



The EU Declaration of Conformity

Issued in accordance with:

The Pressure Equipment Directive 2014/68/EU

The manufacturer's name and address:

Company: Zhejiang Sanhua Climate and Appliance Controls Group Co., Ltd
Address: Xialiquan, Qixing District, Xinchang, 312500, Zhejiang, China

Authorized Representative: Mr. Ilan Peleg

Authorized Company: Sanhua International Europe S.L.

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

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

Declaration:

Check valves

shown in the following tables, 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 I and II as defined in the articles 13 (1) (a) and 13 (1) (b) of Directive 2014/68/EU.

a) Refrigerant of Group I: Refrigerant is classified as hazardous substance or mixture as defined in points (7) and (8) of Article 2 of Regulation (EC) No. 1272/2008.

b) Refrigerant of Group II: Refrigerant cannot be classified as hazardous substance or mixture as defined in points (7) and (8) of Article 2 of Regulation (EC) No. 1272/2008.

Summary:

Product Series	Design Pressure PS (bar)	Table
YCVS	46	See Table 2
YCVS-R	49	See Table 3
CCV	49	See Table 4
BCV	140	See Table 5

Table 1

Description of Products:

Design Pressure (PS):	46 bar					
Temperaure Range (TS):	-50°C / +140°C		FLUID GROUP I		FLUID GROUP II	
SANHUA MODEL	DN (mm)	Connection ØD ODS	PED category	Module annex III – PED Directive 2014/68/EU	PED category	Module annex III – PED Directive 2014/68/EU
YCVS(x)2Hyy	5,0	6mm & 1/4"	Art. 4.3	-	Art. 4.3	-
YCVS(x)3Hyy	7,9	10mm & 3/8"	Art. 4.3	-	Art. 4.3	-
YCVS(x)4Hyy	11,1	12mm & 1/2"	Art. 4.3	-	Art. 4.3	-
YCVS(x)5Hyy	13,0	16mm (5/8")	Art. 4.3	-	Art. 4.3	-
YCVS(x)6Hyy	17,1	18mm & 3/4"	Art. 4.3	-	Art. 4.3	-
YCVS(x)7Hyy	17,1	22mm (7/8)	Art. 4.3	-	Art. 4.3	-
YCVS(x) 5-yyGSHC-y	5,0	6mm & 1/4"	Art. 4.3	-	Art. 4.3	-
YCVS(x) 8-yyGSHC-y	7,9	10mm & 3/8"	Art. 4.3	-	Art. 4.3	-
YCVS(x) 10-yyGSHC-y	9,5	12mm & 1/2"	Art. 4.3	-	Art. 4.3	-
YCVS(x) 13-yyGSHC-y	13,9	16mm (5/8")	Art. 4.3	-	Art. 4.3	-
YCVS(x) 17-yyGSHC-y	17,1	18mm & 3/4"	Art. 4.3	-	Art. 4.3	-
YCVS(x) 17-yyGSHC-y	17,1	22mm (7/8)	Art. 4.3	-	Art. 4.3	-
YCVS(x) 20-yyGSHC-y	19,8	22mm (7/8)	Art. 4.3	-	Art. 4.3	-
YCVS(x) 26-yyGSHC-y	25,6	28mm & 1" 1/8	NOT CERTIFIED	-	Art. 4.3	-
YCVS(x) 31-yyGSHC-y	30,8	35mm (1" 3/8)	NOT CERTIFIED	-	Art. 4.3	-
YCVS(x) 31-yyGSHC-y	30,8	42mm & 1" 5/8	NOT CERTIFIED	-	Art. 4.3	-

Table 2

Design Pressure (PS):	49 bar					
Temperaure Range (TS):	-50°C / +150°C		FLUID GROUP I		FLUID GROUP II	
SANHUA MODEL	DN (mm)	Connection ØD ODS	PED category	Module annex III – PED Directive 2014/68/EU	PED category	Module annex III – PED Directive 2014/68/EU
YCVS(x) 5-yyGSHC-yR	5,0	6mm & 1/4"	Art. 4.3	-	Art. 4.3	-
YCVS(x) 8-yyGSHC-yR	7,9	10mm & 3/8"	Art. 4.3	-	Art. 4.3	-
YCVS(x) 10-yyGSHC-yR	9,5	12mm & 1/2"	Art. 4.3	-	Art. 4.3	-
YCVS(x) 13-yyGSHC-yR	13,9	16mm (5/8")	Art. 4.3	-	Art. 4.3	-
YCVS(x) 17-yyGSHC-yR	17,1	18mm & 3/4"	Art. 4.3	-	Art. 4.3	-
YCVS(x) 17-yyGSHC-yR	17,1	22mm (7/8)	Art. 4.3	-	Art. 4.3	-
YCVS(x) 20-yyGSHC-yR	19,8	22mm (7/8)	Art. 4.3	-	Art. 4.3	-
YCVS(x) 26-yyGSHC-yR	25,6	28mm & 1" 1/8	Cat. II	D	Art. 4.3	-
YCVS(x) 31-yyGSHC-yR	30,8	35mm (1" 3/8)	Cat. II	D	Art. 4.3	-
YCVS(x) 31-yyGSHC-yR	30,8	42mm & 1" 5/8	Cat. II	D	Art. 4.3	-

Table 3

Design Pressure (PS):		49 bar					
Temperaure Range (TS):		-40°C / +160°C		FLUID GROUP I		FLUID GROUP II	
SANHUA MODEL	DN (mm)	Connection ØD ODS	PED category	Module annex III – PED Directive 2014/68/EU	PED category	Module annex III – PED Directive 2014/68/EU	
CCV10-xxx	19,8	1/4"; 3/8"	Art. 4.3	-	Art. 4.3	-	
CCV17-xxx	25,6	1/2", 5/8", 3/4"	Cat. II	D	Art. 4.3	-	
CCV25-xxx	39,0	7/8"	Cat. II	D	Cat. I	A (point 1)	
CCV32-xxx	48,6	1" 1/8	Cat. II	D	Cat. I	A (point 1)	
CCV38-xxx	63,5	1" 3/8	Cat. II	D	Cat. I	A (point 1)	
CCV50-xxx	76,1	1" 5/8	NOT CERTIFIED	-	Cat. I	A (point 1)	

Table 4

Design Pressure (PS):		140 bar					
Temperaure Range (TS):		-40°C / +150°C		FLUID GROUP I		FLUID GROUP II	
SANHUA MODEL	DN (mm)	Connection ØD ODS	PED category	Module annex III – PED Directive 2014/68/EU	PED category	Module annex III – PED Directive 2014/68/EU	
BCV08-005**	6,5	3/8	NOT SUITABLE	-	Art. 4.3	-	
BCV08-001	6,5	3/8	NOT SUITABLE	-	Art. 4.3	-	
BCV13-002	14,2	1/2	NOT SUITABLE	-	Art. 4.3	-	
BCV13-001	14,2	5/8	NOT SUITABLE	-	Art. 4.3	-	
BCV17-001	17,0	7/8	NOT SUITABLE	-	Art. 4.3	-	

Table 5

Note:

X position: no letter indicates a model with normal spring; "H" letter indicates a model with reinforced spring
 yyy position: identifies the connections size

** : Model BCV08-005 has a Design Pressure (PS) limited to 90bar

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) & (ii) 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 Group I

b) 32mm for refrigerants belonging to Group II

Therefore, according to requirements of Article 4 (1) (c) 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 12284:2003 - 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

Notified Body:

Surveillance of the QS-System: examination / inspection / test during manufacturing:

Name:	TUV Rheinland Industrie Service GmbH
Address:	Am Grauen Stein, D-51105 Koln - Germany
Identification Number:	0035
Fluid Group:	1
EC-Certificate of conformity No:	01 202 CHNQ-19 0641

Table 6

Responsible Person to issue the declaration of Conformity:	Date	Signature
Mr. Zhouyang Li	2021.5.27	

