

EU – TYPE EXAMINATION CERTIFICATE
Module B – Production
Pressure Equipment Directive 2014/68/EU

HSB IE Reg. No: 03643-PD-B

Certificate No: HSB IE 24-04-006

Hartford Steam Boiler Ireland Limited – ‘Notified Body 2833’ has examined and verified the adequacy of the technical design of the pressure equipment attesting conformity with Annex III of the Pressure Equipment Directive 2014/68/EU for:

MANUFACTURER

NAME
 HANSUN ENGINEERING CO., LTD.

MANUFACTURERS ADDRESS
 27 Noksansandan 361-ro, Gangseo-gu, Busan, 46754 , Republic of Korea

PRESSURE EQUIPMENT

Type/Scope: RELIEF VALVES
Model: SRV30, SRV60, SRV60C SERIES
Standards: ASME B31.3, Edition 2018

CHAMBERS		SRV30	SRV60	SRV60C	
Fluid Group		1 & 2			
Category	Group	IV			
Nominal Size	‘DN’	6, 8, 10, 12 mm 1/8”, 1/4”, 3/8”, 1/2”	6, 8, 10, 12 mm 1/8”, 1/4”, 3/8”, 1/2”	1/4”, 1/2”, 1”	mm
Maximum Allowable Pressure	‘PS’	413	413	413	bar g
Max/Min Allowable Temperature	‘TS’	135 °C / -12 °C	204 °C / -28 °C	204 °C / -26 °C	°C
Calculated Test Pressure	‘PT’	31.1	642.8	645.7	bar g

RESTRICTIONS/CONDITIONS

- ** CE-marked safety accessories are not supplied and must be installed prior to putting into service. The supplied safety accessories have to be manufactured as category IV equipment and must be CE marked by a Notified Body under the Pressure Equipment Directive 2014/68/EU.
- This certificate does not enable the manufacturer to CE mark the pressure equipment unless the manufacturer has undertaken the applicable conformity assessment module during production phase.

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APPENDIX

TECHNICAL FILE	EXAMINATION OF THE SPECIMEN AND TECHNICAL FILE DOCUMENTATION
Serial Number / Identification	BD-ZCAH BC-AZBG-001 & 002
Drawing Number(s)	<p>SRV30 Series Rev: 0 RV30-INST-S6 / RV60-BNT-S6 / RV60-LNT-S6 / RV60-STGD-S6 / RV60-UPDISC-S6 / RV60-UPDISC-S6 / RV60-UPDISC-S6 / RV60-UPDISC-S6 Rev.0 RV30-PPT-S6 / RV30-STM-S6 / RV60-CAP-S6 / RV60-DISC-S6 / RV60-MF-4N-S6 Rev.1 & RV30-INST-S6 Rev.2 <u>Valve detail dwg.:</u> RV60-MF-4G-S6 / RV60-MF-4R-S6 / RV60-MF-6R-S6 / RV60-MF-8R-S6 / RV60-S-2T-S6 / RV60-S-4T-S6 / RV60-S-6M-S6 / RV60-S-6T-S6 / RV60-S-10M-S6 / RV60-S-12M-S6 Rev. 0 RV60-MF-6G-S6 / RV60-MF-6N-S6 / RV60-MF-8G-S6 / RV60-MF-8N-S6 / RV60-S-8M-S6 Rev. 1</p> <p>SRV60 Series Rev: 0 XRV60-SPR-A- S631 / RV60C-AS-S6 / RV60C-BODY-CF3M / RV60C-CAP-S6 / RV60C-CON-M-8N- S6 / RV60C-HLD-S6 / RV60C-LN-S6 / RV60C-SKP-S6 / RV60C-SPT-S6 Rev. 0 & RV60C-STM-S6 Rev. 1 XJNT-M16-8L-S4 / XRV60C-NMPLT-S4 / XRV60C-SPR-A- X750 / XRV60C-SPR-B- X750 / XRV60C-SPR-C- X750 / XSGBTS-M16-NBR- S6 / RV60C-CON-F-16G-S6 / RV60C-CON-F-16N-S6 / RV60C-CON-F-16R-S6 / RV60C-CON-F-20G-S6 / RV60C-CON-F-20N-S6 / RV60C-CON-F-20R-S6 / RV60C-CON-M-8G-S6 / RV60C-CON-M-8N-S6 / RV60C-CON-M-8R-S6 / RV60C-CON-M-12G-S6 / RV60C-CON-M-12N-S6 / RV60C-CON-M-12R-S6 Rev.0 <u>Valve detail dwg.:</u> RV60-MB-8N6M-S6 / RV60-MB-8N8M-S6 / RV60-MB-8N12M-S6 Rev. 0 & RV60-MF-4N-S6 Rev. 1</p> <p>SRV60C Series Rev: 0 XRV60-SPR-A- S631 / RV60C-AS-S6 / RV60C-BODY-CF3M / RV60C-CAP-S6 / RV60C-CON-M-8N- S6 / RV60C-HLD-S6 / RV60C-LN-S6 / RV60C-SKP-S6 / RV60C-SPT-S6 / RV60C-STM-S6 Rev.0 <u>Valve detail dwg.:</u> XJNT-M16-8L-S4 / XRV60C-NMPLT-S4 / XRV60C-SPR-A- X750 / XRV60C-SPR-B- X750 / XRV60C-SPR-C- X750 / XSGBTS-M16-NBR- S6 / RV60C-CON-F-16G-S6 / RV60C-CON-F-16N-S6 / RV60C-CON-F-16R-S6 / RV60C-CON-F-20G-S6 / RV60C-CON-F-20N-S6 / RV60C-CON-F-20R-S6 / RV60C-CON-M-8G-S6 / RV60C-CON-M-8N-S6 / RV60C-CON-M-8R-S6 / RV60C-CON-M-12G-S6 / RV60C-CON-M-12N-S6 / RV60C-CON-M-12R-S6 Rev.0</p>
Manufacturers Calculations	SRV30 HSDC-2310-002 Rev: 0 SRV60 HSDC-2310-001 Rev: 0 SRV60C HSDC-2310-003 Rev: 0
Particular Material Appraisal/s	HSPMA02311-001-Rev: 0 HSPMA02311-002-Rev: 0
Permanent Joining	This certificate is only valid when welding procedure qualifications, welding personnel and NDE personnel qualifications are approved by a Notified Body or Recognized Third Party prior to the start of production.
Risk Analysis/Design Checklist	HSCDR-2311-001 Rev0 HSCDR-2311-002 Rev0 HSCDR-2311-003 Rev0
No. Cycles	N/A
Other technical documentation	N/A

CERTIFICATION

*The undersigned Notified Body certifies that the construction, fabrication and testing of the described pressure equipment meets the requirements of the Pressure Equipment Directive 2014/68/EU.

– NOTIFIED BODY NO. 2833 –

ISSUE DATE 01-May-2024	EXPIRY DATE 30-April-2034	AUTHORISED SIGNATORY Pedro Veiga
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This Certificate is based on the representative example of pressure equipment and the relative data presented to the Notified Body