



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,
Zhejiang, China

Authorized Representative: Ilan Peleg

Authorized Company: Sanhua International Europe S.L.

Tel: +34 91 654 46 92

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

Section 1 - Pressure Equipment Directive 2014/68/EU

Declaration:

Ball 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
SBV - Full Port	49	See Table 2a
SBV - Reduced Port	49	See Table 2b
SBV-R	49	See Table 3
RBV-R	49	See Table 4
CBV	60	See Table 5
CBVT	140	See Table 6
GBV	49	See Table 7

Table 1

Description of Products:

TS (°C) *(1)	-40 to +120		Fluid Group 1		Fluid Group 2	
Model	DN (mm)	Connection ØD ODS	Safety category	Part 3 – annex III – PED Directive 2014/68/EU	Safety category	Part 3 – annex III – PED Directive 2014/68/EU
SBV02-xxx SBV02-xxxT	11.1	6mm & 1/4"	Art. 4.3	-	Art. 4.3	-
SBV03-xxx SBV03-xxxT	11.1	10mm & 3/8"	Art. 4.3	-	Art. 4.3	-
SBV04-xxx SBV04-xxxT	11.1	12mm & 1/2"	Art. 4.3	-	Art. 4.3	-
SBV(M)-(J)A5YHyy(y)-x-xx	13.9	15, 16mm (5/8")	Art. 4.3	-	Art. 4.3	-
SBV(M)-(J)A6YHyy(y)-x-xx	17.1	18mm & 3/4"	Art. 4.3	-	Art. 4.3	-
SBV(M)-(J)A7YHyy(y)-x-xx	19.8	22mm (7/8)	Art. 4.3	-	Art. 4.3	-
SBV(M)-(J)A9YHyy(y)-x-xx	25.6	28mm & 1" 1/8	Cat. II	D	Art. 4.3	-
SBV(M)-(J)A11YHyy(y)-x-xx	31.0	35mm (1" 3/8)	Cat. II	D	Art. 4.3	-
SBV(M)-(J)A13YHyy(y)-x-xx	37.3	42mm (1" 5/8)	Cat. II	D	Cat.I	A (point 1)
SBV(M)-(J)A17YHyy(y)-x-xx	49.0	54mm (2" 1/8)	Cat. II	D	Cat.I	A (point 1)
SBV(M)-(J)A19YHyy(y)-x-xx	49.0	64mm	Cat. II	D	Cat.I	A (point 1)
SBV(M)-(J)A21YHyy(y)-x-xx	60.7	2" 5/8	Cat. II	D	Cat.I	A (point 1)
SBV(M)-(J)A25YHyy(y)-x-xx	72.4	80mm (3" 1/8)	Cat. II	D	Cat.I	A (point 1)
SBV(M)-(J)A29YHyy(y)-x-xx	83.7	92mm (3" 5/8)	Cat. II	D	Cat.I	A (point 1)
SBV(M)-(J)A33YHyy(y)-x-xx	95.2	105mm (4" 1/8)	Cat. II	D	Cat.I	A (point 1)
SBV(M)-(J)A34YHyy(y)-x-xx	95.2	108mm (4" 1/4)	Cat. II	D	Cat.I	A (point 1)

Table 2a

TS (°C) *(1)	-40 to +120		Fluid Group 1		Fluid Group 2	
Model	DN (mm)	Connection ØD ODS	Safety category	Part 3 – annex III – PED Directive 2014/68/EU	Safety category	Part 3 – annex III – PED Directive 2014/68/EU
SBV05-6xx/8xx	11.1	15, 16mm (5/8")	Art. 4.3	-	Art. 4.3	-
SBV06-6xx/8xx	13.9	18mm & 3/4"	Art. 4.3	-	Art. 4.3	-
SBV07-6xx/8xx	17.1	22mm (7/8)	Art. 4.3	-	Art. 4.3	-
SBV09-6xx/8xx	19.8	28mm & 1" 1/8	Art. 4.3	-	Art. 4.3	-
SBV11-6xx/8xx	25.6	35mm (1" 3/8)	Cat. II	D	Art. 4.3	-
SBV13-6xx/8xx	31.0	42mm (1" 5/8)	Cat. II	D	Art. 4.3	-
SBV17-6xx/8xx	49.0	54mm (2" 1/8)	Cat. II	D	Cat.I	A (point 1)

SBV21-6xx	49.0	2" 5/8	Cat. II	D	Cat.I	A (point 1)
SBV25-6xx	60.7	80mm (3" 1/8)	Cat. II	D	Cat.I	A (point 1)
SBV29-6xx	72.4	92mm (3" 5/8)	Cat. II	D	Cat.I	A (point 1)
SBV33-6xx	83.7	105mm (4" 1/8)	Cat. II	D	Cat.I	A (point 1)
SBV34-6xx	83.7	108mm (4" 1/4)	Cat. II	D	Cat.I	A (point 1)

Table 2b

TS (°C) *(1)	-40 to +120		Fluid Group 1		Fluid Group 2	
Model	DN (mm)	Connection ØD ODS	Safety category	Part 3 – annex III – PED Directive 2014/68/EU	Safety category	Part 3 – annex III – PED Directive 2014/68/EU
SBV02-xxxR	11.1	6mm & 1/4"	Art. 4.3	-	Art. 4.3	-
SBV03-xxxR	11.1	10mm & 3/8"	Art. 4.3	-	Art. 4.3	-
SBV04-xxxR	11.1	12mm & 1/2"	Art. 4.3	-	Art. 4.3	-
SBV05-xxxR	13.9	15, 16mm (5/8")	Art. 4.3	-	Art. 4.3	-
SBV06-xxxR	17.1	18mm & 3/4"	Art. 4.3	-	Art. 4.3	-
SBV07-xxxR	19.8	22mm (7/8)	Art. 4.3	-	Art. 4.3	-
SBV09-xxxR	25.6	28mm & 1" 1/8	Cat. II	D	Art. 4.3	-
SBV11-xxxR	31.0	35mm (1" 3/8)	Cat. II	D	Art. 4.3	-
SBV13-xxxR	37.3	42mm (1" 5/8)	Cat. II	D	Cat.I	A (point 1)
SBV17-xxxR	49.0	54mm (2" 1/8)	Cat. II	D	Cat.I	A (point 1)
SBV19-xxxR	49.0	64mm	Cat. II	D	Cat.I	A (point 1)
SBV21-xxxR	60.7	2" 5/8	Cat. II	D	Cat.I	A (point 1)
SBV25-xxxR	72.4	80mm (3" 1/8)	Cat. II	D	Cat.I	A (point 1)

Table 3

TS (°C)	-60 to +160		Fluid Group 1		Fluid Group 2	
Model	DN (mm)	Connection ØD ODS	Safety category	Part 3 – annex III – PED Directive 2014/68/EU	Safety category	Part 3 – annex III – PED Directive 2014/68/EU
RBV02-xxxR	13.9	6mm & 1/4"	Art. 4.3	-	Art. 4.3	-
RBV03-xxxR	13.9	10mm & 3/8"	Art. 4.3	-	Art. 4.3	-
RBV04-xxxR	13.9	12mm & 1/2"	Art. 4.3	-	Art. 4.3	-
RBV05-xxxR	13.9	16mm (5/8")	Art. 4.3	-	Art. 4.3	-
RBV06-xxxR	17.1	3/4"	Art. 4.3	-	Art. 4.3	-
RBV07-xxxR	19.8	22mm (7/8)	Art. 4.3	-	Art. 4.3	-
RBV09-xxxR	25.6	28mm & 1" 1/8	Cat. II	D	Art. 4.3	-
RBV11-xxxR	31.0	35mm (1" 3/8)	Cat. II	D	Art. 4.3	-
RBV13-xxxR	37.3	42mm (1" 5/8)	Cat. II	D	Cat. I	A (point 1)
RBV17-xxxR	49.0	54mm (2" 1/8)	Cat. II	D	Cat. I	A (point 1)

Table 4

TS (°C)	-40 to +150		Fluid Group 1		Fluid Group 2	
Model	DN (mm)	Connection ØD ODS	Safety category	Part 3 – annex III – PED Directive 2014/68/EU	Safety category	Part 3 – annex III – PED Directive 2014/68/EU
CBV02-xxx	13.9	6mm & 1/4"	NA	-	Art. 4.3	-
CBV03-xxx	13.9	10mm & 3/8"	NA	-	Art. 4.3	-
CBV04-xxx	13.9	12mm & 1/2"	NA	-	Art. 4.3	-
CBV05-xxx	13.9	16mm (5/8")	NA	-	Art. 4.3	-
CBV06-xxx	17.1	18mm & 3/4"	NA	-	Art. 4.3	-
CBV07-xxx	19.8	22mm (7/8)	NA	-	Art. 4.3	-
CBV09-xxx	25.6	28mm & 1" 1/8	NA	-	Art. 4.3	-
CBV11-xxx	31.0	35mm (1" 3/8)	NA	-	Art. 4.3	-
CBV13-xxx	37.3	42mm & 1" 5/8	NA	-	Cat. I	A (point 1)
CBV17-xxx	49.0	54mm (2" 1/8)	NA	-	Cat. I	A (point 1)

Table 5

TS (°C)	-40 to +150		Fluid Group 1		Fluid Group 2	
Model	DN (mm)	Connection ØD ODS	Safety category	Part 3 – annex III – PED Directive 2014/68/EU	Safety category	Part 3 – annex III – PED Directive 2014/68/EU
CBVT 02Hxxx	11.1	6mm & 1/4"	NA	-	Art. 4.3	-
CBVT 03Hxxx	11.1	10mm & 3/8"	NA	-	Art. 4.3	-
CBVT 04Hxxx	11.1	12mm & 1/2"	NA	-	Art. 4.3	-
CBVT 05Hxxx	14.2	15, 16mm (5/8")	NA	-	Art. 4.3	-
CBVT 06Hxxx	19.6	18mm & 3/4"	NA	-	Art. 4.3	-
CBVT 07Hxxx	19.6	22mm (7/8")	NA	-	Art. 4.3	-
CBVT 09Hxxx	25.6	28mm & 1" 1/8	NA	-	Art. 4.3	-
CBVT 11H3xx	31.0	35mm (1" 3/8)	NA	-	Art. 4.3	
CBVT 11H0xx	35.0	35mm (1" 3/8)	NA	-	Cat. I	A (point 1)
CBVT 13Hxxx	39.0	42mm & 1" 5/8	NA	-	Cat. I	A (point 1)
CBVT 17Hxxx	51.0	54mm (2" 1/8)	NA	-	Cat. I	A (point 1)

Table 6

TS (°C) *(1)	-40 to +150		Fluid Group 1		Fluid Group 2	
Model	DN (mm)	Connection ØD ODS	Safety category	Part 3 – annex III – PED Directive 2014/68/EU	Safety category	Part 3 – annex III – PED Directive 2014/68/EU
GBV05Hxxx	14.6	15, 16mm (5/8")	Art. 4.3	-	Art. 4.3	-
GBV06Hxxx	20.6	18mm & 3/4"	Art. 4.3	-	Art. 4.3	-
GBV07Hxxx	20.6	22mm (7/8")	Art. 4.3	-	Art. 4.3	-
GBV09Hxxx	26.6	1" 1/8	Cat. II	D	Art. 4.3	-
GBV11Hxxx	33.4	35mm (1" 3/8)	Cat. II	D	Art. 4.3	-
GBV13Hxxx	39.0	1" 5/8	Cat. II	D	Art. 4.3	-

Table 7

xxx position: identifies internal code

yyy position: identifies customer code

Note:

*(1): Max allowed temperatures for SBV, SBV-R, GBV series must be considered like:

Max TS = +150°C for 96 hours

All the models listed in the tables 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	2024.11.18	

