

Cert. No. DNV_GL-2018-RGRC_FTC-001-A

Client : **EUROGUARCO S.p.A.**
Address : Via Terralba 9, Loc. Pietralba - 19021 Arcola (La Spezia) - Italy
Date of test : 27 July 2018

We hereby declare that,

at request of Messrs **EUROGUARCO S.p.A.** the undersigned GLIS Surveyor did attend at the their Plant located in Via Leonardo da Vinci 6 A/B - 26020 Ticengo (CR) - Italy on date 27 July 2018, for the purpose of witnessing the FIRE TEST on the following valve according to API 6FA Ed.2018.

***BALL VALVE SIDE ENTRY TRUNNION
2" Class 300lbs - Carbon Steel***

Enclosed is a sectional drawing of the valve under test complete with a list of materials :
Drawing / Figure N° : **2945-02-18-BA-001**

The following tests were carried out:

- 1-) The valve was subjected to full hydrostatic (water) and gas tests at ambient temperature with Satisfactory results.
Tests were in accordance with API 6D 24th Edition 2014.
- 2-) The valve was fire tested according to API 6FA Ed.2018.
- 3-) The valve was completely disassembled and all components were found in good conditions with exception of the Soft Seat and Soft Seals that were damaged.
- 4-) Herewith attached and duly endorsed the following documents :
Fire Test Report N° : **FS-2-300-02**
Drawing / Figure N° : **2945-02-18-BA-001**

CONCLUSION :

On the basis of test results the **BALL VALVE SIDE ENTRY TRUNNION 2" Class 300lbs - Carbon Steel** passed satisfactorily the fire safe test.

Inspector to Germanischer Lloyd
(printed/signature/stamp)
R. Mastantuono SERVICES
32-111

Cert. No. DNV_GL-2018-RGRC_FTC-002-A

Client : **EUROGUARCO S.p.A.**
Address : Via Terralba 9, Loc. Pietralba - 19021 Arcola (La Spezia) - Italy
Date of test : 27 July 2018

We hereby declare that,

at request of Messrs **EUROGUARCO S.p.A.** the undersigned GLIS Surveyor did attend at the their Plant located in Via Leonardo da Vinci 6 A/B - 26020 Ticengo (CR) - Italy on date 27 July 2018, for the purpose of witnessing the FIRE TEST on the following valve according to API 6FA Ed.2018.

***BALL VALVE SIDE ENTRY TRUNNION
16" Class 300lbs - Carbon Steel***

Enclosed is a sectional drawing of the valve under test complete with a list of materials :
Drawing / Figure N° : **2945-02-18-BA-002**

The following tests were carried out:

- 1-) The valve was subjected to full hydrostatic (water) and gas tests at ambient temperature with Satisfactory results.
Tests were in accordance with API 6D 24th Edition 2014.
- 2-) The valve was fire tested according to API 6FA Ed.2018.
- 3-) The valve was completely disassembled and all components were found in good conditions with exception of the Soft Seat and Soft Seals that were damaged.
- 4-) Herewith attached and duly endorsed the following documents :
Fire Test Report N° : **FS-16-300-03**
Drawing / Figure N° : **2945-02-18-BA-002**

CONCLUSION :

On the basis of test results the **BALL VALVE SIDE ENTRY TRUNNION 16" Class 300lbs - Carbon Steel** passed satisfactorily the fire safe test.

Inspector to Germanischer Lloyd
(printed signature stamp)
R. Mastantuono
32-111





Italia

Certificato IS-240262-56-14
03/12/2014

Scegli la certezza.
Aggiungi valore.

FIRE SAFE TEST CERTIFICATE

Valve Type: **SIDE ENTRY BALL VALVE 6" CLASS 600 FERRITIC MATERIAL**
To Drawing N° 721-12-11-BA-035 rev.0
Date: **26/09/2013**

CERTIFICATE NUMBER: IS-240262-56-14

CLIENT: EUROGUARCO S.p.A.
ADDRESS: VIA TERRALBA, loc. PIETRALBA
19021 ARCOLA (SP) - ITALY

REPORT NUMBER: N° 01/11/2014 721-12-11-BA-035

SCOPE OF REPORT: Fire Safe test carried out according to Client procedure
API SPECIFICATION 6FA Third Edition, April 1999
API STANDARD 607 Sixth Edition, September 2010
BS - UNI EN ISO 10497:2010

max bar: 75,3

max °C: 852



CERTIFICATION DATE

03/12/2014



Direzione e Sede Amministrativa:
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20099 Sesto San Giovanni (MI)
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Italia

FIRE SAFE TECHNICAL REPORT

FIRE SAFE CERTIFICATE N°: IS-240262-56-14

REPORT N°: N° 01/11/2014 721-12-11-BA-035

CLIENT: EUROGUARCO S.p.A.

ADDRESS: VIA TERRALBA, loc. PIETRALBA – 19021 ARCOLA (SP) - ITALY

QUALIFIED VALVE

<u>VALVE SIZE:</u>	6"
<u>VALVE RATING CLASS:</u>	600
<u>DRAWING N°:</u>	N. 721-12-11-BA-035 rev.0
<u>VALVE TYPE:</u>	SIDE ENTRY BALL VALVE 6" CLASS 600 FERRITIC MATERIAL
<u>MAX bar:</u>	<u>75,3</u>
<u>MAX °C:</u>	<u>852</u>

<u>RANGE AND TYPE OF</u>	NPS: 6; 8; 10; 12 (API 6D) 7 ^{1/16} ; 9; 11 (API 6A) - DN: 150; 200; 250; 300 (for API 6FA)
<u>VALVES COVERED:</u>	NPS: 6; 8; 10; 12 - DN: 150; 200; 250; 300 (ISO 10497 and API 607) CLASS: 600; 900 (API 6D) 2000; 3000 (API 6A) - PN 110; 150 (for API 6FA) CLASS: 600; 800; 900 - DN: 100; 150 (ISO 10497 and API 607)

THE ABOVE MENTIONED VALVE SUCCESSFULLY PASSED THE FIRE SAFE IN ACCORDANCE TO:

	API SPECIFICATION 6FA Third Edition, April 1999
	API STANDARD 607 Sixth Edition, September 2010
	BS - UNI EN ISO 10497:2010

NOTES:

<u>LOCATION AND DATE OF TEST CARRIED OUT:</u>	At CO.MA.IS. s.a.s - Via Marelli, 70 – 20043 Cerro Maggiore (MI) - 28/11/2014
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TÜV
INSPECTOR



Cert. No. DNV_GL-2017-RGRC_FTC-001-A

Client : **EUROGUARCO S.p.A.**
Address : Via Terralba 9, Loc. Pietralba - 19021 Arcola (La Spezia) - Italy
Date of test : 09 November 2017

We hereby declare that,

at request of Messrs **EUROGUARCO S.p.A.** the undersigned GLIS Surveyor did attend at the their Plant located in Via Leonardo da Vinci 6 A/B - 26020 Ticengo (CR) - Italy on date 09 November 2017 for the purpose of witnessing the FIRE TEST on the following valve according to API 6FA Ed.1999.

***BALL VALVE SIDE ENTRY TRUNNION
2" Class 600lbs - Carbon Steel***

Enclosed is a sectional drawing of the valve under test complete with a list of materials :
Drawing / Figure N° : **FS-2-600-01**

The following tests were carried out:

- 1-) The valve was subjected to full hydrostatic (water) and gas tests at ambient temperature with Satisfactory results.
Tests were in accordance with API 6D 24th Edition 2014.
- 2-) The valve was fire tested according to API 6FA Ed.1999.
- 3-) The valve was completely disassembled and all components were found in good conditions with exception of the Soft Seat and Soft Seals that were damaged.
- 4-) Herewith attached and duly endorsed the following documents :
Fire Test Report N° : **FS-2-600-01**
Drawing / Figure N° : **FS-2-600-01**

CONCLUSION :

On the basis of test results the **BALL VALVE SIDE ENTRY TRUNNION 2" Class 600lbs -Carbon Steel** passed satisfactorily the fire safe test.

Inspector to ~~Germanischer Lloyd~~
(printed/signature stamp)
R. Mastantuono SERVICES
32-111