



NIPPON KAIJI KYOKAI

Certificate

Certificate No. 04LA003B

of

Type Approval

Manufacturer : POYAM VALVES
P.O.Box No.96 E-20200 BEASAIN, Spain

Article : Valves for Low Temperature Service of
Liquefied Gas Carriers

Type : Gate Valves, Globe Valves, Swing Check Valves,
Ball Valves (Top-Entry & Split-Body)


Approval No. : 04LA003B

Approval Conditions : As per attached sheet

THIS IS TO CERTIFY that the above mentioned types of article have been approved by NIPPON KAIJI KYOKAI in accordance with the requirements of 5.3.1, Part N of the Society's "Rules for the Survey and Construction of Steel Ships" and Chapter 2, Part 6 of the Society's "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use".

This certificate will remain in force until the 19th day of August 2009.

Issued on the 20th day of August 2004.


(S.Ogawa)
General Manager,
Machinery Department



Attached sheet to the Certificate No. 04LA003B

Approval Conditions

1. Particulars :

Type	Model No. [LBS]	End Connection	DWG. No.	Nominal Diameter [inch]	Min. Design Temperature [°C]	Max. Design Pressure [bar]
Gate Valve	150-900	Flange	21700 – 21713 25078 – 25081	1/2-24	-196	10
	150-900	Welding	21700-1 – 21713-1 25091 – 25094			
Globe Valve	150-900	Flange	21714 – 21725 25082 – 25087 25087-1 30057,30058	1/2-16		
	150-900	Welding	21714-1 – 21724-1 25095 – 25100 25100-1 30059 – 30061			
Swing Check Valve	150-900	Flange	21726 – 21734 25088 – 25090	1/2-24		
	150-900	Welding	21727-1 – 21734-1 25101 – 25103 30062			
Ball Valve (Top-Entry)	150-600	Welding	21746 – 21758	1/2,3/4, 1×3/4,1 1/2×1, 2×1 1/2,3×2, 4×3,6×4, 8×6,10×8, 12×10		
	900		21761,22512	2-12, 3×2,4×3, 6×4,8×6, 10×8,12×10		
	1500		21759,21760,30063	1/2,3/4, 1×3/4,1 1/2×1, 2×1 1/2, 3-12		
Ball Valve (Split-Body)	150-900	Flange	21762,21766,21770 22514 – 22522 25105 – 25108	1/2-24		

2. Compatibility with intended cargoes of ships is to be confirmed by the Society.
3. Materials and construction are to be in accordance with the Manufacture's drawings (DWG. Nos. are shown in the above table), which have been approved by the Society on 20 August 2004.
4. Production tests are required for each product, in the presence of our surveyor.
Especially, for the materials of Body & Bonnet, material tests are to be carried out.

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