Mercor Light&Vent sp. z o.o.
ul. Grzegorza z Sanoka 2
80-408 Gdańsk

tel. (+48) 58 341 42 45

# DECLARATION OF PERFORMANCE
# NO. 006-05-CPR-2015

1. **Unique identification code of the product type:**
   Fire dampers type mcr FID S/S c/P with a fire resistance classification according EN 13501-3:2005
   EI 120 (ve ho i↔o) S, EI 120 (ve i↔o) S
   EI 90 (ve ho i↔o) S, EI 90 (ve i↔o) S
   EI 60 (ve ho i↔o) S, EI 60 (ve i↔o) S

2. **Intended use and scope of application of the product:**
   Fire dampers type mcr FID S/S c/P are designed to be used in comfort (general) ventilation systems at places where these systems pass through space dividing elements of certain fire resistance class. The dampers are to prevent the spread of fire and smoke via ventilation systems.

3. **Manufacturer:**
   MERCOR Light&Vent Sp. z o.o., ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production Site, Ul. Kwarcowa 3a, 83-031 Cieplewo and 380-470.

4. **System of assessment and verification of constancy of performance of the product:**
   System 1.

5. **Construction product covered by the harmonised standard:**
   PN-EN 15650:2010 (EN 15650:2010).

6. **Notified body name and No., certificate of conformity No.:**
   Notified Body No. 1396, FIRES, Osloboditel`ov 282, 059 35 Batizovce, Słowacja
   Certificate of Constancy of Performance: 1396-CPR-0114

7. **Declared performance:**

| Essential characteristics | EN 15650 | Performance | Result |
|---|---|---|---|
| **Nominal activation conditions/sensitivity**<br>Sensing element response temperature<br>Sensing element load bearing capacity | 4.2.1.2<br>4.2.1.2.2.<br>4.2.1.2.3 | <br>ISO 10294-4: 2001, pkt 4.2<br>ISO 10294-4: 2001, pkt 4.2 | Pass |
| **Response time/ Closure time** | 4.2.2.2 | <2 minutes | Pass |
| **Operational reliability / Cycling** | 4.3.1. a) | C50 | Pass |
| **Fire resistance – integrity** | 4.1.1 a) | E120, E90, E60 | Pass |
| **Fire resistance – insulation** | 4.1.1 b) | EI120, EI90, EI60 | Pass |
| **Fire resistance – smoke leakage** | 4.1.1 c) | EIS120, EIS90, EIS60 | Pass |
| **Mechanical stability (E class)** | 4.1.1 a) | - | Pass |
| **Maintenance of the cross section (E class)** | 4.1.1 a) | - | Pass |
| **Operation time durability:** | 4.2.1.2.2<br>4.2.1.2.3 | - | Pass |
| **Reliability:** | 4.3.3.2 | 10.000 | Pass |

8. **Additional properties:**

| Additional characteristics | EN 15650 | Performance | Result |
|---|---|---|---|
| **Horizontal / vertical axis of rotation** | - | Yes | Pass |
| **Fire resistance classification** | 4.3.2 | EI 120 (ve ho i↔o) S *, EI 120 (ve i↔o) S **<br>EI 90 (ve ho i↔o) S *, EI 90 (ve i↔o) S **<br>EI 60 (ve ho i↔o) S *, EI 60 (ve i↔o) S ** | Pass |
| **Size range** | * Rectangular damper: from 100 x 100 to 800 x 400 [mm], max. surface area not greater than 0,32 m2<br>** Rectangular damper: from 100 x 100 to 1000 x 800 [mm], max. surface area not greater than 0,8 m2 | | |

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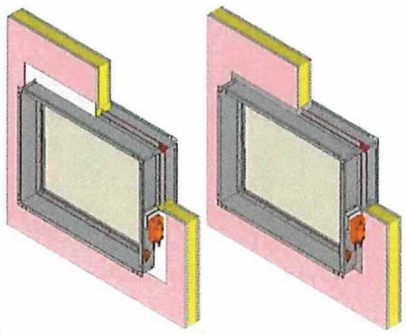
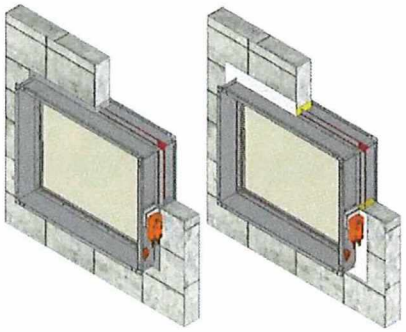
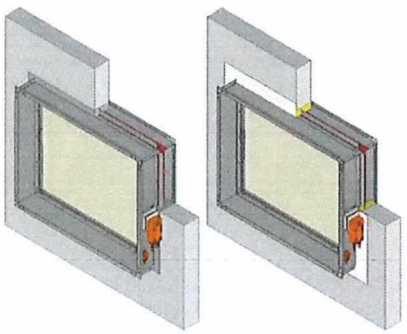
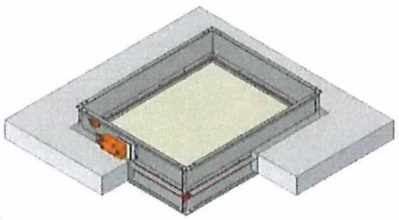
| Installation | Type of partition | Installation type | Partition thickness |
|---|---|---|---|
|  | lightweight walls/shafts made of boards | Using mortar or mineral wool | min. 125mm |
|  | Solid walls/shafts made of concrete blocks, hollow masonry units | Using mortar<br>Using mineral wool | min 120mm<br>min. 125mm |
|  | Solid walls/shafts | Using mortar<br>Using mineral wool | min. 120mm<br>min. 125mm |
|  | Solid ceiling | Using mortar | min. 150mm |

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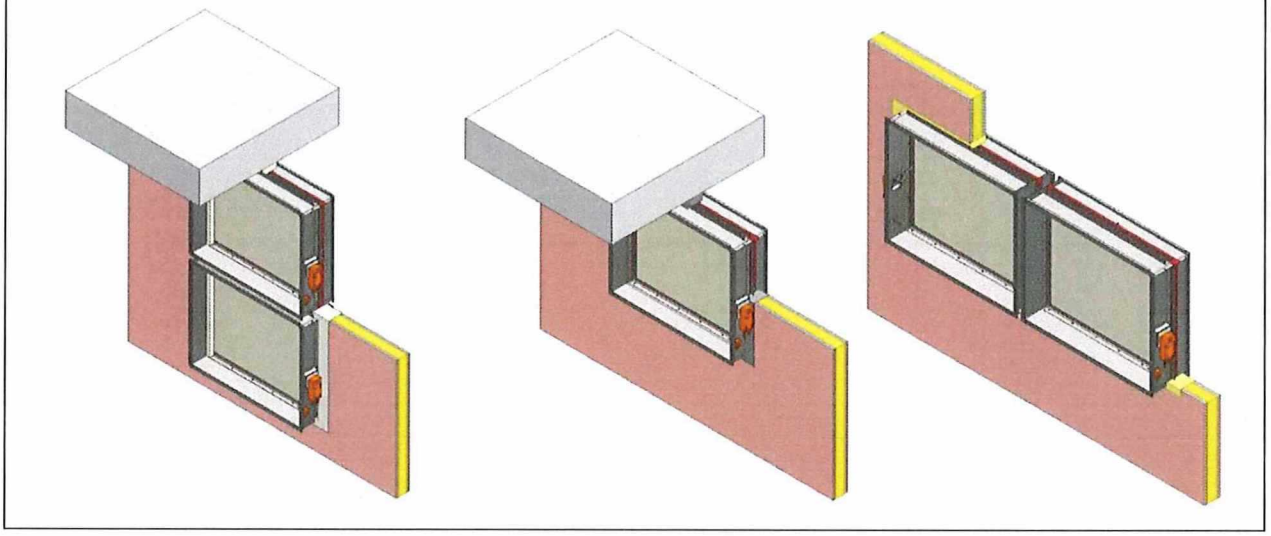
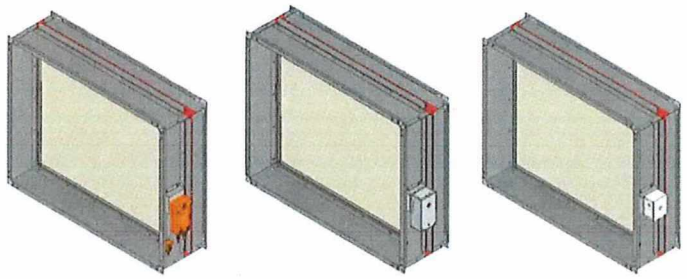
**Minimum distance of damper installation from the ceiling and between dampers**



**Release and control mechanisms**



Comfort ventilation damper actuators supplied with 24V and 230V

KW1 release and control mechanisms device with an electromagnetic trigger, supplied with 24V and 230V ensuring remote response comfort.

Release and control mechanisms type RST

The performance of the product identified above is in conformity with the set of declared performance/s (point 7). This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Tomasz Kobyliński
KIEROWNIK ZAKŁADU PRODUKCJI
SYSTEMÓW WENTYLACJI POŻAROWEJ

Gdańsk, 02.03.2026

Tomasz Kobyliński

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