








DECLARATION OF PERFORMANCE

According to Regulation (EU) No 305/2011 of the European Parliament and of the Council
number: DoP28_PKIR_H_EN

1. Unique identification code of the product	PKIR3G, PKIR90-Ex, PKIR120-Ex, PKIR3G-Ex
2. Type	Round fire damper
3. Intended use of the construction product	Fire closure for HVaC ductworks for the compartmentization
4. Name, registered trade name and contact address of the manufacturer	IMOS-Systemair 90043, Kalinkovo 146, Slovakia
5. Where applicable, name and contact address of the authorized representative	---
6. System of assessment and verification of constancy of performance of the construction product	system 1
7. Harmonized product standard, test standard, classification standard	EN 15 650, EN 1366-2, EN 13 501-3
8. Identification number of the notified body	1396
Name and address of the notified person	FIRES s.r.o. Osloboditeľov 282, 059 35 Batizovce
Which performed in system 1:	determination of the product type on the basis of type testing (including sampling) and descriptive documentation of the production initial inspection of the manufacturing plant and of factory production control and continuous surveillance, assessment and evaluation of factory production control
and issued certificate of constancy of performance	CE 1396-CPD-0061 and CE 1396-CPR-0076
Identification number and name of the notified person for ATEX certification	1026 Fyzikálně technický zkušební ústav Ostrava–Radvanice, CZ
Which examined type of the round and rectangular fire damper for the explosive environment according to	Council Directive 94/9/EC and EN 13463-1:2009
With marking	 II 2/- G IIB
Number of the EC-Type examination certificate	FTZU 13 ATEX 0046, FTZU 14 ATEX 0127X

9. Declared performance

product name TechSpec. InstalMain.	dimension range (mm)	certificates No.	picture	product type	fire resistivity	supporting construction	Installation - tested at underpressure (Pa)					
							wet	dry	soft crossing	installation kit	on a wall	out of a wall
round fire dampers TPI-28 PP-28	100 ≤ DN ≤ 400	 1396-CPR-0076 FTZU14ATEX0127X		PKIR3G PKIR3G-Ex ATEX	EI60(ve ho i ↔ o)S	ve	500	300	300	500	300 ^w	300 ^w
						ho	500		300			
					EI90(ve ho i ↔ o)S	ve	500	300	300	500	300 ^w	300 ^w
						ho	500		300			
					EI120(ve ho i ↔ o)S	ve	500			500		
						ho	500					
	400 < DN ≤ 630	 1396-CPR-0076 FTZU13ATEX0046		PKIR3G PKIR60-Ex ATEX PKIR90-Ex ATEX PKIR120-Ex ATEX	EI60(ve ho i ↔ o)S	ve	500	300	300	500		
						ho	500					
					EI90(ve ho i ↔ o)S	ve	500	300	300	500		
						ho	500					
					EI120(ve ho i ↔ o)S	ve	500			500		
						ho	500					
	630 < DN ≤ 1000 100≤DN≤1000 GOST	 1396-CPD-0061 FTZU13ATEX0046 C-SK.Π501.B.01806		PKIR3G PKIR60-Ex ATEX PKIR90-Ex ATEX PKIR120-Ex ATEX PK-I-R-EI90S GOST PK-I-R-EI120S GOST	EI60(ve ho i ↔ o)S	ve	500	500				
						ho	500					
					EI90(ve ho i ↔ o)S	ve	500	500				
						ho	500					
					EI120(ve ho i ↔ o)S	ve	500					
						ho	500					

RIGID/FLEXIBLE WALL

ONLY RIGID WALL/CEILING

ONLY IN/ON THE DUCT

ATEX When ordering the ATEX fire damper use codes with Ex such as PKIR3G-Ex or PKIR90-Ex ... All ATEX fire dampers are designated a class of explosion proof  II 2/- G IIB

GOST certification for Russia and Commonwealth of Independent States (CIS) according to GOST standards: fire dampers PK-I-R-EI90S and PK-I-S-EI120S have resistivity EI90 and EI120 with allowed

^w Installation on/out of a wall with mineral wool

Modulated fire dampers (the activation mechanism DV9-T-SR on page 10 in TPI-28) are manufactured: PKIR3G with DN ≥ 160 mm and PKIS3G with H ≥ 160 mm.

ACCORDING TO EN 15650 EACH FIRE DAMPER MUST BE INSTALLED ACCORDINGLY INSTALLATION INSTRUCTIONS PROVIDED BY THE MANUFACTURER!

For dimensions of Ø100 up to 400 mm certificate number FTZU 14 ATEX 0127

For dimensions Ø450 up to 1000 mm certificate number FTZU 13 ATEX 0046

Explosion-proof certified according to the EC Directive. 94/9/EC and the standards EN 13 463, Part 1

Supporting construction	Standard according to tab. 3 – 5 in EN 1366-2
Direction of the blade axis	Wet and dry vertical / all installation methods horizontal

Fire resistance: maintenance of the cross section (under E) / integrity E / insulation I / smoke leakage S / mechanical stability (under E) / cross section (under E)	passed
Nominal activation conditions/sensitivity: - sensing element load bearing capacity - sensing element response temperature	passed
Response delay (resp. time) - closure time	passed
Operational reliability: - cycling motorized - cycling manual	passed 10200 cycles 50 cycles
Durability of operational reliability: open and closing cycle	passed
Durability of response delay: sensing element response temperature and load bearing capacity	passed
Tightness class according to EN 1751: - casing - blade	standardly C standardly 3
Actuating mechanism:	<i>Manual</i> <i>Electromagnet 24V AC/DC/ 230 V AC in impulse/interruption connection</i> <i>Servomotor 24V AC/DC/ 230 V AC</i>

Declared performance in italic are new against version G of the Declaration of Performance.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Kalinkovo the 10th November 2015

Ing. Ondrej Ertl CSc., technical director: 