

REGISTRATION OF A PRESSURE FITTING DESIGN

August 1, 2024

TSSA
345 Carlingview Dr.
Toronto, ON
Canada
M9W 6N9

Attention: Cecylia Garbacz

File Number: 101289

Re: Manufacturer: Endress+Hauser Optical Analysis Inc
Item: JT33 Analyzer System
Catalog or Drawing: Per Scope of CRN Registration (20-Mar-24) & Design Report R-2007 Rev. 0

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OH23982.23

Expiry Date: 2034-04-04

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,



Athan Syrgiannis, P.Eng.

Codes and Standards Compliance

Remarks:

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Dr. Florian Krogmann
Vice President of Technology
(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.

of: Endress+Hauser Optical Analysis, Inc.
(name of manufacturer)



located at: 11027 Arrow Route, Rancho Cucamonga, CA, 91730, USA
(Plant Address – Apt/Street) (City,Prov) (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety Act** (check one)

- Comply with the requirements of ASME B31.3, B31.1 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 manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, DQS Inc. ISO 9001:2015 as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CATEGORY H - JT33 ANALYZER SYSTEM

In support of this application, the following information, calculations and / or test data are attached:
SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS

II. Declaration

DECLARED before me at _____ In the _____ of _____
this _____ day of _____,
(print name) (Signature)
See Attached Notary Certificate
(Signature of Commissioner of Oaths)

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category _____



**Technical
Safety Authority
of Saskatchewan**

Registration No. 0H23982.23
File No. 101289

Date: August 1, 2024
Expiry Date: April 4, 2034
Codes & Standards Compliance Office

(Date Registered – MM DD YYYY) (Expire Date – MM DD YYYY)
(For the Administrator / Chief Inspector)

CALIFORNIA JURAT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

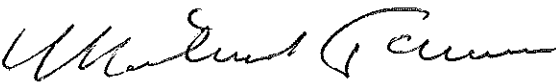
COUNTY OF San Bernardino)

Subscribed and sworn to (or affirmed) before me on this 14th day of March, 2024
Date Month Year

by Florian Krogmann

Name of Signers

proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

Signature: 
Signature of Notary Public



Seal
Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent attachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Statutory Declaration (Registration of Fittings)

Document Date: 03/14/24

Number of Pages: 1

Signer(s) Other Than Named Above: _____



SCOPE OF CRN REGISTRATION

Product Description	Drawing Number(s)	Design Code	Tube Sizes	Tubing Material Specification	MAWP at MAWT	MDMT	Report Number
JT33 Analyzer System	8300002044 Rev.A	ASME B31.3, ASME B31.1	1/8", 1/4"	ASTM A213 TP316L, ASTM A249 TP316L, ASTM A269 TP316L, ASTM A270 TP316L	6.89 barg at 60°C / 100 psig at 140°F	-20°C / -4°F	R-2007 Rev. 0

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

Note 2: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 3: Per CSA Table 1 Note (2)(B) the total volume of any configured panel assembly shall not exceed 1.5 cubic feet in volume.

Note 4: Low pressure components limited to operating pressure <= 103 kPa are not included in the Scope of the Registration.

