

iECO Insulated EuroCO

HOW IT WORKS:

The Colt iECO is an automatic day to day and smoke ventilator for highly efficient natural ventilation that requires no external sources of energy. The iECO can also provide natural daylight entry.

APPLICATIONS:

Industrial, commercial and public buildings.

FEATURES AND BENEFITS:

The iECO is a cost-effective and reliable louvred ventilator, with a particularly high life expectancy, a wide range of variations and low heat losses. Its optimised louvre and body designs mean that it can achieve a U value of up to $1.6 \text{ W / m}^2 \text{ K}$.

Its features and benefits are described overleaf.



KEY FEATURES

Hail resistance

class H5

Optimized U value of up to 1,6 W/m² K

(depending on the version selected)

Insulated Housing

with XPS hard foam sheet

Low initial and running costs

Tested and certified according

to **EN 12101-2**

5 types of

polycarbonate sheets

Standard and hail-protection versions, with either transparent or opaque louvres, as well as a Comfort Light version where additional protection is required against high temperatures. Further colour versions available on request

A huge range

a wide variety of possible sizes, louvre designs and control types

Highly efficient

ventilation that requires **no external sources** of energy

Has been tested according to GS-Bau-18 in the closed as well as the open position, as well as being

permanently resistant to people falling through it.

LOUVRE TYPES

The Colt iECO is an automatic ventilator for highly efficient natural ventilation, which has a wide variety of possible sizes, louvre designs and control types.

Where a standard ventilator is fitted with louvres parallel to the ridge, it can be installed from 0° to 90° (wall mounting) from the horizontal.

Two louvre versions are available:

A21 Double skin insulated aluminium louvres

P16 6mm thick polycarbonate louvres

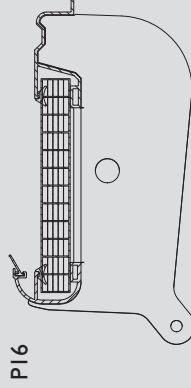
All polycarbonate panels are UV-coated on both sides. This prevents the louvres from going yellow. A key feature of the isolated EuroCO is a U value of up to 1.6 W / m² K (depending on the version).

The following controls options are available:

- Linear actuator
- Spring return motor
- Damper actuator
- Pneumatic cylinder
- Manual controls

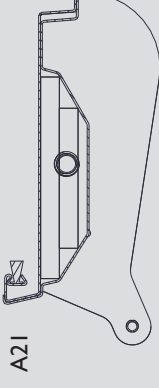
The iECO can be equipped with a thermal fuse. This opens the unit in case of fire at a defined temperature of either 68 °C – 72 °C – 93 °C – 141 °C or 182 °C.

Optionally, an iECO may be combined with a Colt Weatherlite ventilated upstand to provide rain-proof ventilation, and it is also available with a Colt Bird/Insect Guard.



P16

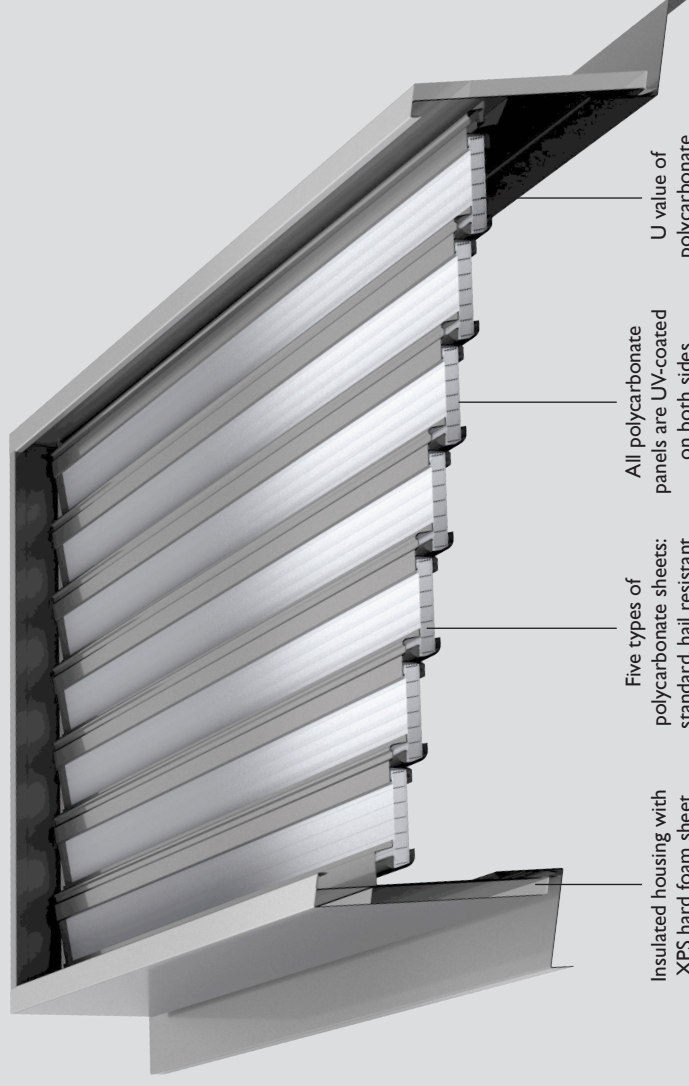
16mm thick polycarbonate louvres



A21

Double skin insulated aluminium louvres

SECTION



Insulated housing with XPS hard foam sheet

Five types of polycarbonate sheets: standard, hail resistant and resistant to high temperatures

All polycarbonate panels are UV-coated on both sides

U value of polycarbonate sheet up to 1.8 W / m² K