

Project:

Client: **SFEROVA s.r.l.**

Office: **MILAN**

Clients Order Number: **fax**

Date: **03 December 2010**

Order Status: **Complete**

Inspection Dates

First: **24 November 2010**

Final: **30 November 2010**

This certificate is issued to **SFEROVA s.r.l.** to certify that at the undersigned Surveyor, did at their request attend to **Ms FAI Officine di Carvico works at Via Don Pedrinelli, 36, 24030 Carvico (Bergamo) for the purpose of witnessing Prototype tests for fugitive emission on the material listed below:**

MODEL TQT FLOATING ONE PIECE BODY END ENTRY BALL VALVE 1" class 1500
Performance class: TIGHTNESS BH, ENDURANCE CO1, TEMPERATURE RT, t200° C
Drawing No. OEN00810

Test apparatus, test procedures and test results, as described in test report no. 8.36-FET-001 rev. 0, endorsed by the undersigned. The test was found within the requirements of ISO 5208:2008 3rd Ed., ASME ANSI B 16.34:2009, ISO 15848-1 ed. 2006 and SFEROVA Procedure 5.21-FET-001 _00

The following tests have been carried out with satisfactory results:

Preliminary test at RT
Mechanical cycle test at RT
Torque measurement at RT
Static test at selected test temperature (+200° C)
Mechanical cycle test at selected test temperature (+200° C)
Torque measurement at selected test temperature (+200° C)
Intermediate static test at RT
Mechanical cycle test at RT
Torque measurement at RT
Static test at selected temperature (+200° C)
Mechanical cycle test at selected test temperature (+200° C)
Torque measurement at selected test temperature (+200° C)
Final test at RT
Visual post test examination

The Valve has passed the Fugitive Emission test.
gf



G. FLORIELLO
Surveyor to Lloyd's Register EMEA

A member of the Lloyd's Register Group

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Project:

Client: **SFEROVA s.r.l.**

Office: **MILAN**

Clients Order Number: **fax**

Date: **03 December 2010**

Order Status: **Complete**

Inspection Dates

First: **24 November 2010**

Final: **30 November 2010**

This certificate is issued to **SFEROVA s.r.l.** to certify that at the undersigned Surveyor, did at their request attend to **Ms FAI Officine di Carvico works at Via Don Pedrinelli, 36, 24030 Carvico (Bergamo) for the purpose of witnessing Prototype tests for fugitive emission on the material listed below:**

MODEL TQ2 FLOATING TWO PIECES BODY SIDE ENTRY BALL VALVE 3/4" class 2500
Performance class: **TIGHTNESS BH, ENDURANCE CO1, TEMPERATURE RT, t200° C**
Drawing No. **OBA19B00**

Test apparatus, test procedures and test results, as described in test report no. 8.36-FET-001 rev. 0, endorsed by the undersigned. The test was found within the requirements of ISO 5208:2008 3rd Ed., ASME ANSI B 16.34:2009, ISO 15848-1 ed. 2006 and SFEROVA Procedure 5.21-FET-001_00

The following tests have been carried out with satisfactory results:

Preliminary test at RT
Mechanical cycle test at RT
Torque measurement at RT
Static test at selected test temperature (+200° C)
Mechanical cycle test at selected test temperature (+200° C)
Torque measurement at selected test temperature (+200° C)
Intermediate static test at RT
Mechanical cycle test at RT
Torque measurement at RT
Static test at selected temperature (+200° C)
Mechanical cycle test at selected test temperature (+200° C)
Torque measurement at selected test temperature (+200° C)
Final test at RT
Visual post test examination

The Valve has passed the Fugitive Emission test.
gf



G. FLORIELLO
Surveyor to Lloyd's Register EMEA

A member of the Lloyd's Register Group

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Project:

Client: **SFEROVA s.r.l.**

Office: **MILAN**

Clients Order Number: **fax**

Date: **03 December 2010**

Order Status: **Complete**

Inspection Dates

First: **24 November 2010**

Final: **30 November 2010**

This certificate is issued to **SFEROVA s.r.l.** to certify that at the undersigned Surveyor, did at their request attend to **Ms FAI Officine di Carvico works at Via Don Pedrinelli, 36, 24030 Carvico (Bergamo) for the purpose of witnessing Prototype tests for fugitive emission on the material listed below:**

MODEL TM2 TRUNNION TWO PIECES BODY SIDE ENTRY BALL VALVE 2" class 2500
Performance class: TIGHTNESS BH, ENDURANCE CO1, TEMPERATURE RT, t200° C
Drawing No. OBRO2B00

Test apparatus, test procedures and test results, as described in test report no. 8.36-FET-001 rev. 0, endorsed by the undersigned. The test was found within the requirements of ISO 5208:2008 3rd Ed., ASME ANSI B 16.34:2009, ISO 15848-1 ed. 2006 and SFEROVA Procedure 5.21-FET-001 _00

The following tests have been carried out with satisfactory results:

Preliminary test at RT
Mechanical cycle test at RT
Torque measurement at RT
Static test at selected test temperature (+200° C)
Mechanical cycle test at selected test temperature (+200° C)
Torque measurement at selected test temperature (+200° C)
Intermediate static test at RT
Mechanical cycle test at RT
Torque measurement at RT
Static test at selected temperature (+200° C)
Mechanical cycle test at selected test temperature (+200° C)
Torque measurement at selected test temperature (+200° C)
Final test at RT
Visual post test examination

The Valve has passed the Fugitive Emission test.

gf



G. FLORIELLO
Surveyor to Lloyd's Register EMEA

A member of the Lloyd's Register Group

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Project:

Client: **SFEROVA s.r.l.**

Office: **MILAN**

Clients Order Number: **fax**

Date: **03 December 2010**

Order Status: **Complete**

Inspection Dates

First: **24 November 2010**

Final: **30 November 2010**

This certificate is issued to **SFEROVA s.r.l.** to certify that at the undersigned Surveyor, did at their request attend to **Ms FAI Officine di Carvico works at Via Don Pedrinelli, 36, 24030 Carvico (Bergamo) for the purpose of witnessing Prototype tests for fugitive emission on the material listed below:**

MODEL TM3 TRUNNION THREE PIECES BODY SIDE ENTRY BALL VALVE 3" class 1500
Performance class: **TIGHTNESS BH, ENDURANCE CO1, TEMPERATURE RT, t200° C**
Drawing No. **OBS03A00**

Test apparatus, test procedures and test results, as described in test report no. 8.36-FET-001 rev. 0, endorsed by the undersigned. The test was found within the requirements of ISO 5208:2008 3rd Ed., ASME ANSI B 16.34:2009, ISO 15848-1 ed. 2006 and SFEROVA Procedure 5.21-FET-001_00

The following tests have been carried out with satisfactory results:

Preliminary test at RT
Mechanical cycle test at RT
Torque measurement at RT
Static test at selected test temperature (+200° C)
Mechanical cycle test at selected test temperature (+200° C)
Torque measurement at selected test temperature (+200° C)
Intermediate static test at RT
Mechanical cycle test at RT
Torque measurement at RT
Static test at selected temperature (+200° C)
Mechanical cycle test at selected test temperature (+200° C)
Torque measurement at selected test temperature (+200° C)
Final test at RT
Visual post test examination

The Valve has passed the Fugitive Emission test.

gf



G. FLORIELLO
Surveyor to Lloyd's Register EMEA

A member of the Lloyd's Register Group

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.