

CERTIFICATE OF FUGITIVE EMISSION TEST

Manufacturer Name: P&K ENG CO., LTD.
 Address: 56-45, Buil-ro 815 beon-gil, Guro-gu, Seoul, Republic of Korea
 Test Location: 56-45, Buil-ro 815 beon-gil, Guro-gu, Seoul, Republic of Korea

Valve Description: ON-OFF BUTTERFLY VALVE (A216-WCB)

Class	Nominal Size(DN)	Stem		Q'ty	Body Seals	Shaft Seals (Gland Packing)	Test Report No.
		Type of Motion	Dia.				
600	200	Rotary (90°)	45mm	1	Not Applicable	Refer to * and **	FERP-200912-01

Test Condition :

Test Fluid	Tightness Class	Endurance Class	Cycle	Temperature Class	Performance Class
Helium	BH	CO3	2500	T400°C	ISO FE BH - CO3 - SSA3 - t400°C - CL600 - ISO 15848-1

Test Standard: ISO 15848-1(2015)
Extension of Qualification :

Valve Type	Class	Tightness class	Temperature Class	Stem		Shaft Seals (Gland Packing)
				Type of Motion	Diameter	
On-Off Butterfly	600 and lower	BH or less severe	RT to 400 °C	Rotary	22.5mm~90mm	Refer to * and **

* packing style to be identical to the tested valve.

** Packing Description

- Manufacturer : KOREA PILLAR PACKING CO., LTD. - Model : 6710(Pure Graphite & Inconel wire) + 6620(Pure Graphite Corrugated Foil)

THIS IS TO CERTIFY THAT the representative of ABSG Consulting, Inc., did, at the request of the manufacturer, attend at the test location in order to witness the Fugitive Emission Test on the On-Off Butterfly Valve described herein according to the requirements of ISO 15848-1 and the valve was satisfied within acceptance criteria of leakage through the test not exceed the minimum allowable leakage rate. Any change in valve stem sealing system design including, but not limited to, packing material, packing manufacturer, or packing type/model requires a requalification. If the location of the valve manufacturing facilities is different than what is listed on this certificate, the purchaser may request re-qualification.



SeYong Choi / Country Manager
 ABSG Consulting Inc., Korea