

1.	Unique identification code of the product-type	FDMQ 120
2.	Products	Fire dampers
	Intended use	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 162/22
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-2023/0087 Assessment Report of Performance of Construction Product No. P-1391-CPR-2023/0087

7a.	Declared performances – fire resistance classification Essential characteristics in accordance with EN 15650:2010, art. 4.1.1	
<i>Fire separating construction, location of the damper</i>	<i>Installation type, installation system</i>	<i>Performance – class of fire resistance</i>
Solid wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum ^{1]}	EI 120 (v _e i↔o) S ^{3]}
	Battery – mortar or gypsum ^{1]}	EI 120 (v _e i↔o) S
	Weichschott / Ablative Coated Batt ^{1],2]}	
Solid wall construction – damper remote from the wall – 100 mm min. wall thickness	Insulation of the duct with mineral wool + weischott/ablative coated batt – ISOVER ULTIMATE PROTECT ^{1], 2]}	EI 120 (v _e i↔o) S
	Flamebar EN Fire Duct – FPL 110 insulation	

(table continues)

1] Refer to [Technical documentation](#) for the details of the installation type / installation system.

2] Materials of the fire-resistant panel and paint may be replaced by a similar approved system of the equivalent performance.

3] Tested at increased underpressure of 500 Pa.

(continuation of the table)

<i>Fire separating construction, location of the damper</i>	<i>Installation type, installation system</i>	<i>Performance – class of fire resistance</i>
Gypsum plasterboard wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum ^{1]}	EI 120 (v _e i↔o) S ^{3]}
	Battery – mortar or gypsum ^{1]}	EI 120 (v _e i↔o) S
	Weichschott / Ablative Coated Batt ^{1,2]}	
Gypsum plasterboard wall construction – damper remote from the wall – 100 mm min. wall thickness	Insulation of the duct with mineral wool + weischott/ablative coated batt – ISOVER ULTIMATE PROTECT ^{1, 2]}	EI 120 (v _e i↔o) S
	Flamebar EN Fire Duct – FPL 110 insulation	
Solid ceiling construction – damper in the ceiling – 150 mm min. ceiling thickn.	Mortar or gypsum ^{1]}	EI 120 (h _o i↔o) S ^{3]}
	Battery – mortar or gypsum ^{1]}	EI 120 (h _o i↔o) S
Shaftwall construction – damper in the wall – wall thickness min. 107 mm	Mortar or gypsum ^{1]}	EI 120 (v _e i↔o) S ^{4]}

1] Refer to [Technical documentation](#) for the details of the installation type / installation system.

2] Materials of the fire-resistant panel and paint may be replaced by a similar approved system of the equivalent performance.

3] Tested at increased underpressure of 500 Pa.


4] For damper dimensions up to 1500x650 (included) only.

7b.	Declared performances – essential characteristics Essential characteristics in accordance with EN 15650:2010, art. 4.1.1	
<i>Essential characteristics</i>	<i>Requirements (provisions of the harmonised standard EN 15650:2010)</i>	<i>Performance (lever or class) / Compliance with the requirements</i>
Nominal activation conditions/sensitivity:	4.2.1.2	Conforms
– sensing element load bearing capacity	4.2.1.2.2	Conforms
– sensing element response temperature	4.2.1.2.3	Conforms
Response delay (response time): – closure time	4.2.1.3	Conforms
Operational reliability: – cycling	4.3.1, a)	50 cycles – conforms
Durability of response delay: – sensing element response to temperature and load bearing capacity	4.2.1.2.2 4.2.1.2.3	Conforms
Durability of operational reliability: – opening and closing cycle tests	4.3.3.2	Dampers with control mechanisms - manual Mandík M: NPD - Mandík MODULAR: C ₃₀₀ - Belimo: C _{10.000}

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, 2024-01-31


Jan Mičan
CEO, Ppa
MANDÍK, a.s.

Declared performances – other characteristics		
<i>Characteristics</i>	<i>Technical standard</i>	<i>Performance (lever or class) / Compliance with the requirements</i>
Resistance against corrosion	EN 15650:2010, art. 4.2.2 EN 15650:2010, Annexe B	Conforms
Damper blade tightness	EN 1751:2014	Class 2
Damper casing tightness	EN 1751:2014	Class C