



**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.  
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**Product name:** *Plastic counterflow heat exchanger  
RSF+, RSP+, REP+ range*

**Classification  
report No.:** PK-22-041

**Issue number:** 1/2

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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, *Plastic counterflow heat exchanger RSF+, RSP+, REP+ range*, is defined as a type of heat exchanger for ventilation systems.

### Description:

The product *Plastic counterflow heat exchanger RSF+, RSP+, REP+ range* 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/P090	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 *Plastic counterflow heat exchanger RSF+, RSP+, REP+ range*, 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 classified**The format of the reaction to fire classification for *Plastic counterflow heat exchanger RSF+, RSP+, REP+ range* 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.

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