	0,008	0,013	0,019	0,023	0,028	0,034	0,038	0,049	0,058	0,069	0,079	0,088	0,099
200	0,012	0,019	0,028	0,034	0,041	0,050	0,057	0,072	0,086	0,101	0,117	0,131	0,146
250	0,015	0,023	0,034	0,043	0,051	0,062	0,07	0,09	0,107	0,126	0,146	0,162	0,182
300	0,018	0,028	0,041	0,051	0,061	0,074	0,084	0,108	0,128	0,151	0,174	0,194	0,217
350	0,022	0,034	0,050	0,062	0,074	0,091	0,103	0,131	0,155	0,184	0,212	0,236	0,265
400	0,025	0,038	0,057	0,070	0,084	0,103	0,116	0,149	0,176	0,208	0,241	0,268	0,3
450	0,027	0,043	0,063	0,079	0,094	0,115	0,130	0,166	0,197	0,233	0,269	0,300	0,336
500	0,031	0,049	0,072	0,090	0,108	0,131	0,149	0,19	0,225	0,266	0,307	0,342	0,383
550	0,034	0,053	0,079	0,098	0,118	0,143	0,162	0,207	0,246	0,291	0,336	0,374	0,419
600	0,037	0,058	0,086	0,107	0,128	0,155	0,176	0,225	0,267	0,315	0,364	0,406	0,454

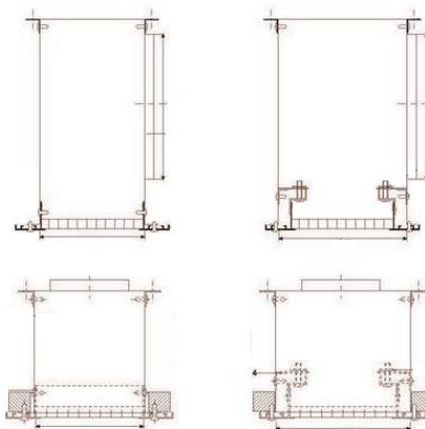
MOUNTING DETAILS

1. Screw Mounting Detail
2. Clip Mounting Detail
3. Plenum Box Dimensions



B (mm)	H (mm)			
	100	150	200	300
200	ø80			
250	ø100	ø125		
300	ø125	ø160	ø200	
400	ø125	ø160	ø200	
500	ø125	ø160	ø200	
600	600	ø160	2 x ø200	ø250
800	800			2 x ø250
1000	1000			2 x ø250

4. Plenum Box Mounting Detail



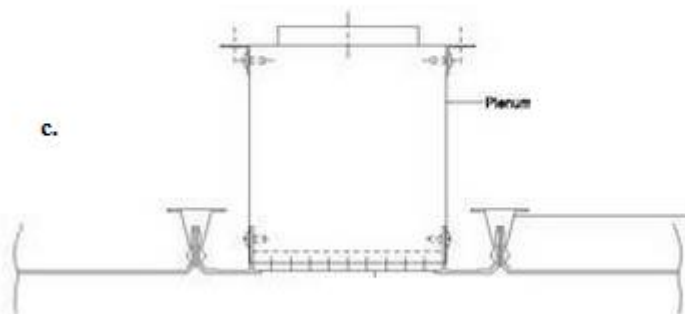
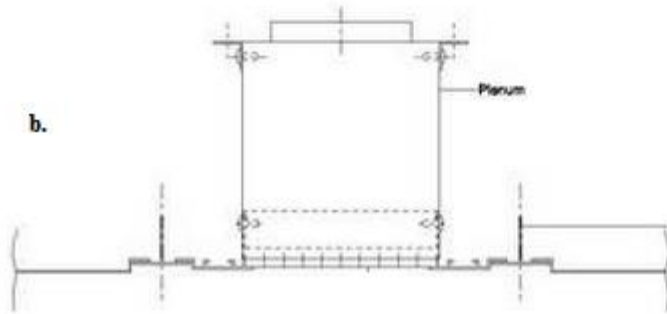
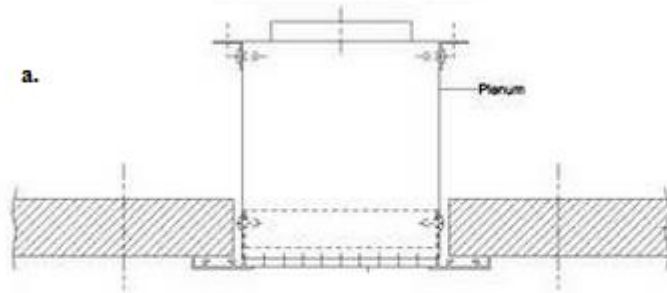
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Rev.02
26-05-2015



5. Ceiling Mounting

- a. Drywall Mounting Detail
- b. Suspended Roof Mounting Detail
- c. Clip-in Mounting Detail



SQUARE GRID GRILLES

Rev.02
26-05-2015



ORDER PARAMETERS

SGG-004	PL	22	PFD	OD9010	SM	N 400X400
SGG-104: 12mm grid SGG-204: 20mm grid						N: Neck Size F: Frame Size
00: No Accessory FL: with Filter PL: with Plenum Box						00: No Mounting BF: Blind Frame SM: Screw Mounting CM: Clips Mounting
22: Frame=22mm 32: Frame=32mm						00: No coating EX: Eloxal Coating OD----: Oven Drying Coating
000: Without Damper OFD: Opposite Flap Damper PFD: Parallel Flap Damper						

