

Certificate

**Certificate of Conformity with Fugitive Emission
Testing Acc. to EN ISO 15848-1:2015+2017Amd**

Certificate no.: **01 202 TWN/K-200199**

Name and address of the applicant / license holder : **A-T Controls, Inc.
9955 International Blvd. Cincinnati, OH 45246, USA**

We hereby certify that the results of Valve Stem Assembly Sealing System tests carried out under our witness on the industrial valve(s) below meeting the requirements in the standard mentioned above.

This certificate does not imply assessment of the product production. It reflects only our witness findings to tested valve described herein at the time and the place of test, and does not refer to any other matters. This certificate only includes the external leakage test to the stem assembly, excluding any valve body part or sealing leak rate measurement.

Detail valve technical data and manufacturer information refer to Appendix and Test Report.

Model/ Type identification **F9R**
Description of tested valve: **2", Class 300, Ball Valve**
Test Report No.: **T10902011**
Performance Class: **ISO FE BH—CO3—SSA0—t200°C—Class300—ISO 15848-1**

Name, Address of Manufacturer : **Terofox Valves Integrated Corp.
26F No.789 Zhongming S. Rd., South Dist., Taichung City
40255, Taiwan, R.O.C.**

Certificate valid until: **Feb. 21, 2030**

**TÜV Rheinland Taiwan Ltd.
Industrial Services**



Dr. Fuh-Wen Shiue

**Taipei/Taiwan,
2020/03/11**



Appendix to Certificate 01 202 TWN/K-200199

Construction & Test Data

Name and address of the applicant / license holder : **A-T Controls, Inc.**
9955 International Blvd. Cincinnati, OH 45246, USA

Name, Address of Manufacturer : **Terofox Valves Integrated Corp.**
26F No.789 Zhongming S. Rd., South Dist., Taichung City 40255, Taiwan, R.O.C.

Test Report No.: **T10902011**

Model :	F9R
Nominal Diameter / Nominal Pressure :	2" / Class 300
Type of Valve	Ball Valve
Stem Size/Stem Drawing:	19mm / 20191021-03; 2019.10.21
Body /Stem Seal Drawing:	20191017-04; 2019.10.17
Stem Sealing Material:	Graphite+MG1241
Body Sealing Material:	Seal 1: TFM1600; Seal 2: Graphite+SS316 S.W.
Assembly Drawing:	20200131-01; 2020.01.31
Test Gas:	Helium
Tightness Class:	BH; Leakage Rate $\leq 10^{-4}$ mg / (s*m)
Endurance Class:	CO3; 2,500 mechanical cycles
Temperature Class:	RT to 200°C

This products fulfills the requirement of specified setting of sealing gasket for stem performance and housing seal/packing of TA-Luft 02- Technical Instructions on Air Quality Control, Section 5.2.6.4 of 2002/7/24 in connection with VDI 2440, section 3.3.1.3.

The Valve Sealing System is in compliance with the above mentioned requirements. The test and the classification is based on a type approval and does not include the factory inspection.



Taipei/Taiwan,
2020/03/11

TÜV Rheinland Taiwan Ltd.
Industrial Services

Fuh-Wen Shiu
Dr. Fuh-Wen Shiu

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