



浙江三花商用制冷有限公司

Zhejiang Sanhua Commercial Refrigeration Controls Co., Ltd

Add: Zhejiang Xinchang, Economic

Development Zone, Damingshi,

Xinchang County, Zhejiang Province, China

Tel: +86-575-86221102

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

Address: Zhejiang Xinchang Economic Development Zone, Damingshi, Xinchang County, Zhejiang Province, China

Authorized Representative: Mr. Ilan Peleg

Authorized Company: Sanhua International Europe S.L.

Tel: +34 91 654 30 00 Mob: +34 6 15 83 37 02 E-Mail: info@sanhuaeurope.com

Address: C/ José Celestino Mutis, 4, 2I 28703 San Sebastian de los Reyes - Spain

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

Declaration

Pulse Expansion Valves (PEV 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 |
|------------------|--------|-------------|-----------------|-----------------|---|
| PEV | PEVx-y | 90 | -60° C / +70° C | Art. 4.3 | - |

Table 1

x position: identifies the valve size

y position: identifies the connection type

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

Covered by this declaration is in conformity with the following directives, standards or other normative documents, provided that the product is used in accordance with our instructions:

EN ISO 21922:2021 - Refrigerating systems and heat pumps. Valves. Requirements, testing and marking

EN 378-2:2016 - Refrigerating systems and heat pumps. Safety and environmental requirements. Basic requirements, definitions, classification and selection criteria

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

Declaration

Pulse Expansion Valves (PEV 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

EN 60730-1:2017-05 ;EN 60730-1:2016; EN 60730-1:2016/A1:2019;

- With sub-clauses 7/8/9/10/11/12/13/18/19/20/21/27

Household and similar electrical appliances – Safety

EN IEC 60335-2-24:2022/A11:2022

- With sub-clauses 22.110

Household and similar electrical appliances – Safety

EN IEC 60335-2-89:2022, clause 22.109

- With sub-clauses 22.109

Household and similar electrical appliance – Safety

(Particular requirements for electrical heat pumps, air conditioner, dehumidifiers)

EN 60335-2-40:2003/A13:2012/AC:2013

- With sub-clauses 22.116
- With sub-clauses 22.117 and Annex BB

IEC 60335-2-40: 2022

- With sub-clauses 22.116
- With sub-clauses 22.117 and Annex BB

Explosive atmospheres

IEC 60079-0:2017

- Abs. 26.5.1
- Abs. 26.4.5

IEC 60079-7:2015+A1:2018

- Abs. 6.1

Electrical Coils

| Sanhua coil model | Power Supply | Rated Voltage (V) | Applicability of 2014-35-EU |
|-------------------|--------------|-------------------|-----------------------------|
| HQ*F** | AC | 220-230V | YES |
| HQ*D** | AC | 120V | YES |
| HQ*K** | AC | 24V | NO |

Table 2

* position: identifies coil series

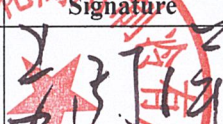
**position: identifies internal coil modification.

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

| Responsible Person to issue the declaration of Conformity: | Date | Signature |
|--|------------|---|
| Mr. Zhouyang Li | 23.10.2023 |  |

