



**Institut pro testování a certifikaci, a.s.
Divize CSI - Centrum stavebního inženýrství**

Fire Technical Laboratory

**AUTHORIZED
BODY**

**NOTIFIED
BODY**

**CLASSIFICATION OF REACTION TO FIRE IN
ACCORDANCE WITH ČSN EN 13501-1:2019**

Applicant: RECUTECH s.r.o.
Poděbradská 289
530 09 Pardubice II
Czech Republic

Prepared by: Institut pro testování a certifikaci, a.s.
Divize CSI – Centrum stavebního
inženýrství
Pražská 16, 102 00 Praha 10
Czech Republic

Product name: *Enthalpy exchanger*

**Classification
report No.:** PK-22-151

Issue number: 1/2

Date of issue: 3rd October 2022

This classification report consists of 3 pages and may only be used or reproduced in its entirety.

1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product, *Enthalpy exchanger*, is defined as a type of heat exchanger for ventilation systems.

Description:

The product *Enthalpy exchanger* is fully described in the test reports in support of the classification listed in clause 2.

2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

Test reports

| Name of laboratory | Name of sponsor | Test report ref. no. | Test method |
|---|-----------------|----------------------|--------------------|
| ITC a.s., Divize CSI, Fire technical laboratory | RECUTECH s.r.o. | 22/P333 | ČSN EN ISO 11925-2 |

Measured values and test results:

| Test method | Parameter | Number of test | Results | |
|---|---|----------------|-------------------------------|-----------------------|
| | | | Continuous parameter mean (m) | Compliance parameters |
| ČSN EN ISO 11925-2 exposition = 15 s surface flame attack | $F_s \leq 150$ mm ignition of filter paper | 6 | yes | yes (E) |
| | | 6 | no | yes (d2) |
| ČSN EN ISO 11925-2 exposition = 15 s edge flame attack | $F_s \leq 150$ mm ignition of filter paper | 6 | yes | yes (E) |
| | | 6 | no | yes (d2) |

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

Reference and direct field of application

This classification has been carried out in accordance with the clause 11.3 of ČSN EN 13501-1:2019.

Classification

The product *Enthalpy exchanger*, in relation to its reaction to fire behaviour is classified:

E

The additional classification in relation to smoke production is:

not classified

The additional classification in relation to flaming droplets/particles is:

not classifiedThe format of the reaction to fire classification for *Enthalpy exchanger* is:

| Fire behaviour | | Smoke production | | | Flaming droplets | |
|----------------|---|------------------|----------------|---|------------------|----------------|
| E | - | s | not classified | , | d | not classified |

Reaction to fire classification: E**Field of application:**

This classification is valid for the following product parameters:

- Thickness: without limitation

4. LIMITATIONS**Restrictions**

This classification report is valid, provided that the technical specifications of the product will not be changed.

Warning

This document does not represent type approval or certification of the product.

Prepared: 

 Jiří Socha



Reviewed: 

 Vít Slaboch
 head of laboratory