DINAK EI120

Twin Wall modular stainless steel flue systems that passes through different fire sectors. 100 mm thick mineral wool filler insulation. Applications: ventilation and evacuation of combustion products

0036

0036 CPD 90220 035

AISI 316L (1.4404)
EN 1856-1 T600 N1 D V2 L50040 G10
EN 1856-1 T600 H1 D V2 L50040 O30
AISI 304 (1.4301)
EN 1856-1 T600 N1 D Vm L20040 G10
EN 1856-1 T600 H1 D Vm L20040 O30
for diameters bigger than 300 mm, please check the CE Certificate

DINAK EI CLASSIFICATION

The DINAK EI 120 range has been tested in compliance with norm UNE-EN 1366-1, and has obtained the following classifications for fire resistance as a ventilation conduit, and in compliance with norm EN 13501-3:2005:

Ventilation	EI 120 (ve i↔o)	EI 120 (ho i↔o)

Likewise, the DINAK EI 120 range holds the following classifications for fire resistance as a control conduit for fire smoke, according to norm UNE-EN 13501-4:2007:

Fire smoke control	EI 120 (vertical) S500multi	EI 120(horizontal) S500multi

MATERIALS

- Inner wall: Stainless steel AISI 304 (1.4301) or AISI 316L (1.4404)
- Outer wall: Stainless steel AISI 304 (1.4301) or AISI 316L (1.4404) Stainless steel AISI 430 (1.4016) check availability with DINAK
- Insulation: mineral wool, minimum thickness 100 mm

INSTALLATION CHARACTERISTICS

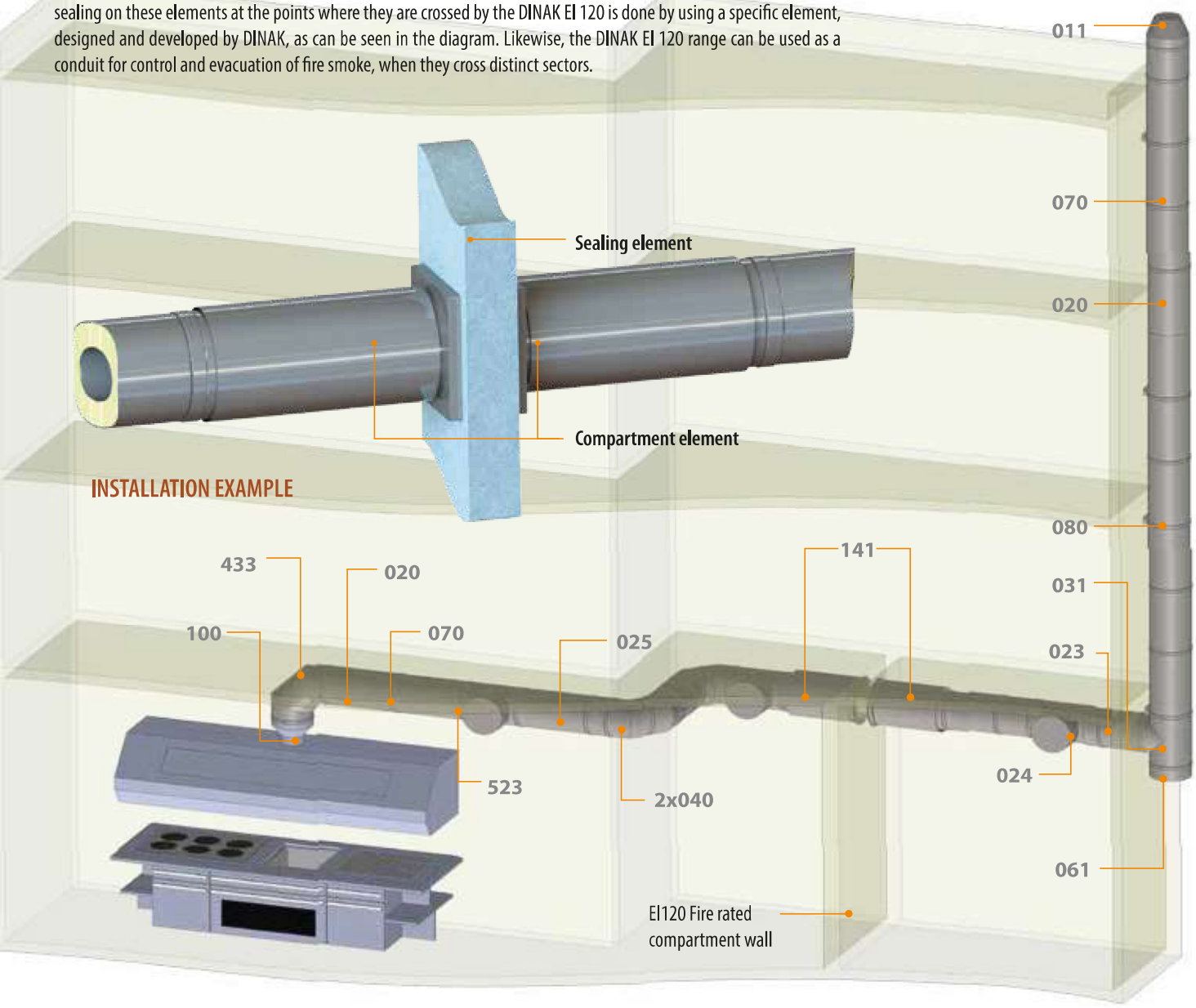
- Maximum gases temperature 600 °C
- Admissible overpressure 5.000 Pa

APPLICATIONS

- Boilers for heating and hot water production
- Bakery and patisserie ovens
- Living room and household chimneys
- Boilers and ovens for industrial use
- Cooker extractor hoods
- Generator sets and Pumps for fire fighting
- Control and evacuation of fire smoke

SEALING FIRE COMPARTMENTS WITH DINAK EI120

In accordance with the above classifications, and in compliance with what is established in the Technical Building Code DB, the DINAK EI 120 range can pass through EI 120 fire compartimentation elements horizontally and vertically. The sealing on these elements at the points where they are crossed by the DINAK EI 120 is done by using a specific element, designed and developed by DINAK, as can be seen in the diagram. Likewise, the DINAK EI 120 range can be used as a conduit for control and evacuation of fire smoke, when they cross distinct sectors.



The DINAK EI120 range incorporates a stainless steel perimeter ring on the inside of the female end of the outer wall, on to which neutral, high temperature resistant, silicon sealant can be applied, and which guarantees perfectly airtight joints

The + DINAK EI120

- DINAK EI 120 assures compliance with norms in force regarding fire security
- DINAK EI 120 system offers the easiest application (only one flue to be installed)
- DINAK EI 120 is a more economical approach than the other systems on the market