



Industrie Service

Confirmation

As per acc. to TA-Luft/VDI 2440/ VDI 3479
 EN ISO 15848-1: 2015+A1:2017

Confirmation No.: 286244
 Ref. Test report No.: C22314W dated 2022-06-02

Manufacturer Name: ERIKS Flow Control.
Postal address: Cypresbaan 63, 2908 LT, Capelle aan den IJssel, The Netherlands

We hereby certify that the ball valve specified below and made by above company was tested and approved acc. To VDI 2440/ VDI 3479/ EN ISO 15848-1 with more stringent requirements regarding the leakage rate. The details are outlined in the pertinent test report
 It only reflects our witness findings to tested valve described herein and does not refer to any other matters.
 This confirmation only includes the external leakage test to the stem assembly and body seal.
 Detail valve technical data and manufacturer information refer to annex and test report.

Product description:
 Ball Valve: 72971, Nominal diameter: NPS 3/ Class 300

The product satisfies the following requirements:
 - Leakage test according to EN ISO 15848-1:2015+A1:2017
 - TA-Luft standard(measurement of leakage) as per VDI 2440/ VDI 3479

Service conditions:
 - Ball Valve, Nominal diameter: NPS 3/ Class 300
 - Tightness class: BH
 - Load cycles: 205/CO1
 - Temperature: RT~200°C
 - Visual verification of the required surface pressure set forth in the operating manual.
 - Specified structure of the seal assembly

Performance category:
 ISO FE BH-CO1-(RT to 200°C)-Class 300-ISO 15848-1

The product meets the requirements for leakage measurement defined in Section 5.2.6.4 of the TA-Luft standard.

The confirmation covers leakage measurement carried out on a stem seal as per VDI 2440/ VDI 3479 /ISO 15848-1 to verify tightness/ compliance with the specific leakage rate defined in the TA-Luft standard [$\Delta \leq 1 \cdot 10^{-4}$ mbar x l/(s x m); $\Delta p = 16$ bar depending on type]; and extended tests under the above operating conditions.

This confirmation will not be valid until ERIKS Flow Control has completed leak and material testing and prepared a manufacturer's certificate in accordance with EN 10204 3.1, including the exact type designation plus serial number.

Beijing/ Jun 06th, 2022

(Place, date)



LIU Binjiang
**TUV SUD Certification and Testing (China)
 Co., Ltd Beijing Branch**



Industrie Service

ANNEX: Data for Ball Valve 72971

Manufacturer Name: ERIKS Flow Control.
Postal address: Cypresbaan 63, 2908 LT, Capelle aan den IJssel, The Netherlands

Test Report: C22314W dated 2022-06-02

We hereby certify that the valve below has passed the fugitive emission test successfully according to Class BH of ISO 15848-1: 2015+A1:2017 for a total of 205 cycles.

Model of valve	Ball Valve: 72971
Tested Product No.:	C22314W
Nominal Diameter	NPS 3"
Type of Valve	3"-Class 300 LB
Stem	316
Stem or Shaft sealing	Graphite+Kalrez
Body	ASTM A351 CF8M
Body Sealing	316LSS+PTFE+Graphite
Valve Assembly Drawing no.	C40755 (KV-L62-A1-FE) Rev. B
Test Gas	Helium
Tightness Class	B: Leakage Rate $\leq 4.27 \times 10^{-5}$ mbar.l.s-1.mm-1
Endurance Class	CO1; 205 mechanical cycles
Temperature class	RT ~ 200°C

The test was verified by TÜV SÜD engineer according to requirements of **EN ISO 15848-1:2015+A1:2017** and found compliance with the above mentioned requirements. The test and the classification were based on a type approval and does not include the factory inspection.

The tested valve covers performance class (para.6.6):

ISO FE BH-CO1-t(RT to 200°C)-Class 300-ISO15848-1.

This qualification can be extended to untested sizes and classes of valves of the same type in accordance with paragraph 8 of EN ISO 15848-1:2015+A1:2017.

Stem sizes qualified: Ø24/ Half to twice (included) the tested valve diameter.

Pressure ranges qualified: Class 300/ the valve class or class designation is equal or lower

Beijing/P. R. China

Jun 06th, 2022

TUV SUD Certification and Testing (China) Co., Ltd.
Beijing Branch

(LIU Bingjiang)

