

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	AMPO S.COOP
Address	Polígono Poyam, Guipúzcoa, Idiazábal, 20213, Spain
Type	Low Temperature Valves
Description	<p>Stainless steel cryogenic gate, globe & check valves and ball valves with top entry and split body type having a full or reduced bore</p> <p>TYPES AMPO-POYAM cryogenic valves Gate valves - 150 lbs to 1500 lbs Globe valves - 150 lbs to 900 lbs Check valves - 150 lbs to 900 lbs Ball valves top body - 150 lbs to 1500 lbs Ball valves split body - 150 lbs to 1500 lbs</p>
Trade Name	POYAM cryogenic valves
Application	For use in LNG/LPG carriers, marine, offshore applications and land based cold store installations
Specified Standard	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

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API600	BS1868	ANSI B16.10	API-6D	BS 6364
ANSI B16.25	BS 1414	ANSI B16.5	API 607	

Ratings Please refer to the enclosed APPENDIX

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 Gas carries, refrigerated cargo ships or cold/chill stores also requires to be:
 - 2.1 Installed to the satisfaction of the LR Surveyors and in accordance with the relevant Rules and Codes.
 - 2.2 Welding and welding procedures used for joining butt welded valves to fittings or lengths of pipe are to be demonstrated to the satisfaction of the attending surveyor prior to the commencement of work.

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.

Previous Version: 02/00026 (E4)

The Design Appraisal Document LR22351808TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Appendix

Valve Type	Pressure rating	Size range	Design Standard	Face to face dimensions	Fire tested
Cryogenic Gate Valves	150 to 1500 lbs	1/2" to 24" (DN 15 to 600 mm)	API 600 and BS1414	ANSI B16-10	N/A
Cryogenic Globe Valves	150 to 900 lbs	1/2" to 16" (DN 15 to 400 mm)	API 600 and BS1873	ANSI B16-10	N/A
Cryogenic check and swing check Valves	150 to 900 lbs	1/2" to 24" (DN 15 to 600 mm)	API 600 and BS1868	ANSI B16-10	N/A
Cryogenic ball Valves - Top Entry	150 to 1500 lbs	1/2" to 12" (DN 15 to 300 mm)	API 6D and BS5351	ANSI B16-10	API 607
Cryogenic ball Valves - split body	150 to 900 lbs	1/2" to 24" (DN 15 to 600 mm)	API 6D and BS5351	ANSI B16-10	API 607