1. Unique identification code of the product-type | **CFDM-V**

2. Products | Dampers – Fire dampers

   **Intended use**
   Fire safety. To be used in conjunction with partitions to maintain fire compartments in heating, ventilating and air conditioning installations.

   **Technical documentation**
   – product information, instruction for installation and maintenance, safety information

   Technical specifications | **TPM 118/16**

3. Manufacturer | MANDÍK, a.s.
   Dobříšská 550, 26724 Hostomice, Czech Republic
   ID 26718405, tel. +420 311 706 706
   mandik@mandik.cz, www.mandik.com

5. System of AVCP | System 1

6. Harmonised standard | EN 15650:2010

   **Notified body**
   Notified body No. 1391 PAVUS, a.s., Prosecká 412/74, 190 00 Praha 9 – Prosek

   **Output documents of the notified body**
   Certificate of Constancy of Performance No. 1391-CPR-2020/0129

7a. **Declared performances – fire resistance classification**

   Essential characteristics in accordance with EN 15650:2010, art. 4.1.1

<table>
<thead>
<tr>
<th>Fire separating construction, location of the damper</th>
<th>Installation type, installation system</th>
<th>Performance – class of fire resistance</th>
</tr>
</thead>
</table>
| **Solid wall construction** – damper in the wall – 100 mm min. wall thickness | Mortar or gypsum | As per purchase order  
   EI 120 \((v_0 \leftarrow o)\) S, or  
   EI 90 \((v_0 \leftarrow o)\) S, or  
   EI 60 \((v_0 \leftarrow o)\) S. |
| | Mineral wool with fire protection coating and cement lime plate | As per purchase order  
   EI 90 \((v_0 \leftarrow o)\) S, or  
   EI 60 \((v_0 \leftarrow o)\) S. |
| | Mineral wool boards with fire protection coating | As per purchase order  
   EI 90 \((v_0 \leftarrow o)\) S, or  
   EI 60 \((v_0 \leftarrow o)\) S. |

| **Gypsum plasterboard wall construction** – damper in the wall – 100 mm min. wall thickness | Mortar or gypsum | As per purchase order  
   EI 120 \((v_0 \leftarrow o)\) S, or  
   EI 90 \((v_0 \leftarrow o)\) S, or  
   EI 60 \((v_0 \leftarrow o)\) S. |
| | Mineral wool with fire protection coating and cement lime plate | As per purchase order  
   EI 90 \((v_0 \leftarrow o)\) S, or  
   EI 60 \((v_0 \leftarrow o)\) S. |
| | Mineral wool boards with fire protection coating | As per purchase order  
   EI 90 \((v_0 \leftarrow o)\) S, or  
   EI 60 \((v_0 \leftarrow o)\) S. |

| **Solid ceiling construction** – damper in the ceiling – ceiling thickness – min. 110 mm for concrete – min. 125 mm for aerated concrete | Mortar or gypsum | As per fire resistance class shown on the purchase order  
   EI 90 \((h_0 \leftarrow o)\) S, or  
   EI 60 \((h_0 \leftarrow o)\) S. |
| | Mineral wool plates with fire protection coating | As per fire resistance class shown on the purchase order  
   EI 90 \((h_0 \leftarrow o)\) S, or  
   EI 60 \((h_0 \leftarrow o)\) S. |

1) Refer to **Technical documentation** for the details of the installation type / installation system.
### 7b. Declared performances – other essential characteristics

<table>
<thead>
<tr>
<th>Essential characteristics</th>
<th>Requirements (provisions of the harmonised standard EN 15650:2010)</th>
<th>Performance (lever or class) / Compliance with the requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal activation conditions/sensitivity:</td>
<td>4.2.1.2</td>
<td>Conforms</td>
</tr>
<tr>
<td>– sensing element load bearing capacity</td>
<td>4.2.1.2.2</td>
<td>Conforms</td>
</tr>
<tr>
<td>– sensing element response temperature</td>
<td>4.2.1.2.3</td>
<td>Conforms</td>
</tr>
<tr>
<td>Response delay (response time):</td>
<td>4.2.1.3</td>
<td>Conforms</td>
</tr>
<tr>
<td>– closure time</td>
<td>4.2.1.3</td>
<td>Conforms</td>
</tr>
<tr>
<td>Operational reliability:</td>
<td>4.3.1, a)</td>
<td>0 cycles – conforms</td>
</tr>
<tr>
<td>– cycling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Durability of response delay:</td>
<td>4.2.1.2.2</td>
<td>Conforms</td>
</tr>
<tr>
<td>– sensing element response to temperature and load bearing capacity</td>
<td>4.2.1.2.3</td>
<td>Conforms</td>
</tr>
<tr>
<td>Durability of operational reliability:</td>
<td>4.3.3.2</td>
<td>NPD – no performance determined</td>
</tr>
<tr>
<td>– opening and closing cycle tests</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Signed for and on behalf of the manufacturer by:

In Hostomice, 20 August 2020

Marcel Mandík
CEO
MANDÍK, a.s.