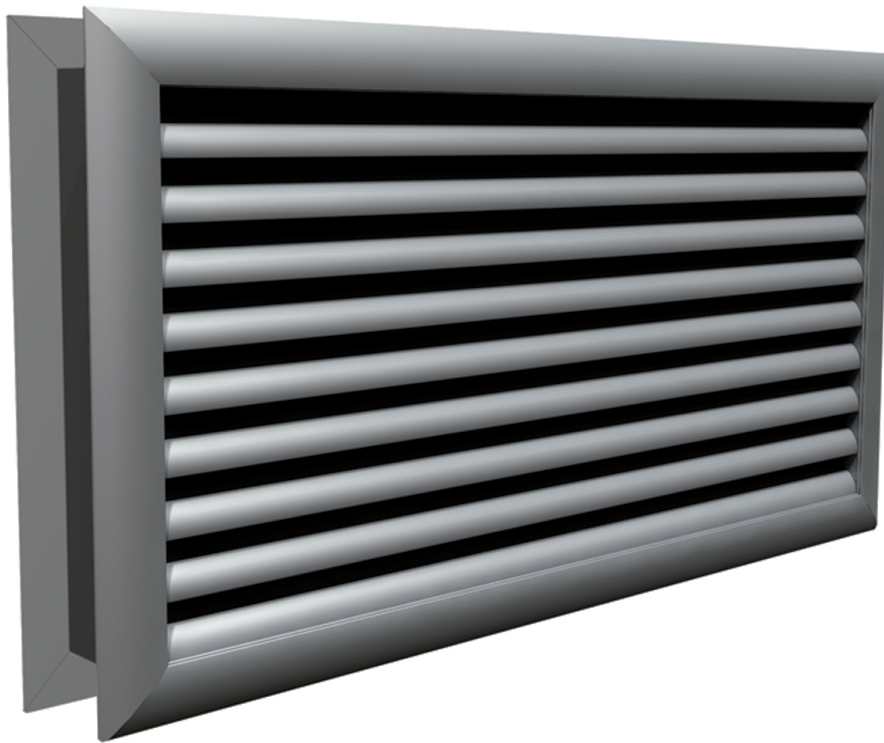


**E.02**Fire resistant
grilles**Gz60+GzKV+
GzKF**— Fire resistant grilles
— Rectangular

Fire resistant door and transfert grilles type Gz60+GzKV+GzKF

Rectangular fire resistant ventilation grilles **GZ60** are applicable for fire compartmentation within buildings. The grille is made of blades, which swell at a temperature of approximately 100°C, thereby closing the opening. The fire resistant grilles are only applicable in systems without pressure (natural ventilation). Due to its form, in combination with fixed finishing frame **GZKF** and variable counterframe **GZKV** and possibility of availability in 3 different colors, it forms an aesthetic alternative on existing fire resistant grilles

Application

- In fire resistant walls, doors, floors and ceilings
- Fire resistant up to 1 hour.
- Not suitable for outdoor use
- Maintenance-free
- Available in standard sizes and upon request in sizes 100 upto 800 mm in width and 100 upto 400 mm in height
- Standardly equipped for door thickness between 40 and 50 mm with fixed frame **GZKF** and variable counterframe **GZKV**. For door thickness between 50 and 68 mm a grille with 2 variable frames **GZKV** can be ordered upon request (also see drawing in download area)

Material

- PVC lamellas and frame with intumescent material inside, coated with colored foil

Colour

- Standard delivered in alu-look pearl light grey **RAL9022**
- Upon request in white **RAL9016**
- Upon request in graphite grey **RAL7024**

Composition

- Grille **GZ60** with fixed finishing frame **GZKF**
- Variable telescopic counterframe **GZKV**

Mounting

- To be mounted in fire resistant walls, doors, floors or ceilings by means of fire resistant silicone **FP402** or MS polymer glue **TEC 7**



Certification

- Approval according to EN 13501-2: EI60

Accessories

- Fire resistant silicone, type **FP402**
- Fire resistant plaster, type **BP**
- Fire resistant PU foam, type **BAP**

Other available products

- GZ60** without finishing frames available upon request
- GZ60** with only fixed frame **GZKF** available upon request
- GZ60 + GZKV + GZKV** with 2 variable frames **GZKV** available upon request
- GZ60 (+GZKF +GZKV)** in white **RAL9016** available upon request
- GZ60 (+GZKF +GZKV)** in graphite grey **RAL7024** available upon request

Text for tender

- The fire resistant grilles will be of the type for rectangular openings in fireproof compartmentation walls. The grilles have a fire resistance of 1 hour. The grilles can only be used in systems where in case of fire no pressure is being applied upon the grille. The grills will be mounted with fix finishing frame and counterframe to form an aesthetic Design
- CAIROX** type **Gz60 + GzKF + GzKV**

Order example

- GZ60 + GZKF + GZKV, 400, 200, RAL9022**

Explanation

GZ60 = Type of fire resistant grill

+ **GZKF** = With fixed finishing frame

+ **GZKV** = With Variable counter-frame

400 = Length of grill

200 = Height of grill

RAL9022 = aluminum color

Quick selection table								
H/L [mm]	200	300	400	500	600	700	800	
100	19.3	28.5	38	47.8	58.1	67.8	79.7	Q(Δp=2Pa)
	42.50	65.3	88.2	111.4	134.7	158.2	182.0	Q(Δp=10Pa)
200	48.3	76.5	107.4	141.0	177.2	216.1	257.7	Q(Δp=2Pa)
	112.5	175.1	239.1	304.5	371.1	439.1	508.5	Q(Δp=10Pa)
300	80.8	133.0	192.2	258.4	331.7	412.0	499.3	Q(Δp=2Pa)
	184.2	289.2	397.7	509.7	625.2	744.3	866.8	Q(Δp=10Pa)
400	116.7	197.7	292.1	400.1	521.5	656.4	804.8	Q(Δp=2Pa)
	257.6	407.3	563.8	727.0	897.0	1073	1257	Q(Δp=10Pa)

Symbols and specifications

- H/L [mm] = Height and Width of grille in mm
- Q[m³/h] = Air volume in m³/h
- Δp2Pa = Pressure loss of 2 Pa over the grille
- Δp10Pa = Pressure loss of 10 Pa over the grille

Free air passage								
H/L [mm]	200	300	400	500	600	700	800	
100	0.01071	0.01638	0.02205	0.02772	0.03338	0.03905	0.04472	Sn [m²]
	53.55	54.60	55.13	55.44	55.63	55.79	55.90	Sn [%]
200	0.02179	0.03344	0.04509	0.05674	0.06839	0.08003	0.09168	Sn [m²]
	54.48	55.73	56.36	56.74	56.99	57.16	57.30	Sn [%]
300	0.03288	0.05050	0.06813	0.08576	0.10339	0.12102	0.13864	Sn [m²]
	54.80	56.11	56.78	57.17	57.44	57.63	57.77	Sn [%]
400	0.04396	0.06757	0.09117	0.11478	0.13839	0.16200	0.18561	Sn [m²]
	54.95	56.31	56.98	57.39	57.66	57.86	58.00	Sn [%]

Symbols and specifications

- H/L [mm] = Height and Width of grille in mm
- Sn [m²] = Free area given in m²
- Sn [%] = Free area given in %

