



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 02/00064(E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	PEKOS FABRICACION S.L.U.																																
PLACE OF PRODUCTION	Bildosola Industrialdea K3 E-48142 Artea (Vizcaya) Spain																																
DESCRIPTION	Cryogenic Ball Valves																																
TYPE	<p>Description: Cryogenic, split body, floating ball valves ½" - 4" Class 150-300 6" - 8" Class 150 DN15-125 PN16-25-40 DN150-200 PN16 Temperature range (°C): -196 to +200</p> <p>Description: Cryogenic, full trunnion ball valves 1½" - 24" Class 150-300-600 DN40-600 PN10-100 Temperature range (°C): -196 to +120</p> <p>Description: 3 Pieces Forged Ball Valves, Full Bore and Reduced Bore.</p> <p>Full Bore Valves Qualification by pressure/size</p> <table border="0"> <thead> <tr> <th>Size</th> <th>ANSI Class</th> <th colspan="2">Nominal Ratings</th> </tr> </thead> <tbody> <tr> <td>¼" - 1 ½"</td> <td>CL800</td> <td>DN6-DN40</td> <td>PN138</td> </tr> <tr> <td>2" - 2 ½"</td> <td>CL600</td> <td>DN50-DN65</td> <td>PN100</td> </tr> <tr> <td>3"</td> <td>CL400</td> <td>DN80</td> <td>PN40</td> </tr> </tbody> </table> <p>Reduced Bore Valves Qualification by pressure/size</p> <table border="0"> <thead> <tr> <th>Size</th> <th>ANSI Class</th> <th colspan="2">Nominal Ratings</th> </tr> </thead> <tbody> <tr> <td>½" - 2"</td> <td>CL800</td> <td>DN15-DN50</td> <td>PN138</td> </tr> <tr> <td>2 ½"- 3"</td> <td>CL600</td> <td>DN50-DN80</td> <td>PN100</td> </tr> <tr> <td>4"</td> <td>CL400</td> <td>DN100</td> <td>PN40</td> </tr> </tbody> </table> <p>Temperature range (°C): -196 to +200</p>	Size	ANSI Class	Nominal Ratings		¼" - 1 ½"	CL800	DN6-DN40	PN138	2" - 2 ½"	CL600	DN50-DN65	PN100	3"	CL400	DN80	PN40	Size	ANSI Class	Nominal Ratings		½" - 2"	CL800	DN15-DN50	PN138	2 ½"- 3"	CL600	DN50-DN80	PN100	4"	CL400	DN100	PN40
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Certificate No.	02/00064(E3)
Issue Date	25 May 2017
Expiry Date	05 August 2022
Sheet	1 of 2

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LR031.1.2016.06

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APPLICATION	Cryogenic ball valves for use in LNG/LPG carriers, marine and offshore applications, and land based cold store applications.
CODES & STANDARDS	LR Rules and Regulations for the Classification of Ships; LR Rules for Ships for Liquefied Gases; LR Rules and Regulations for the Classification of Refrigerated Stores, Container Terminals and Process Plant; API 598; BS 6364. BS 6775-1 EN 12266-1; ISO 5208
OTHER CONDITIONS	1) The valves are to be suitable for the design pressure of that part of the piping system in which they are to be fitted. 2) The use of the valves in pipework systems in LR Classed LNG/carriers, refrigerated cargo ships or cold/chill stores also require to be installed to the satisfaction of LR Surveyors and in accordance with the relevant Rules and Codes. 3) When used on an LR Classed installation, materials are to be sourced from LR approved works.

"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 Design Appraisal Document No. 02/00064(E3) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	02/00064(E3)
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