

April 06, 2018

Attention: Joanna Karpinski
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

Email: JKarpinski@tssa.org

The design submission, tracking number 2018-01286, originally received on February 27, 2018 was surveyed and accepted for registration as follows:

CRN : 0F12718.52

Accepted on: April 06, 2018

Reg Type: RENEWAL

Expiry Date: February 09, 2028

Drawing No. : CRN SCOPE As Noted

Fitting type: THERMOWELLS

Design registered in the name of : PYROMATION INC

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

TSSA Service Request No.: 2247940

The scope of this registration is the renewal of CRN 0F12718.52 which was originally accepted under tracking number 2008-09019 and includes the thermowells identified in CRN Scope.

This registration also includes material additions as per "Summary of Material Changes" and dimension changes as per "Summary of Dimensional Changes".

This submission has been reviewed and accepted based on the following understandings:

- The pressure-temperature ratings are as per the tables in the following documents:
Customer #0111, Project #0002, Type SAR, Serial 0001 thru 0005, Revision 00, Issue Date January 2018.*
- Design notes 1 thru 9 in the submitted drawings are mandatory and fulfilled.*

The pressure-temperature rating for flanged and van stone thermowells shall be the lower of:

- a) The shank rating specified in the provided documents, and*
- b) The flange rating specified in ASME B16.5 tables.*

Upon assembly of a thermowell to pressure equipment (welded, bolted, or fastened connection), an appropriate hydrostatic/pneumatic pressure test shall be performed in accordance with the applicable code of construction. Threaded and flanged thermowells may be tested separately. This requirement must be conveyed to the end user.

Pyromation Inc. shall provide the end user with documentation on the applications, proper use, and limitations of the thermowells in regards to pressure-temperature ratings, suitability for prolonged exposure to elevated temperatures and its effects (if applicable).

This registration includes the following drawings:

- W050002, W050102, and W050402 Rev A.*
- W050202 Rev B.*
- W050302, W050502, and W050602 Rev C.*
- W050003, W050103, W050203, and W050403 Rev D.*

April 06, 2018

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

As indicated on the AB-41 Statutory Declaration form and submitted documentation the code of construction is ASME B31.3.

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.

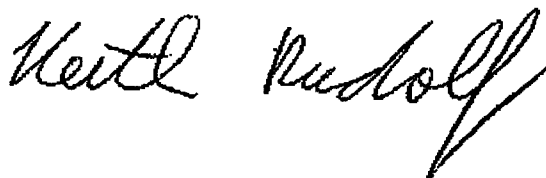
This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this 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.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3344 or fax (780) 437-7787 or e-mail Rudolf@absa.ca.

Sincerely,



RUDOLF, KEITH, P. Eng.
DOP Cert. No. D00008862