



# Certificate of Quality System Approval

This is to certify that the product listed below conforms to the requirements of the  
**Pressure Equipment Directive 2014/68/EU**  
 Annex III Module H1

<b>Certificate Number</b>	HPIVS-IP1001-T112-Q-13		
<b>Date of Issue</b>	13-May-2020	<b>Date of Expiry</b>	11-Mar-2023
<b>Manufacturer</b>	<b>Fujian Snowman Co., Ltd.</b>		<b>Surveillance due:</b> 13-Mar-2021
	1. Dongshan Road, Minjiangkou Industrial District Fujian Province, China. 2. S201 Road, Songxia Town Fuzhou Binhai Industrial District , Fuzhou City Fujian Province, China		
<b>Description of Pressure Equipment</b>	Liquid Receivers, Oil Separators, Suction Accumulators, Evaporators, Condensers, Oil Coolers, Filters and refrigeration equipment - see attached schedule for design parameters		
<b>Equipment Identification</b>	Nameplate on each item		
<b>Type of material</b>	steels		
<b>Other Certification</b>	ISO 9001:2015 Quality Management Certificate no CN18/31147.00 issued by SGS		
<b>Standards Applied</b>	GB/T 150.1~4:2011		
<b>Design Examination Cert Ref</b>	P1001-112-I-01 to -57 inclusive		
<b>Report Reference</b>	HPIVSie/IP1001-T112-8		

This Certificate is valid in any European Economic Area Member State.

**This Report has been issued by HPI Verification Services (Ireland) Ltd. which is a body notified to the European Commission according to the provisions of the Pressure Equipment Directive (Notified Body number 2810).**

**This Report is issued following the assessment of the documentation and implementation of the Quality System in accordance with the provisions of the quoted Conformity Assessment Module of the above directive. The CE Mark may be affixed to the Pressure Equipment within the scope of approval as described above once the EU 'declaration of conformity' has been signed by the responsible person. The number '2810', being HPI Verification Services (Ireland) Ltd. Notified Body number should also be placed on the equipment dataplate.**

Check this certificate is genuine



Managing Director

Technical Manager



EU Notified Body No. 2810  
 Company registered in Ireland #577786

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Tel +353 (0)1 8017008

Email enquiries@hpivs.ie  
 www.eucertification.ie

HPI Verification Services (Ireland) Ltd.  
 Clonross  
 Dunshaughlin, Co.Meath  
 A85 XN59, Ireland





HPI Verification Services

HPI Verification Services (Ireland) Ltd.  
 Clonross, Dunshaughlin, Co. Meath, A85 XN59, Ireland

T: +353 (0)1 8017008  
[www.eucertification.ie](http://www.eucertification.ie)

## Specifications – attached to HPIVS-P1001-112-Q-13 Module H1 certificate

No.	Product Description/ models	Temperature range (°C)	PSI(bar)	Standard used	Models		
					Category II	Category III	Category IV
1	Liquid Receiver for Refrigeration Systems	0--55 °C	28 bar	GB/T1150 series	/	WZF50, WZF67	WZF115, WZF150, WZF220, WZF350, WZF450, WZF550
		0--55 °C	28 bar	GB/T1150 series	LZF14, LZF14(A), LZF24	LZF36, LZF50, LZF67	LZF115, LZF210, LZF350
		0--55 °C	25 bar	GB/T1150 series	/	/	GZA0.525, GZA0.7, GZA0.9, GZA1.0, GZA1.4, GZA1.75, GZA2.5, GZA5.0, GZA0.075
2	Oil Separator for Refrigeration Systems	0-120 °C	28 bar	GB/T1150 series	/	YF300, YF350	YF500, YF400, YF600, YF750
3	3 in 1 devices (receiver, cooler, separator)	-15~+55 °C	17bar(inside) 24 bar(jacket)	GB/T1150 series	SQ194-20, SQ194-25, SQ194-32, SQ194-40	SQ245-50, SQ300-65, SQ300-80, SQ400-100	SQ500-125, SQ600-150
4	Suction Accumulators for Refrigeration Systems	-15~+55 °C	17&18bar(REFER to each model)	GB/T1150 series	/	/	GQF10, GQF20, GQF30, GQF40, GQF50, GQF70, GQF100
5	Flake Ice Evaporators for Refrigeration Systems	-25~+120 °C	17bar	GB/T1150 series	/	F60SF, F80SF, F100SF, F150SF , F200SF, F250SF, F300SF,	F350SF, F400SF, F150ASF, F200ASF, F250ASF, F300ASF, F350ASF, F400ASF



						F60ASF、F80ASF、F100ASF	
6	Condensers for Refrigeration Systems	0~+120℃	Shell side: 28bar Tube side: 7bar	GB/T150 series	WNF2.3、WNF2 WNF5、WNF9、 WNF10	WNF12、WNF20、WNF27(S)、 WNF27(L)、WNF40、WNF2.79、 WNF2.61、WNF2.97、WNF4.2A、 WNF4.2B、WNF4.6、WNF3.68A、 WNF3.68B	WNF47、WNF55、WNF69、WNF81、 WNF95、WNF6.9、WNF114
7	Tube Ice Evaporators for Refrigeration Systems	-20~+38℃	17&18bar(prefer to each model)	GB/T150 series	/	TIM10	TIM30、TIM50、TIM100、TIM150、 TIM200、TIM250、TIM300、TIM400、 TIM500、TIM700、TIM1000
8	Oil cooler	Shell side: Max +120℃ Tube side: Max+ 70℃	Shell side: 63bar Tube side: 10bar	GB/T150 series	/	/	WNG17.1(CE)、WNG22.6(CE)、 WNG19.2(CE)、WNG20.6(CE)、WNG32(CE) 、WNG33.7(CE)
9	Oil Separator	Max+120℃	63bar	GB/T150 series	/	/	YF550A(CE)、YF600(CE)
10	Oil Separator	Max+125℃	25bar	GB/T150 series	/	/	YF-XR26M(CE)、YF-XR20L-L(CE)、 YF-XR26MA(CE)、YF-XR16M(CE)、 YF-XR26L-L(CE)、YF-XR26L(CE)、
11	Filter	-40~+120℃	28bar 63bar 40bar	GB/T150 series	GLQ(MX)6(CE)、 GLQ(MY)7(CE)	GLQ(MX)31.6(CE)、 GLQ(MX)15.7(CE) GLQ(MY)23(CE)、 GLQ(MY)23A(CE)、 GLQ(MY)19(CE)、 GLQ(MY)19A(CE)	GLQ(MX)240(CE)、GLQ(MX)103(CE)、 GLQ(MX)75.4(CE)、GLQ(MY)49(CE)、 GLQ(MY)99A(CE)
						GLQ(HY)17(CE)、GLQ(HY)22(CE)	GLQ(HX)31.6(CE)、GLQ(HY)22.7(CE)、 GLQ(HY)17.8(CE)、GLQ(HY)49(CE)、 GLQ(HX)75.4(CE)
						GLQ(HX)17(CE)、GLQ(HX)6(CE)	GLQ(HX)17.8(CE)、GLQ(HY)49(CE)、 GLQ(HX)75.4(CE)
						GLQ(HY)17(CE)、GLQ(HY)22(CE)	GLQ(HX)63(CE)



12	EVAPORATOR	Shell side: -18~+38℃ Tube side: -25~+38℃	Shell side: 10bar Tube side: 18bar	GB/T150 series	/	/	GK82.5(CE)
13	CONDENSER	Shell side: Max +120℃ Tube side: Max +55℃	Shell side: 28bar Tube side: 10bar	GB/T150 series	/	/	WNF132(CE)、WNF11.4(CE)
14	ECONOMIZER	Shell side: 0~+55℃ Tube side: -15~+42℃	Shell side: 28bar Tube side: 28bar	GB/T150 series	/	/	ZL-XR26M-A(CE)
15	Evaporator	-25~38℃	17bar	GB/T150 series	F60SF(CE)、 F100SF(CE)、 F150SF(CE)	F200SF(CE)、F250SF(CE)、 F300SF(CE)、F60ASF(CE)、 F100ASF(CE)	F350SF(CE)、F400SF(CE)、F450SF(CE)、 F600SF(CE)、F150ASF(CE)、F200ASF(CE)、 F250ASF(CE)、F300ASF(CE)、F350ASF(CE)、 F400ASF(CE)、F450ASF(CE)、F600ASF(CE)
16	OIL SEPARAOR	0~120℃	25bar	GB/T150 series	/	/	GYF350(CE)、GYF400(CE)、GYF500(CE)、 GYF600(CE)、GYF750(CE)、GYF850(CE)、 GYF1000(CE)、GYF1200(CE)、GYF1400(CE)
17	OIL RESERVIOIRS	0~+55℃	28bar	GB/T150 series	CY6、CY8	/	/
18	OIL SEPARAOR	0~120℃	25bar	GB/T150 series	/	/	GYF350A(CE)、GYF500A(CE)、GYF850A(CE)
19	FLASH BARRELS	-20~+40℃	21bar	GB/T150 series	/	/	SFT56(CE)
20	OIL REGENERATOR	Shell side: 0~+100℃ Tube side: -15~+35℃	Shell side: 25bar Tube side: 18bar	GB/T150 series	/	YHRQA(CE)	
21	pipiing	0~250℃	45bar	EN ISO13480		Na	Na



22	FLICKER ECONOMIZER	0~+55℃	25bar	GB/T150 series	/	/	SZ00.22(CE)
23	ECONOMIZER	Shell side: 0~+55℃	Shell side: 25bar	GB/T150 series	/	J101.96(CE)	WNG11.2(CE)、WNG13.7(CE)、WNG5E(CE)、 WNG13(CE)、WNG13A(CE)
		Tube side: -15~+55℃	Tube side: 25bar				
24	Oil cooler	Shell side: Max +120℃	Shell side: 28bar	GB/T150 series	WNG1.5(CE)、 WNG3(CE)、 WNG2(CE)、 WNG4(CE)、 WNG5(CE)、 WNG8(CE)、 WNG12(CE)		WNG11.2(CE)、WNG13.7(CE)、WNG5E(CE)、 WNG13(CE)、WNG13A(CE)
		Tube side: Max+ 55℃	Tube side: 10bar				
25	Filter	-60~+120℃	63bar	GB/T150 series		GLQ(HX)6(CE-B)、 GLQ(HX)15.7(CE-B)	GLQ(HX)31.6(CE-B)、GLQ(HX)75.4(CE-B)、 GLQ(HX)15.7(CE-B)
	Filter	-40~+120℃	63bar	GB/T150 series		GLQ(HX)6(CE-M)、 GLQ(HX)15.7(CE-M)	GLQ(MX)75.4(CE-B)、GLQ(MX)75.4A(CE-B) 、GLQ(MX)240(CE-B)
	Filter	-60~+120℃	28bar	GB/T150 series	GLQ(MX)6(CE-B)、 GLQ(MX)6A(CE-B)	GLQ(MX)15.7(CE-B)、 GLQ(MX)31.6(CE-B)	GLQ(MX)75.4(CE-M)、GLQ(MX)75.4A(CE-M) 、GLQ(MX)240(CE-M)
26	Oil separator	0~150℃	25bar	GB/T150 series			GLQ(MX)6(CE-M)、 GLQ(MX)6A(CE-M)
27	Oil separator	0~120℃	25bar	GB/T150 series			GLQ(MX)15.7(CE-M)、 GLQ(MX)31.6(CE-M)
28	Oil cooler	Shell side: 0~+95℃	Shell side: 25bar	GB/T150 series			WNG16.8(CE)
		Tube side: 0~+70℃	Tube side: 10bar				



29	Oil cooler	Shell side: Max +100 °C	Shell side: 28bar	GB/T150 series	WNG1.2(CE)、 WNG2.6(CE)、 WNG3B(CE)、 WNG4.3A(CE)、 WNG7.3(CE)、 WNG10.3A(CE)、		
		Tube side: Max+60 °C	Tube side: 28bar				
30	Condenser	Shell side: Max +90 °C	Shell side: 28bar	GB/T150 series	WNF2B(CE)		
		Tube side: Max+55 °C	Tube side: 6ar				
31	ECONOMIZER	Shell side: 0~+55 °C	Shell side: 25bar	GB/T150 series		JIQ3.2(CE)	
		Tube side: 0~+55 °C	Tube side: 25bar				
32	Oil separator	0-125 °C	25bar	GB/T150 series			YF-XR2016LS(CE)
33	Evaporator	-40~38 °C	50bar	GB/T150 series	F40EF(CE)	F60EF(CE) 、 F100EF(CE)	F150EF(CE)
34	Evaporator	-29~38 °C	17bar	GB/T150 series	F60BSF、 F75BSF、 F80BSF、 F100BSF、 F100BSF-A、 F150BSF-A	F150BSF、 F200BSF、 F250BSF、 F300BSF	
35	Filter	-40~120 °C	28bar	GB/T150 series	GLQ(MX) 6B(CE-M)	GLQ(MX) 15.7B(CE-M)	
36	Ammonia separator	-19~38 °C	18bar	GB/T150 series			WAF377A(CE) 、 WAF377B(CE)
37	Oil separator	0~125 °C	25bar	GB/T150 series			YF-20M(CE) 、 YF-XR2C16L(CE)
38	Oil cooler	Shell side: 0~+95 °C	Shell side: 25bar	GB/T150 series			YL-BZ20L-L(CE) 、 YL-XR20M(CE)
		Tube side: 0~+55 °C	Tube side: 25bar				



39	Middle chiller	Shell side: -10~55℃	Shell side: 25bar	GB/T150 series			ZL-XR2C16L(CE)
		Tube side: -10~38℃					
40	Oil separator	0~120℃	25bar	GB/T150 series			HYF350(CE)、HYF400(CE)、HYF500(CE)、HYF600(CE)、HYF750(CE)、HYF900(CE)、HYF1000(CE)、HYF1200(CE)、HYF1400(CE)、HYF1600(CE)
41	RECEIVER	0~70℃	25bar	GB/T150 series			GZA2.5A(CE)
42	SECOND AMMONIA RECEIVER	0~50℃	21bar	GB/T150 series			FZA1.2(CE)
43	Oil cooler	Shell side: 0~+95℃ Tube side: 0~+55℃	Shell side: 25bar Tube side: 25bar	GB/T150 series		TOC16168(CE)、TOC16219(CE)、TOC16245(CE)、TOC20168(CE)、TOC16168(CE)	TOC16273(CE)、TOC16325(CE)、TOC20219(CE)、TOC20245(CE)、TOC20273(CE)、TOC20325(CE)、TOC24219(CE)、TOC24245(CE)、TOC24273(CE)、TOC24325(CE)、TOC24377(CE)、TOC28219(CE)、TOC28245(CE)、TOC28273(CE)、TOC28325(CE)、TOC28377(CE)、TOC28426(CE)、TOC28466(CE)、TOC35245(CE)、TOC35273(CE)、TOC35325(CE)、TOC35377(CE)、TOC35426(CE)、TOC35466(CE)、TOC35520(CE)
44	Oil separator	0~125℃	25bar	GB/T150 series			YF-XR20LL-1(CE)
45	Oil separator	0~110	25bar	GB/T150 series			YF-XR20M(CE)
46	RECEIVER	0~50	21bar	GB/T150 series			LZA0.21(CE)
47	Oil collector	0~50℃	21bar	GB/T150 series		DIY159(CE)	



48	OIL SEPARATOR	0-120 °C	25bar	GB/T150 series			YF-XR3-16M(CE)、YF-XR20M(A)(CE)
49	THREE IN ONE DEVICE	Inside side: 0~+40 °C Jacket side: 0~+55 °C	Inside side: 18bar Jacket side: 28bar	GB/T150 series	SQ194-20(CE)、 SQ194-25(CE)、 SQ194-32(CE)、 SQ194-40(CE)、 SQ245-50(CE)、 SQ300-65(CE)、 SQ300-80(CE)、	SQ400-100(CE)	
50	GAS-LIQUID SEPARATOR	-40~45 °C	21bar	GB/T150 series	LQF250-50(CE)、 LQF250-65(CE)、 LQF300-80(CE)	LQF400-100(CE)	LQF500-125(CE)、LQF600-150(CE)、 LQF700-200(CE)、LQF900-250(CE)
51	RECEIVER	0~55 °C	28bar	GB/T150 series	LZF14A(CE)	LZF36(CE)、LZF36G(CE)、 LZF50A(CE)、LZF67A(CE)	LZF115(CE)、LZF150(CE)、LZF220(CE)、 LZF220D(CE)、LZF300(CE)、LZF350(CE)、 LZF400(CE)、LZF450(CE)、LZF500B(CE)、 LZF550(CE)、LZF600(CE)、LZF700(CE)、 LZF800(CE)
52	TUBE ICE EVAPORATOR	Shell side: -20~+47 °C Tube side: -20~35 °C	Shell side: 21bar Tube side: /	GB/T150 series			TIM110(CE)、TIM30(CE)、TIM50(CE)、 TIM100(CE)、TIM150(CE)、TIM200(CE)、 TIM250(CE)、TIM300(CE)、TIM400(CE)、 TIM500(CE)、TIM700(CE)、TIM1000(CE)
53	Oil separator	0~150 °C	52bar	GB/T150 series			YF700(CE)
54	Oil cooler	Shell side: 0~+110 °C Tube side: 0~+70 °C	Shell side: 52bar Tube side: 10bar	GB/T150 series			W/N/G21.6(CE)
55	OIL SEPARATOR	0-110 °C	25bar	GB/T150 series			YF-XR26L(A)(CE)、YF-XR20LL(CE)
56	OIL SEPARATOR	0-120 °C	28bar	GB/T150 series			YF-XR34S(CE)
57	OIL SEPARATOR	0~110 °C	28bar	GB/T150 series			YF-XRC1612LS-L(CE)

End of schedule