



Lloyd's  
Register

## Type Approval Certificate Extension

This is to certify that Certificate No. 07/00011 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	President Engineering Group trading as Bestobell Marine President Park President Way Sheffield S4 7UR United Kingdom (UK)
<b>DESCRIPTION</b>	Float level isolation valve
<b>TYPES</b>	FLIV
<b>RATINGS</b>	Size: DN 200/300 Maximum Rated Pressure: 10 bar Maximum Operating Pressure: 1 bar Temperature: +80°C to -163°C
<b>STANDARDS</b>	Lloyd's Register Rules and Regulations for the Classification of Ships 2014 LR Rules and Regulations for the construction and Classification of Ships for the carriage of Liquefied Gases in Bulk.
<b>APPLICATION</b>	Cargo tank cryogenic float level isolation valve for the use in LNG-Systems
<b>OTHER CONDITIONS</b>	Valves are to be installed and maintained in accordance with the manufacturer's recommendations. Valves are only suitable for operation with media LNG.

Certificate No.	14/20050
Issue Date	12 August 2014
Expiry Date	11 August 2019
Sheet	1 of 2

  
Torsten Schröder  
Hamburg Technical Support Office  
Lloyd's Register EMEA

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*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

*The attached Design Appraisal Document No. HTS/ENS 31211-14, issue No. 0, dated 12.08.2014 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 07/00011 to which this extension should be attached.

Certificate No.	14/20050
Issue Date	12 August 2014
Expiry Date	11 August 2019
Sheet	2 of 2

  
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# Marine Design Appraisal Document

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E-mail: hamburg-technical-support@lr.org

Date  
**12 August 2014**

Please quote this reference number on all future communications  
**HPC1461053/31211-14/DS/TS/MCG**

**THE LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2002  
ISSUED TO: PRESIDENT ENGINEERING GROUP, TRADING AS BESTOBELL MARINE  
FOR: FLOAT LEVEL ISOLATION VALVE  
TYPE FLIV  
TYPE APPROVAL CERTIFICATE NO. 14/20050**

**THIS MARINE DESIGN APPRAISAL DOCUMENT SUPERSEDES AND CANCELS  
DOCUMENT NUMBER 07/00011**

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register's Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

## APPROVAL DOCUMENTATION

Form 2571	Application for Type Approval	14.04.2014
07/00011	Previous LR Type Approval Certificate Extension	31.01.2007
07/00011	Previous Type Approval Design Appraisal Document	31.01.2007
-	DATA SHEET DN200/DN300 FLIV	-
IOM 017 issue D	Installation, Operation and Maintenance Manual	22.03.2011
Q167 issue 3	Test Specification – Q167 (Body Strength Test: 15 bar with water, Shell Tightness Test 11 bar with nitrogen, Seat Tightness Test: 1,1 bar with Nitrogen, Operability Test: 0,5 bar with Nitrogen)	July 2012
QP60 issue 1	Quality Plan for Float Level Isolation Valves example	07.02.2012
-	Asbestos-Free Declaration	11.01.2013
CHFGOUFAFLIV03 rev.F	Drawing FLOT LEVEL ISOLATION VALVE – DN300	28.07.2012
L0620A002-2 rev.A	Drawing FLOT LEVEL ISOLATION VALVE	09.07.2012

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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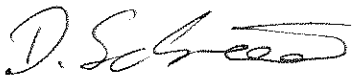
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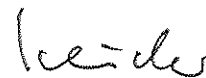
Please quote this reference number on all future communications  
HPC1461053/31211-14/DS/TS/MCG

### TEST REPORTS

LIV 1400651	Lloyd's Register visit report for Type Approval	26.06.2014
4502396368	Inspection certificate DN300 Float Level Isolation Valve carried out in accordance with Test Specification Q167, and witnessed by Lloyd's Register.	03.12.2013
4502329837	Inspection certificate DN300 Float Level Isolation Valve carried out in accordance with Test Specification Q167, and witnessed by Lloyd's Register.	14.01.2014
4001477433	Inspection certificate DN200 Float Level Isolation Valve carried out in accordance with Test Specification Q167 and witnessed by American Bureau of Shipping.	10.09.2013



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### Supplementary Type Approval Terms and Conditions

*Type Approval certifies that a representative sample of the products referred to herein have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.*

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Part 1A  
 Subject: Valves  
 Product: Valves - General (Part 1A)

Producer/Licence No.	Description of Product			Cert. No.	
	Type	Details of Approval	Application		Remarks
President Engineering Group trading as Bestobell Marine President Park President way Sheffield S4 7UR United Kingdom (UK)	FLIV	Float level isolation valve for media LNG  <u>Ratings:</u> Size: DN 200/300 Maximum Rated Pressure: 10 bar Maximum Operating Pressure: 1 bar Temperature: +80°C to -163°C	Cargo tank cryogenic float level isolation valve for the use in LNG-Systems	Expires: 11 August 2019  Valves are to be installed and maintained in accordance with the manufacturer's recommendations. Valves are only suitable for operation with media LNG.	14/20050