



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 manufacturer's name and address:

Company: Zhejiang Sanhua Commercial Refrigeration Controls Co., Ltd
Address: No.6 Damingshi Road, Yulin District, Xinchang, Shaoxing, 312500,
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Authorized Company: Sanhua International Europe S.L.

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

Section 1 - Pressure Equipment Directive 2014/68/EU

Declaration:

Check valves series shown in the tables below, are classified as "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.

Summary:

Product Series	PS (bar)	Table
YCVS	49	See Table 2
YCVS-R	49	See Table 3
CCV	49	See Table 4a,4b
BCV	140	See Table 5
YCV	42	See Table 6
CV	42	See Table 7

Table 1

Description of Products:

TS (°C)	-50 to +150		Fluid Group 1		Fluid Group 2	
Models	DN (mm)	Connection ØD ODS	Safety category	Module annex III – PED Directive 2014/68/EU	Safety category	Module annex III – PED Directive 2014/68/EU
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	11.1	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) 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	13.9	16mm (5/8")	Art. 4.3	-	Art. 4.3	-
YCVS(x) 6Hyy	17.1	19mm & 3/4"	Art. 4.3	-	Art. 4.3	-
YCVS(x) 7Hyy	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	Cat. II	D	Art. 4.3	-
YCVS(x) 31-yyGSHC-y	31	35mm (1" 3/8)	Cat. II	D	Art. 4.3	-
YCVS(x) 31-yyGSHC-y	31	42mm & 1" 5/8	Cat. II	D	Art. 4.3	-

Table 2

TS (°C)	-50 to +150		Fluid Group 1		Fluid Group 2	
Models	DN (mm)	Connection ØD ODS	Safety category	Module annex III – PED Directive 2014/68/EU	Safety 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	11.1	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	31	35mm (1" 3/8)	Cat. II	D	Art. 4.3	-

YCVS(x) 31-yyGSHC-yr	31	42mm & 1" 5/8	Cat. II	D	Art. 4.3	-
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Table 3

TS (°C)	-40 to +160		Fluid Group 1		Fluid Group 2	
Models	DN (mm)	Connection ØD ODS	Safety category	Module annex III – PED Directive 2014/68/EU	Safety 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 4a

TS (°C)	-40 to +150		Fluid Group 1		Fluid Group 2	
Models	DN (mm)	Connection ØD ODS	Safety category	Module annex III – PED Directive 2014/68/EU	Safety category	Module annex III – PED Directive 2014/68/EU
CCV2Hxx; CCV2Hxxx	19.8	1/4"	Art. 4.3	-	Art. 4.3	-
CCV3Hxx; CCV3Hxxx	19.8	3/8"	Art. 4.3	-	Art. 4.3	-
CCV4Hxx; CCV4Hxxx	25.58	1/2"	NOT CERTIFIED	-	Art. 4.3	-
CCV5Hxx; CCV5Hxxx	25.58	16mm (5/8")	NOT CERTIFIED	-	Art. 4.3	-
CCV6Hxx; CCV6Hxxx	25.58	3/4"	NOT CERTIFIED	-	Art. 4.3	-
CCV7Hxx; CCV7Hxxx	26	22mm (7/8")	Cat. II	D	Art. 4.3	-
CCV9Hxx; CCV9Hxxx	33.7	1" 1/8	Cat. II	D	Cat. I	A (point 1)
CCV11Hxx; CCV11Hxxx	42.4	35mm (1" 3/8)	Cat. II	D	Cat. I	A (point 1)
CCV13Hxx; CCV13Hxxx	48.6	1" 5/8	Cat. II	D	Cat. I	A (point 1)
CCV17Hxx; CCV17Hxxx	60.3	2" 1/8	Cat. II	D	Cat. I	A (point 1)

Table 4b

TS (°C)	-40 to +150		Fluid Group 1		Fluid Group 2	
Models	DN (mm)	Connection ØD ODS	Safety category	Module annex III – PED Directive 2014/68/EU	Safety category	Module annex III – PED Directive 2014/68/EU
BCV08-005**	6.5	3/8	NA	-	Art. 4.3	-
BCV08-001	6.5	3/8	NA	-	Art. 4.3	-
BCV13-002	14.2	1/2	NA	-	Art. 4.3	-
BCV13-001	14.2	5/8	NA	-	Art. 4.3	-

Table 5

TS (°C)	-30 to +100		Fluid Group 1		Fluid Group 2	
Models	DN (mm)	Connection ØD ODS	Safety category	Module annex III – PED Directive 2014/68/EU	Safety category	Module annex III – PED Directive 2014/68/EU
YCV3(x) -yyGxxx-y	7.9	1/8";1/4";3/8"	Art. 4.3	-	Art. 4.3	-
YCV5(x) -yyGxxx-y	11.1	1/8";1/4";3/8"; 1/2"	Art. 4.3	-	Art. 4.3	-
YCV8(x) -yyGxxx-y	16.7	3/8";1/2";5/8"; 3/4"	Art. 4.3	-	Art. 4.3	-
YCV11(x) -yyGxxx-y	19.8	3/8";1/2";5/8"; 3/4";7/8"	Art. 4.3	-	Art. 4.3	-
YCV15(x) -yyGxxx-y	26.2	1/2";5/8"; 3/4";7/8";1;1-1/8"	NOT CERTIFIED	-	Art. 4.3	-
YCV05-xxx	11.1	1/8";1/4";3/8"; 1/2"	Art. 4.3	-	Art. 4.3	-
YCV08-xxx	16.7	3/8";1/2";5/8"; 3/4"	Art. 4.3	-	Art. 4.3	-
YCV11-xxx	19.8	3/8";1/2";5/8"; 3/4";7/8"	Art. 4.3	-	Art. 4.3	-
YCV15-xxx	26.2	1/2";5/8"; 3/4";7/8";1;1-1/8"	NOT CERTIFIED	-	Art. 4.3	-

Table 6

TS (°C)	-30 to +100		Fluid Group 1		Fluid Group 2	
Models	DN (mm)	Connection ØD ODS	Safety category	Module annex III – PED Directive 2014/68/EU	Safety category	Module annex III – PED Directive 2014/68/EU
C(A)V-yyGxxx-y	7.9	1/8";1/4";3/8"	Art. 4.3	-	Art. 4.3	-
CV5(x)-yyGxxx-y	10.5	1/4";3/8"; 1/2"	Art. 4.3	-	Art. 4.3	-
CV8(x)-yyGxxx-y	16.7	3/8";1/2";5/8";	Art. 4.3	-	Art. 4.3	-

Table 7

x positions and y positions can be any letters.

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

Notified Body:

For products are defined as Category II in tables above, are 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
EC-Certificate of conformity No:	01 202 CHN/Q-22 0740

Responsible Person to issue the declaration of Conformity:	Date	Signature
Mr. Zhouyang Li	25.4.30	

