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[www.tssa.org](http://www.tssa.org)

November 13, 2017

ENRICO MARESCUTTI  
CGIS CG INDUSTRIAL SPECIALTIES LTD  
558 EAST KENT AVE S  
VANCOUVER BC V5X 4V6  
CA

**Service Request Type:** BPV-Fitting Registration

**Service Request No.:** 2158586

**Your Reference No.:**

**Registered to:** KPC CORPORATION

Dear ENRICO MARESCUTTI,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

**CRN No.:** 0C19801.5

**Main Design No.:** Wedge Seal Valve 3" -300# Titanium body ASTM B381-F2 (see the attachment to the Statutory Declaration Form for details)

**Expiry Date:** 13-Nov-2027

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Mark Valcic P. Eng.  
Engineer Specialist BPV  
Tel.: 416-734-3494  
Fax: 416-231-1626  
Email: [mvalcic@tssa.org](mailto:mvalcic@tssa.org)



**Boilers and Pressure Vessels Safety**  
 3300 Bloor Street West  
 14th Floor, Centre Tower  
 Toronto, Ontario  
 CANADA M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



**STATUTORY DECLARATION**  
 Registration of Fittings

I, JANG HONG AHN, President  
 (Name & Position, e.g. President, Plant Manager, Chief Engineer)  
 of KPC Corporation

(Name of Manufacturer)  
 Located at 8, Ansim-ro 59-gil, Dong-gu, Daegu, Korea TEL: 82-53-962-4839, FAX: 82-53-962-6383  
 (Plant Address) (Telephone Number) (Fax Number)

I do solemnly declare that the fittings listed hereunder, which are subject to the Technical Standards and Safety Act, 2000, and Regulations for Boilers and Pressure Vessels comply with all of the requirements of ASME B16.34  
 (Title of recognized North American Standard)  
 which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with \_\_\_\_\_ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008 which has been verified by the following authority, TUV Rheinland

~~\_\_\_\_\_~~ The items covered by this declaration, for which I seek registration, are category \_\_\_\_\_ type fittings. In support of this application, the following information and/or test data are attached as follows:  
 Valve catalogue, wall thickness calculations, pressure and temperature calculations and copies of the applicable standard (drawings, calculations, test reports, etc.)

JHA

Declared before me at Vancouver in the Province of BC  
 the 11<sup>th</sup> day of September AD 2017

Commissioner for Oaths: **CAROLYNNE R. MAGUIRE**  
 NOTARY PUBLIC

(Printed name) 8528 GRANVILLE STREET  
VANCOUVER, B.C. V6P 4Z7  
 TEL: (604) 266-8970

(Signature)

(Signature of Declarer)

**FOR OFFICE USE ONLY**

To the best of my knowledge and belief, the application meets the requirements of the Technical Standards and Safety Act, 2000, and Regulations for Boilers and Pressure Vessels and CSA Standard B51 and is accepted for registration. Category (C)

CRN Number Issued: 0C19801.5  
 Registered by: MARK VALCIC, P.ENG  
 Date Registered: Nov. 13, 2017  
 This registration expires on: Nov 13, 2027

Technical Standards and Safety Authority  
 Boilers and Pressure Vessels Safety Program

**REGISTERED**

C.R.N.: 0C19801.5

Signed: Mark Valcic

Date: Nov. 13, 2017

Document Name: TSSA Statutory Declaration Form, Jan 17, 2007 Rev. 1.10c

**NOTE: WEDGE SEAL VALVE 3"-300#**

**SEE THE ATTACHMENT FOR THE SCOPE OF REGISTRATION.**  
Mark Valcic  
Nov 13/17



**SCOPE OF CRN REGISTRATION**

| Product Description  | KPC Series | Design Code | Size Range | Body Class | End Connection (Note 3,4)                               | Material Specification                 | MAWP at Temperature (psig) (Note 1,2) | MDMT (F) (Note 5) |
|----------------------|------------|-------------|------------|------------|---|--|---------------------------------------|-------------------|
| Top Entry Ball Valve | Wedge Seal | ASME B31.3  | 3"         | 300        | ASME B16.5 CL.300<br>Flanged, Butt weld<br>Schedule 40S | Titanium ASTM<br>B381-F2 UNS<br>R50400 | 536 psig at 100F                      | -75               |
|                      |            |             |            |            |   |  | 467 psig at 200F                      | -75               |
|                      |            |             |            |            |   |  | 388 psig at 300F                      | -75               |
|                      |            |             |            |            |   |  | 331 psig at 400F                      | -75               |
|                      |            |             |            |            |   |  | 285 psig at 500F                      | -75               |

**Note 1:** In all cases the pressure-temperature ratings of the valves may be limited by the seat and seal materials. Consult literature.

**Note 2:** Linear interpolation is permitted for intermediate temperatures.

**Note 3:** In all cases the pressure-temperature ratings of a flanged valve are limited by the pressure-temperature ratings of the flange.

**Note 4:** Consult factory for valve ratings with butt weld end connections below ASME B16.10M schedule 40S.

**Note 5:** Products that are to operate at low temperatures shall conform to the rules of the applicable codes under which they are used.



*Wae*  
 NOV. 13/17