

**EU DECLARATION OF CONFORMITY**  
**DICHIARAZIONE DI CONFORMITÀ UE**

**Fandis S.p.A.**  
**Via per Castelletto, 69 – 28040 Borgo Ticino (NO) – Italy**

Herewith declares that the products:  
*Dichiara con la presente che i prodotti:*

**FAN FILTERS**                      **EXHAUST UNITS**  
**GRUPPI FILTRO**                      **TORRINI DI ESTRAZIONE**

<b>Product identification</b> (brand and catalogue number):	<ul style="list-style-type: none"> <li>• Fandis FF series, FPF series and GF series</li> <li>• Fandis TP series and T series</li> <li>• Fandis CSV series</li> </ul>
<b>Identificazione prodotto</b> (marchio e codice di catalogo):	<ul style="list-style-type: none"> <li>• <i>Fandis serie FF, serie FPF e serie GF</i></li> <li>• <i>Fandis serie TP e serie T</i></li> <li>• <i>Fandis serie CSV</i></li> </ul>
<b>Lot number:</b> <b>Numero lotto:</b>	starting from 1616 (yyww) <i>a partire da 1616 (aass)</i>

(refer to the list of catalogue numbers)  
*(fare riferimento all'elenco dei codici di catalogo)*

Are in conformity with the essential requirements of the following EC Directives, when installed in accordance with the instructions included in the product documentation.

*Sono conformi ai requisiti essenziali delle seguenti direttive comunitarie, se installati in conformità con le istruzioni contenute nella documentazione di prodotto.*

2006/42/EC Machinery Directive  
2014/35/EU Low Voltage Directive  
2014/30/EU Electromagnetic Compatibility Directive  
2011/65/EU RoHS Directive

Borgo Ticino, 17-04-2020

Signature  
  
Silvano Zilioli  
Chief Executive Officer

Via per Castelletto 69 - 28040  
Borgo Ticino (NO) – Italy

**Reference to harmonised standards applied**  
**Riferimento alle norme armonizzate applicate**

- EN 60335-1:2012** Household and similar electrical appliances - Safety  
Part 1: General requirements  
*Sicurezza degli apparecchi elettrici d'uso domestico e similare*  
*Parte 1: Norme generali*
- EN 60335-2-80:2003** Household and similar electrical appliances - Safety  
Part 2-80: Particular requirements for fans  
*Sicurezza degli apparecchi elettrici d'uso domestico e similare*  
*Parte 2: Norme particolari per ventilatori*
- EN 60950-1:2006** Information technology equipment - Safety  
Part 1: General requirements  
*Apparecchiature per la tecnologia dell'informazione - Sicurezza*  
*Parte 1: Requisiti generali*
- EN 62208:2011** Empty enclosures for low-voltage switchgear and control gear  
assemblies - General requirements  
*Involucri vuoti per apparecchiature assiemate di protezione e manovra*  
*per bassa tensione - Prescrizioni generali*
- EN 55014-1:2006** Electromagnetic compatibility - Requirements for household appliances,  
electric tools and similar apparatus  
Part 1: Emission  
*Compatibilità elettromagnetica - Prescrizioni per gli elettrodomestici, gli*  
*utensili elettrici e gli apparecchi similari*  
*Parte 1: Emissione*
- EN 55014-2:2015** Electromagnetic compatibility - Requirements for household appliances,  
electric tools and similar apparatus  
Part 2: Immunity - Product family standard  
*Compatibilità elettromagnetica - Requisiti di immunità per gli*  
*elettrodomestici, gli utensili elettrici e gli apparecchi similari*  
*Parte 1: Immunità - Norma di famiglia di prodotti*
- EN 61000-3-2:2014** Electromagnetic compatibility (EMC)  
Part 3-2: Limits - Limits for harmonic current emissions (equipment  
input current  $\leq 16$  A per phase)  
*Compatibilità elettromagnetica (EMC)*  
*Parte 3-2: Limiti - Limiti per le emissioni di corrente armonica*  
*(apparecchiature con corrente di ingresso  $\leq 16$  A per fase)*

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- EN 61000-3-3:2013** Electromagnetic compatibility (EMC)  
Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low voltage supply systems, for equipment with rated current  $\leq 16$  A per phase and not subject to conditional connection  
*Compatibilità elettromagnetica (EMC)*  
*Parte 3-3: Limiti - Limitazione delle variazioni di tensioni, fluttuazioni di tensione e del flicker in sistemi di alimentazione in bassa tensione per apparecchiature con corrente nominale  $\leq 16$  A per fase e non soggette ad allacciamento su condizione*
- EN 55011:2009** Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement  
*Apparecchi industriali, scientifici e medicali (ISM) - Caratteristiche di radiodisturbo - Limiti e metodi di misura*
- EN 55022:2010** Information technology equipment - Radio disturbance characteristics Limits and methods of measurement  
*Apparecchi per la tecnologia dell'informazione - Caratteristiche di radiodisturbo - Limiti e metodi di misura*
- EN 61000-6-1:2007** Electromagnetic compatibility (EMC)  
Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments  
*Compatibilità elettromagnetica (EMC)*  
*Parte 6-1: Norme generiche - Immunità per gli ambienti residenziali, commerciali e dell'industria leggera*
- EN 61000-6-2:2005** Electromagnetic compatibility (EMC)  
Part 6-2: Generic standards - Immunity for industrial environments  
*Compatibilità elettromagnetica (EMC)*  
*Parte 6-2: Norme generiche - Immunità per gli ambienti industriali*
- EN 61000-6-3:2007** Electromagnetic compatibility (EMC)  
Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments  
*Compatibilità elettromagnetica (EMC)*  
*Parte 6-3: Norme generiche - Emissione per gli ambienti residenziali, commerciali e dell'industria leggera*
- EN 60529:1991** Degrees of protection provided by enclosures (IP Code)  
*Gradi di protezione degli involucri (Codice IP)*

## EU DECLARATION OF CONFORMITY DICHIARAZIONE DI CONFORMITÀ UE

Correspondence between catalogue numbers and harmonized standards applied  
*Corrispondenza codici catalogo e norme armonizzate applicate*

Model Codice	LVD standards Normativa LVD	EMC standards Normativa EMC
FF08A115*N*	EN 60335-1	EN 55022; EN 61000-3-2; EN 61000-3-3
FPF08K*115B*	EN 60335-1	EN 55022; EN 61000-3-2; EN 61000-3-3
FF08A230*N*	EN 60335-1	EN 55022; EN 61000-3-2; EN 61000-3-3
FPF08K*230B*	EN 60335-1	EN 55022; EN 61000-3-2; EN 61000-3-3
FF12A*N*	EN 60335-1	EN 55022; EN 61000-3-2; EN 61000-3-3
FF13PA*N*	EN 60335-1	EN 55022; EN 61000-3-2; EN 61000-3-3
FF15PA*N*	EN 60335-1	EN 55022; EN 61000-3-2; EN 61000-3-3
FF20A*E*1*	EN 60335-1; EN 60335-2-80	EN 61000-3-2; EN 61000-3-3
FPF15KG*BE*	EN 60335-1; EN 60335-2-80	EN 61000-3-2; EN 61000-3-3
FPF20K*BE*	EN 60335-1; EN 60335-2-80	EN 61000-3-2; EN 61000-3-3
FF20GA*UE*1*	EN 60335-1; EN 60335-2-80	EN 61000-3-2; EN 61000-3-3
FPF20KG*B*	EN 60335-1; EN 60335-2-80	EN 61000-3-2; EN 61000-3-3
TP19*, T19*, T22*	EN 60335-1; EN 60335-2-80	EN 61000-3-2; EN 61000-3-3
CSV230*	EN 60335-1; EN 60950-1	EN 55014-1; EN 61000-3-2; EN 61000-3-3
FPF12K*230B*	EN 60335-1; EN 60335-2-80	EN 55022; EN 61000-3-2; EN 61000-3-3
FF08GA*F*	EN 60335-1; EN 60335-2-80	EN 61000-6-1; EN 61000-6-3
FF15A*F*	EN 60335-1; EN 60335-2-80	EN 61000-6-1; EN 61000-6-3
FPF15K*B*	EN 60335-1; EN 60335-2-80	EN 61000-6-1; EN 61000-6-3
GF15K*BE*	EN 60335-1; EN 60335-2-80	EN 61000-6-1; EN 61000-6-3
FF12A*F*	EN 60950-1	EN 55014-1,2; EN 61000-3-2; EN 61000-3-3
FF13PA*F*	EN 60950-1	EN 55014-1,2; EN 61000-3-2; EN 61000-3-3
FF15PA*F*	EN 60950-1	EN 55014-1,2; EN 61000-3-2; EN 61000-3-3
FPF12K*BE*	EN 60950-1	EN 55014-1; EN 61000-3-2; EN 61000-3-3
GF12KU230BE*	EN 60950-1	EN 55014-1; EN 61000-3-2; EN 61000-3-3
FF08GA*UNR	EN 60950-1	EN 55014-1; EN 61000-3-2; EN 61000-3-3
FF15A*N*2	EN 60950-1	EN 55014-1; EN 61000-3-2; EN 61000-3-3
FPF13K*230B*	EN 60950-1	EN 55014-1; EN 61000-3-2; EN 61000-3-3

- 1) \* may be any sequence of numbers and/or letters indicating the characteristics and options of the product which do not impact this declaration of conformity.  
*\* può essere qualsiasi sequenza di numeri e/o lettere che indicano le caratteristiche e le opzioni del prodotto, che non influenzano la presente dichiarazione di conformità.*

## EU DECLARATION OF CONFORMITY DICHIARAZIONE DI CONFORMITÀ UE

Correspondence between catalogue numbers and harmonized standards applied  
*Corrispondenza codici catalogo e norme armonizzate applicate*

Model <i>Codice</i>	EMC standards <i>Normativa EMC</i>
FF15D24*F*	EN 61000-6-1; EN 61000-6-3
FPF15K*D24BE*	EN 61000-6-1; EN 61000-6-3
FF08D12*N*	EN 55011; EN 61000-6-2
FPF08K*D24B*	EN 61000-6-2; EN 61000-6-3
FF08GD24*N*	EN 61000-6-2; EN 61000-6-3
FF12D*N*	EN 61000-6-2; EN 61000-6-3
FF13PD24*N*	EN 61000-6-2; EN 61000-6-3
FF15PD*N*	EN 61000-6-2; EN 61000-6-3
FPF12K*D*B*	EN 61000-6-2; EN 61000-6-3
FPF13KP*D*B*	EN 61000-6-2; EN 61000-6-3
FPF15KP*D*B*	EN 61000-6-2; EN 61000-6-3
GF12K*D24B*	EN 61000-6-2; EN 61000-6-3
FF15D*N*	EN 61000-6-1; EN 61000-6-3
FF15D*F*	EN 61000-6-1; EN 61000-6-3
CSV048*	EN 61000-6-1; EN 61000-6-3
FPF15K*D*B*	EN50081-1; EN50082-1

- 1) \* may be any sequence of numbers and/or letters indicating the characteristics and options of the product which do not impact this declaration of conformity.  
*\* può essere qualsiasi sequenza di numeri e/o lettere che indicano le caratteristiche e le opzioni del prodotto, che non influenzano la presente dichiarazione di conformità.*
  
- 2) 12Vdc, 24Vdc, 48Vdc and 24Vac models are not included in the Low Voltage Directive 2014/35/EU.  
*I modelli 12Vdc, 24Vdc, 48Vdc e 24Vac non rientrano nel campo di applicazione della direttiva Bassa Tensione 2014/35/UE.*

## EU DECLARATION OF CONFORMITY

Borgo Ticino, 30<sup>th</sup> June 2019

**Object:** European Directive 2011/65/EU (Directive 2002/95/EC recast) and 2015/863/EU (amending Annex II to Directive 2011/65/UE) concerning the restriction of harmful substances in Electric and Electronic equipment.

Dear Customer,

In accordance with RoHS II and RoHS III Directive (2011/65/EU and 2015/863/EU) concerning the restriction of harmful substances in Electric and Electronic equipment, Directive 2002/95/EC recast, Fandis S.p.A. declares that:

The products listed in the Annex I (The reseller products declarations will be issue on request), comply with the requirements of the Directive 2011/65/EU and Directive 2015/863/EU, as in Table 1.

With reference to what stated, Fandis S.p.A. undertakes to keep the necessary procedures to ensure continuity in the supply chain, in particular:

- Information updating following changes in RoHS Directive;
- Possible research of alternative suppliers maintaining the continuity of supplies;
- Possible research and developing of alternatives substances and processes in order to guarantee to customers the continuity, quality and performance of supplied products.

**Table 1**

<b>Restriction of harmful substances and max tolerated concentration weight value in homogeneous materials*</b>	
<b>Lead</b>	0,1%
<b>Mercury</b>	0,1%
<b>Cadmium</b>	0,01%
<b>Hexavalent Chromium (CR<sup>+6</sup>)</b>	0,1%
<b>Polybrominated Biphenyls (PBB)</b>	0,1%
<b>Polybrominated Biphenyls Ethers (PBDE)</b>	0,1%
<b>Bis (2-ethylhexyl) phthalate (DEHP)</b>	0,1%
<b>Butyl benzyl phthalate (BBP)</b>	0,1%
<b>Dibutyl phthalate (DBP)</b>	0,1%
<b>Diisobutyl phthalate (DIBP)</b>	0,1%

\* Homogeneous material means as a uniform composition or a material combined with more materials that could not be divided by a mechanical action, for instance by loosening, cutting, crushing, grinding or abrasive process.

Sincerely,

**FANDIS S.p.A.**  
Via per Castelletto, n. 69  
28040 BORGO TICINO (NO)



**ANNEX I: LIST OF ITEMS RoHS Compliant (Dir. 2011/65/EU, Dir. 2015/863/EU)**

Cotech Fans	Family Code
DC Axial Fans	D20
	D02
	D03
	D35
	D04
	D45
	D50
	D06
	D07
	D08
	D09
	D12
	D17
	D22
DC Blowers	DC6G
	DC1G
AC Axial Fans	A06
	A08
	A09
	A12
	A17
	C17
	C18
	C22
C25	

Fan Accessories	Family Code
Metal fan guards	ALL
Steel covers	
Plastic fan guards	
Fast assembly Plastic fan guards	
Plastic filters, F series	
Plastic adaptors	
Metal filters	
Plastic rivets	
Elastic rivets	
Fan power leads	
Flat guards	
Basket guards	
Shaped inlets	
Filter mats	
Capacitors	

Cabinet Accessories	Family Code
Lamps	ALL
Led lamps	
Heaters	
Thermostats	
Hygrostats	
Door limit switches	
Water drip tray	
Pressure	

Fan Filters	Family code
FPF Series	FPF08
	FPF12
	FPF13
	FPF15
	FPF20
FF Series	FF08
	FF12
	FF13
	FF15
GF Series	GF12
	GF15
	GF20
Roof exhaust units	T19
	T22
	TP19

Hot air exhaust fans	Family Code
VFC Series	VFC1A
	VFC2A
	VFC2D
	VFC3A
	VFC3H
	VFC3N
NCB Series	NCBHL
	NCBLL
TNG Series	ALL

ECOLD	Family Code
Thermoelectric modules	ALL
Thermoelectric units	ALL
Power supplies	ALL

**FANDIS S.p.A.**  
Via per Castelletto, n° 69  
28040 BORGOTICINO (NO)  
*[Signature]*