

# CERTIFICATE OF FUGITIVE EMISSION TEST



## (Attestation)

TÜV SÜD Korea Ltd. 29F, Two IFC, 10 Gukjegeumyung-ro, Yeongdeungpo-gu, Seoul, 07326, Korea

Choose certainty.  
Add value.

**Certificate No. :** TSK-IS-74961047-004

■ **Manufacturer Name / Address:** SAMWOO KJS TEC CO., LTD.

/ 328, Ungnam-ro, Seongsan-Gu, Changwon-Si, Gyeongsangnam-Do, Korea

**Place of Test:** SAMWOO KJS TEC SHOP

**Date of Test :** 14~17-Dec-2021

**Kind of Test :** Witness of Fugitive Emission Test

**Test Valve :** 4"-600# 1pcs, ASTM A216 WCB GLOBE Valve

Valve Type	Class	Size	Stem		Quantity	Body Seals	Packing Seals	Design Standard
			Type	Diameter (mm)				
Globe	600	4 inch (DN100)	Rising Rotating	32.0	1	Pillar 2601-EE0	Pillar 6710 + 6617	API 602

**Test Standard :** API Standard 624 First Edition, Feb., 2014

**Applicable drawing :** 21-0702-01 Rev.0

**Test Condition :**

Test Fluid	Ambient (Bar)	260°C (Bar)	Cycle	Number of thermal Cycles	Packing adjustment during type testing
Methane	41.4	41.4	310	3	None

**Extension of Qualification:** As per Para.10 of API 624

**Qualification range:** NPS 4 qualifies all smaller diameters and one diameter larger and one pressure class lower than the test valve.

### Conclusion

The undersigned, Inspector to TÜV SÜD, certifies that the above type meets the applicable requirements.

The details of the test condition and data are as per manufacturer's Test Report No. KSJ-API624-21-1217-2 which were verified and endorsed by TÜV SÜD Korea.

Note: "In accordance with Client's instructions, the Company's involvement has been limited to witnessing/observing a third party's intervention(s) at the third party's laboratory/test house or other facilities and installations used for the

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intervention(s). The Company's sole responsibility was to be present at the time of the third party's intervention(s) to forward the results, or confirm the occurrence, of the intervention(s). The Company is not responsible for the condition or calibration of apparatus, instruments and measuring devices used, the analysis methods applied the qualifications, actions or omissions of the third party's personnel or the analysis results.

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law."

This certificate is issued further to a test whose duration and scope were limited by the terms and conditions of the contract with TÜV SÜD Korea Ltd.. This certificate is NOT an indication that the item(s) is (are) fit for any specific purpose and does not release the manufacturer, supplier and any party from their respective duty. Guarantee, obligation and/or indemnity relating to, without limitation, patents, workmanship, materials, safety, performance in operation and/or reliability.

TÜV SÜD Korea Ltd.



Issued by SEOWOO

Business registration number in Korea:  
116-81-68264 (Head Office)

Cert. No.: TSK-IS-2017-EX-029C

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