



## GE100+

The specific range for the evacuation of gases in power generators, data centers, fire pumps and cogeneration systems in dry conditions

Double-wall stainless steel modular chimney with external seal and intermediate insulation of 100 mm rockwool of 100 kg/m<sup>3</sup> density

**FIRE RESISTANCE CLASSIFICATION: EI 240 ve-ho (o?i)**

The DINAK GE100+ range has been tested in accordance with test standard EN 1366-13, specifically for chimneys, and classified as "fire resistant" according to the new EN 13501-2-2023 classification standard

This solution prevents the spread of fire from outside to inside, vertically and horizontally

## ★ Benefits

### Variety

The Dinak GE+ product range is available in different insulation thickness configurations (30 mm, 50 mm or 100 mm), in order to select the one that best suits the needs of each installation

### No compensators

Individual absorption of internal wall expansion without the need for additional compensators

### Easy installation

The connection system between parts facilitates their installation, speeding up installation times and guaranteeing gas tightness. Assembly without the need for press-fitting

## Technical features

### Generic

Overlap: 40 mm

Sealing of the joints between elements by means of an external silicone seal (Ø80/280 to 500/700) or a ring sealed with neutral silicone, resistant to high temperatures (Ø550/750 to 800/1000 mm)

No thermal bridging and individual absorption of internal wall expansion in each element without the need to install compensators and additional fixed points

Safety ends on the edges for increased safety and mechanical strength

Removable

### Temperature classes

Up to 600 °C (T600)

### Diameters

80/280	100/300	125/325	150/350	175/375	200/400
250/450	300/500	350/550	400/600	450/650	500/700
550/750	600/800	650/850	700/900	750/950	800/1000

### Materials and thicknesses

#### Inner wall:

AISI 304 BA (1.4301) or AISI 316L BA (1.4404) stainless steel

#### Thickness:

0,4 mm from Ø80/280 to 600/800 mm

0.6 mm from Ø650/850 to 800/1000 mm

#### Outer wall:

AISI 304 BA (1.4301) or AISI 316L BA (1.4404) Stainless steel

#### Thicknesses:

0.4 mm from Ø80/280 to 175/375 mm

0.5 mm from Ø200/400 to 450/650 mm

0,6 mm from Ø500/700 to 800/1000 mm

Stainless steel AISI 409L BA (1.4512) "consult Dinak"

#### Thicknesses:

0,4 mm from Ø80/280 to 175/375 mm

0.6 mm from Ø200/400 to 600/800 mm

#### Insulation:

100 mm rock wool insulation with a density of 100 kg/m<sup>3</sup>

### Sealing classes

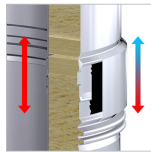
H1 (up to 5,000 Pa overpressure)

**Certifications**

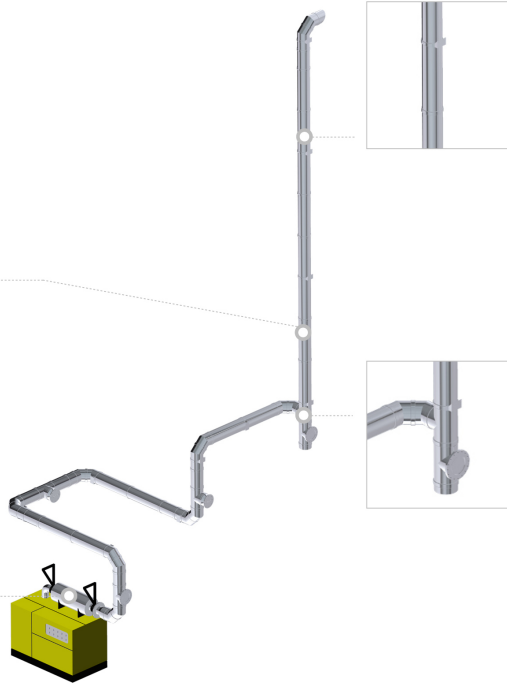


**Assembly**

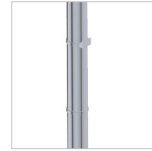
Free expansion of the inner wall in the female and fixed in the male. Due to the high insulation, there is no need for an external expansion joint.



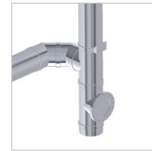
The connection between equipment and the duct must be a fixed point, without vibration or expansion of equipments, whether it is flanged or welded.



Outer wall temperature.



Implosion and explosion protection panels to protect the chimney from possible damage caused by implosions due to sudden engine shutdowns or explosions of unburnt fuel in the chimney.



Do you want more information about **GE100+**?

**Contact us**

**[sales@dinak.com](mailto:sales@dinak.com)**

**+34 986 45 25 26**