



INSPECTION CERTIFICATE N° 11050020-IC-01

BV Job Nr: 5.01.1771

PROJECT: N/A	Ref: N/A
BV Client: JEONGDO Machinery Co., Ltd.	P/o nr: N/A <i>(client to BV)</i>
Manufacturer: JEONGDO Machinery Co., Ltd.	P/o nr: N/A <i>(client to Manufacturer)</i>
Inspection requested by: JEONGDO Machinery Co., Ltd.	

SUPPLY / SUBJECT OF INSPECTION	ITEM / TAG Nr	QTY
Fire Test for Butterfly Valve	N/A	3 Sets

Scope of inspection:

➤ **Description of test valve:**

Valve Type	: Wafer Type Butterfly Valve
Valve Size	: 2"
Pressure Rating	: Class 150
Material	: Body - A216 WCB
	: Seat - RTFE/A240 Type 316
	: Disk - A351 CF8
	: Shaft - A564 Type 630
	: Inner ring - A240 Type 316
	: Packing - Graphite
	: Hex. socket screw - SS304

Valve Type	: Wafer Type Butterfly Valve
Valve Size	: 4"
Pressure Rating	: Class 150
Material	: Body - A216 WCB
	: Seat - RTFE/A240 Type 316
	: Disk - A351 CF8
	: Shaft - A564 Type 630
	: Inner ring - A240 Type 316
	: Packing - Graphite
	: Hex. socket screw - SS304

Valve Type	: Wafer Type Butterfly Valve
Valve Size	: 8"
Pressure Rating	: Class 150
Material	: Body - A216 WCB
	: Seat - RTFE/A240 Type 316
	: Disk - A351 CF8
	: Shaft - A564 Type 630
	: Inner ring - A240 Type 316
	: Packing - Graphite
	: Hex. socket screw - SS304



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➤ **Inspection activities:**

The fire type-tests for above butterfly valves have been performed and witnessed by Bureau Veritas Inspector in accordance with the requirements of API Standard 607. The test results were found to be satisfactory.

➤ **Reference documents used for inspection:**

API Standard 607 Seventh Edition, June 2016
Drawing No. JD-101-001-001 Rev.0, April 16, 2021

➤ **Place of inspection & date or period:**

Technical Center for High-Performance Valves, Dong-A University, Busan, Korea on July 19, 21 & 27, 2021

➤ **Qualified range of valves:**

Valve Sizes Qualified (NPS) : (2") – 2" and below, 2 1/2", 3", 4"
(4") – 4", 5", 6", 8"
(8") – 8" and larger

Valve Ratings Qualified (Class) : (#150) – #150, #300

Valve Materials Qualified : Ferritic
(Material of construction of pressure-retaining envelope)

➤ **Annexes to this certificate:**

Fire test report (No. TCHPV-21-152, 153, 154) : 39 Pages
Valve drawing (No. JD-101-001-001 Rev.0) : 1 Page

This certificate is issued according to API 607, 7th Edition, June 2016, based on the results of testing report on above mentioned test valves. The additional valve qualification shall be limited on the valves of same design and construction as the test valves according to Paragraph 7 of API Standard 607.

The undersigned, inspector to Bureau Veritas, certifies that the hereabove mentioned supply was inspected in conformity with the applicable requirements of the purchase order and the contractual requirements governing the mission entrusted to Bureau Veritas without any remarks.

Inspected by:

Name: Juhan JEONG

Signature:



Date of issue: August 10, 2021

Inspection centre: BV Korea

Distribution: CLIENT

MANUFACTURER