

DECLARATION OF PERFORMANCE NR 003-05-CPR-2015

1. Unique identification code of the product type:

Fire dampers type mcr FID PRO with a fire resistance classification according EN 13501-3:2005

EI 180 ($h_o \leftrightarrow o$) S, EI 120 ($h_o \leftrightarrow o$) S, EI 90 ($h_o \leftrightarrow o$) S, EI 60 ($h_o \leftrightarrow o$) S

EI 120 ($v_e h_o \leftrightarrow o$) S, EI 90 ($v_e h_o \leftrightarrow o$) S, EI 60 ($v_e h_o \leftrightarrow o$) S

EI 120 ($v_e o \rightarrow i$) S, EI 90 ($v_e o \rightarrow i$) S, EI 60 ($v_e o \rightarrow i$) S

EI 90 ($v_e \leftrightarrow o$) S, EI 60 ($v_e \leftrightarrow o$) S

2. Intended use and scope of application of the product:

Fire dampers type mcr FID PRO 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 Ciepłewo 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. 2434, Centrum Techniki Okrętowej S.A, ul. Szczecińska 65, 80-392 Gdańsk.

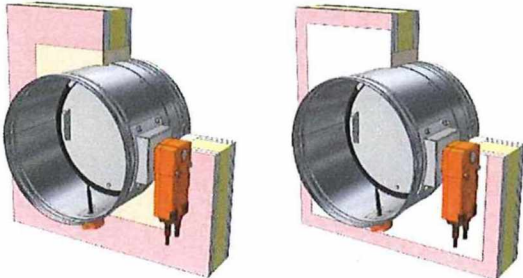
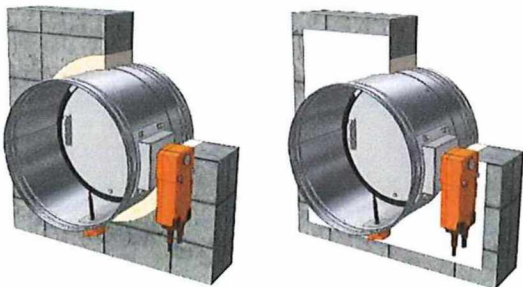
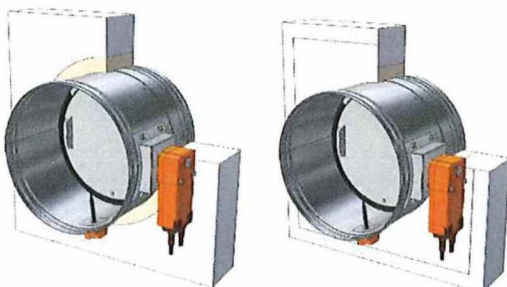
Certificate of Constancy of Performance: 2434-CPR-0009

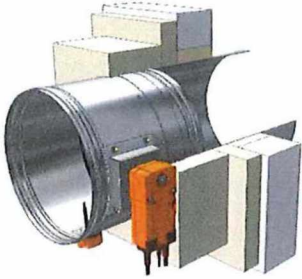
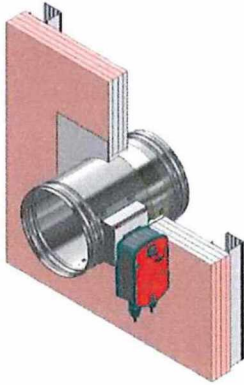
7. Declared performance:

Essential characteristics	EN 15650	Performance				Result
Nominal activation conditions/sensitivity	4.2.1.2	Wg ISO 10294-4: 2001, pkt 4.2				Pass
Sensing element response temperature	4.2.1.2.2					Pass
Sensing element load bearing capacity	4.2.1.2.3					Pass
Response time/ Closure time	4.2.2.2	<2 minuty				Pass
Operational reliability / Cycling	4.3.1. a)	C50	C50	C50	C50	Pass
Fire resistance – integrity	4.1.1 a)	E120, E90, E60	E180, E120, E90, E60	E90, E60	E60	Pass
Fire resistance – insulation	4.1.1 b)	EI120, EI90, EI60	EI180, EI120, EI90, EI60	EI90, EI60	EI60	Pass
Fire resistance – smoke leakage	4.1.1 c)	EIS120, EIS90, EIS60	EIS180, EIS120, EIS90, EIS60	EIS90, EIS60	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	-	-	-	-	Pass
	4.2.1.2.3	-	-	-	-	Pass
Reliability:	4.3.3.2	10 000	10 000	-	-	Pass

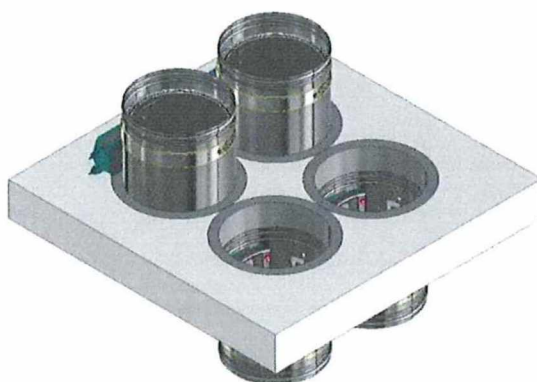
8. Additional properties:

Additional characteristics	EN 15650	Performance				Result
Horizontal / vertical axis of rotation	-	Yes	Yes	Yes/-	Yes/-	Pass
Fire resistance classification	4.3.2	EI 120 ($v_e h_o \leftrightarrow o$) S EI 90 ($v_e h_o \leftrightarrow o$) S EI 60 ($v_e h_o \leftrightarrow o$) S	EI 180 ($h_o \leftrightarrow o$) S EI 120 ($h_o \leftrightarrow o$) S EI 90 ($h_o \leftrightarrow o$) S EI 60 ($h_o \leftrightarrow o$) S	EI 90 ($v_e \leftrightarrow o$) S EI 60 ($v_e \leftrightarrow o$) S	EI 60 ($v_e h_o \leftrightarrow o$) S	Pass
Size range		round damper, dimensions: from DIA100 to DIA315 [mm]				

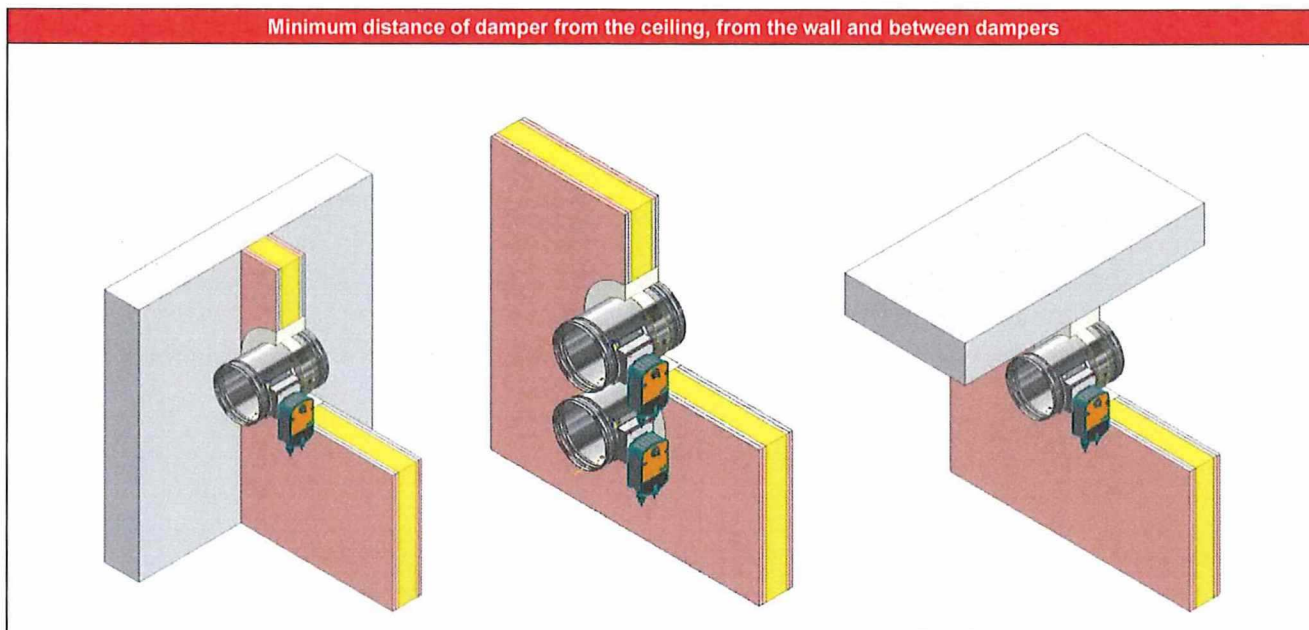
Installation	Type of partition	Installation type	Partition thickness
	lightweight walls/shafts made of boards	Using mortar or mineral wool	min. 125mm
	Solid walls/shafts made of concrete blocks, hollow masonry units	Using mortar or mineral wool	min. 125mm
		Using mortar for EIS120 class	min. 120mm
	Solid walls/shafts	Using mortar or mineral wool	min. 125mm
		Using mortar for EIS120 class	min. 120mm
	Solid ceiling	Using mortar	min. 150mm

	Outside the vertical partitions mentioned above	Using fire protective board or another system, providing fire resistance is not less than the resistance of wall and damper	-
	lightweight walls, system RIGIPS 3.50.11	Using mortar or mineral wool	105mm

The minimum distance between the dampers installed in separate ducts in ceiling



Minimum distance of damper from the ceiling, from the wall and between dampers



Release and control mechanisms



The damper assembly in mineral wool and outside the building partition is possible for the EIS120 damper. Mounting details included in the device's OMM.

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.

Gdańsk, 21.07.2025

merccor
Tomasz Kobyliński
KIEROWNIK ZAKŁADU PRODUKCJI
SYSTEMÓW WENTYLACJI POŻAROWEJ
Tomasz Kobyliński

Rev. 19