

July 30, 2013

**Attention:** Mr. CH LEE  
WISE CONTROL INC  
199 SANGGAL-DONG GIHEUNG-GU  
YONGIN-SIM  
GYEONGGI-DO,

The design submission, tracking number 2013-02496, originally received on April 12, 2013 was surveyed and accepted for registration as follows:

**CRN :** 0F13241.2

**Accepted on:** July 30, 2013

**Reg Type:** Addition to Acc. Fitting

**Expiry Date:** April 12, 2023

**Drawing No. :** SOR-TW-REV.0 DATED 14.02.2013 Rev 0

**Fitting type:** 1/2" TO 2" THERMOWELLS

**The registration is conditional on your compliance with the following notes:**

*This registration covers the thermowells listed in document SOR-TW-Rev.0.*

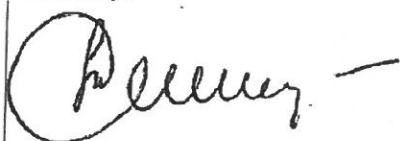
*The registration is given based on the understanding that the flanged type thermowells are completed with flanges of the same dimensions and materials as per the ASME B16.5 Standard.*

*This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form. This registration is valid only until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

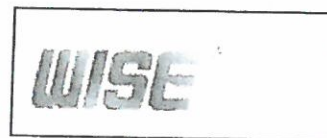
Sincerely,



ONSHCHENKO, TETYANA, P. Eng.



STATUTORY DECLARATION  
Registration of Fittings



I, Mr. Jong Soo Choi,

Director of Quality Control Department

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Wise Control Inc.

(name of manufacturer)

located at 199, Sanggal-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Korea

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act  
(check one)

☒ comply with the requirements of ASME B31.3-2010 which specifies the dimensions.  
(title of recognized North American Standard)

☐ materials of construction, pressure/temperature ratings and identification marking of the fittings, 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,  
materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings  
for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the  
following authority, KFQ as being suitable for the manufacture of these fittings to the  
stated standard. The fittings covered by this declaration, for which I seek registration, are Thermowells

In support of this application, the following information, calculations and/or test data are attached:

PRP-TW-Rev0; SOR-TW-Rev0

DECLARED before me at Yongin City in the Gyeonggi Province of Korea  
this 20th day of December 2013  
(Month) (Year)  
(print) Jeong-Hyun, Park  
(sign) [Signature]  
(A Commissioner for Oaths) Assistant Manager Applicant  
Jeong-Hyun, Park  
2013. JUL. 02

For Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard  
B51, Clause 4.2, and is accepted for registration in Category F

Registration Number: 0 F 13 2 4 1 . 2

Date Registered: JUL 30 2013

(For the Administrator/Chief Inspector of Alberta)

Expiry Date: April 12, 2023

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.



## SOR-TW-REV0 - Scope of Registration Summary

Page 1 of 1

WISE Control Inc.

199 Sanggal-Dong, Giheung-Gu, Yongin-Si, Gyeonggi-Do, 449-905, Republic of Korea

Product	Type	Sizes (in)	Flange	Design Pressure (psi)	Design Temp. (°F)	ASME B16.5 Flange Class and Material Group	Well (probe) Material	Flange Material
A600	Straight, no flange	1/2, 3/4, 1	---	3000 (at 100 °F), 1730 psi @ 800 °F [1]	-20 to 800	---	ASTM A240 S31603 (316L);[3];  ASTM B574 N10276 (Hastelloy C-276)	---
A630	Tapered, no flange	3/4						
A631	Stepped, no flange	1, 1-1/2						
A632	Stepped, no flange	1/2, 3/4, 1						
A610  A611  A612	Straight, flanged	¾", 1", 1¼", 2"	Threaded and welded per Thermowell drawing Type A	ASME B16.5 Flange Rating per Material Group and Flange Class	-20 to 800	Group 2.3 150#, 300#, 600#, 900#, 1500#	ASTM A240 S31603 (316L);[3];  ASTM B574 N10276 (Hastelloy C-276)	ASTM B575 N10276 (Hastelloy C-276) [2]
	Tapered, flanged	1½"				Group 2.3 600#		
	Stepped, flanged		1½", 2"			Group 2.3 300#, 600#, 900#, 1500#		ASTM B575 N10276 (Hastelloy C-276) [2]
		1½", 2"	Full penetration weld per Thermowell Drawing Type C			Group 2.3 300#, 600#, 900#, 1500#		ASTM A182 S31603 (F316L); ASTM A240 S31603 (316L) [3]
		1½", 2"				Group 2.3 300#, 600#, 900#, 1500#		

## NOTES

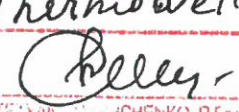
[1] Design pressure are per ASME B16.5 flanges for material group, even though those are not flanged units.

[2] For the sizes and construction shown, the flange is of Hastelloy material and Group 2.3 pressure rating.

[3] Type 316L A240 (A 276 S31603 per note (37) Table A-1 ASME B31.3-2010

[4] Note that flanges without probes are not in the scope of registration. All flange thermowells are welded to prevent dis-assembly.

Approved by: Jong Soo ChoiSigned: Date Approved: 14.02.2013

SAFE TY CODES ACT - PROVINCE OF ALBERTA	
REGISTRATION OF FITTINGS	
OF 13241.2	
REGISTRATION NO.	SOR-TW-Rev.0
DWG. NO. or CAT. NO.	1/2"-2" Thermowells
TYPE OF FITTINGS	
JUL 30 2013	INITIALS: 
Date	FEYAN CHENKO, P.Eng.
	REGISTERED ENGINEER