



浙江三花商用制冷有限公司

Zhejiang Sanhua Commercial Refrigeration Controls Co., Ltd

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## The EU Declaration of Conformity

Issued in accordance with  
The Pressure Equipment Directive 2014/68/EU  
The Low Voltage Directive 2014/35/EU

### The manufacturer's name and address:

Company: Zhejiang Sanhua Commercial Refrigeration Controls Co., Ltd

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Authorized Representative: Ilan Peleg

Authorized Company: Sanhua International Europe S.L.

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### Section 1 - The Pressure Equipment Directive 2014/68/EU

#### Declaration

Electronic Expansion Valves (LPF series), shown in the table 1, are classified "Pressure accessories" in the sense of the Pressure Equipment Directive 2014/68/EU, Article 2 point (5). The Refrigerant proper to the Group 1 and 2 as defined in article 13 (1) (b) of Directive 2014/68/EU.

Description of Products

SANHUA SERIES	MODELS	PS (bar)	TS (°C)	PED category	Module annex III – PED Directive 2014/68/EU
LPF	LPF XXX-XXX(3~32)	42	-40°C / +70°C	Art. 4.3	-
	LPF XXX-XXX(45~62)	49	-40°C / +70°C	Art. 4.3	-
	LPF XXT-XXX	90	-40°C / +70°C	Art. 4.3	-

Table 1

#### Note:

All the models listed in the table above classified as "Art. 4.3" aren't subjected to the Essential Safety Requirements set out in Annex I of Directive 2014/68/EU because their characteristics are below or equal to the limits fixed in Article 4 (1) (c) (i) of the same Directive. As mentioned in the Directive all these products have a nominal size "DN" below or equal to:

- a) 25mm for refrigerants belonging to Fluid Group 1,
- b) 32mm for refrigerants belonging to Fluid Group 2.

Therefore, according to requirements of Article 4 (1) (c) (i) them:

- Are designed and manufactured in accordance with a sound engineering practice in order to ensure safe use.
- Are accompanied by adequate instructions for use
- Bear markings to permit identification of the manufacturer
- Don't bear CE marking referred to in Article 18 and Article 19
- Are not accompanied by a "Declaration of Conformity" to Directive 2014/68/EU referred to in Annex IV

## Section 2 - The Low Voltage Directive 2014/35/EU

### Declaration

Electronic Expansion Valves (LPF series), shown in the table 1, and all the electrical coils, shown in the table 2 are in conformity to the following standards as required by the Low Voltage Directive 2014/35/EU.

Automatic electrical controls for household and similar use – Part 1: General requirements  
**DIN EN 60730-1:2016**

Electrical Coils

Sanhua coil model	Power Supply	Rated Voltage (V)	Applicability of 2014-35-EU
PQ-M24xxxx	DC	12V	NO

Table 2

#### Note:

The applicability of the Directive 2014/35/EU as mentioned in the Article 1 is limited to the coil models with voltage rating of between 50 and 1000 V for alternating current and between 75 and 1500 V for direct current.

All the products excluded by the Directive 2014/35/EU respects the following requirements:

- Are designed and manufactured in accordance with a sound engineering practice in order to ensure safe use.
- Are accompanied by adequate instructions for use
- Bear markings to permit identification of the manufacturer
- Don't bear CE marking referred to in Article 16 and Article 17
- Are not accompanied by a "Declaration of Conformity" to Directive 2014/35/EU referred to in Annex IV

### Section 3 – Additional test EN60730-1

Additional test has been performed in order to allow the usage of the present electrical device with flammable refrigerants as described in the EN-378-1/2012-08 Annex F section F.2.3.

Household and similar electrical appliances – Safety

**EN 60335-2-24 : 2010+A1 : 2012+A2 : 2019 Clauses 22.110**

**EN 60335-2-40 : 2003 + A11 : 2004 + A12 : 2005 + A1 : 2006 + A2 : 2009 + A13 : 2012 + A13 : 2012/AC : 2013 Clause 22.116 & 22.117 and Annex BB**

**EN 60335-2-89 : 2010+A1 : 2016+A2 : 2017 Clauses 22.109**

Explosive atmospheres

**IEC 60079-0 : 2011 Clause 26.5.1.3**

**IEC60079-15 : 2010 Clause 6.3.1 & 6.4.1 & 6.5.1**

Name	TUV Rheinland
Address	Nurnberg
Certificate of conformity	R 50449807

**Note:**

The applicability of above certificate is not for LPF XXT-XXX.

Responsible Person to issue the declaration of Conformity:	Date	Signature
Mr.zhouyang Li		

