Vantaa

May 11, 2017

### Canadian registration numbers (CRN) for K-Patents Process Refractometers PR-23/33/43-AC, PR-23/43-AP

### Scope of registration:

# a) Refractometers PR-23/33/43-AC

- <u>Model:</u> Refractometers PR-23-AC, PR-33-AC, PR-43-AC with H25-P15 sensor head, Sanitary Clamp PR-9201, Installation Ferrule PR-9205
- Design pressure: 0...15 bar (0...218 psi)
- Design temperature: -40...+130°C (-40...+266°F)
- Material specification: AISI316L, AISI304

# b) Refractometers PR-23/43-AP

- Model: Refractometers PR-23-AP, PR-43-AP with sensor heads H25-P15-L170, H25-P15-L140, H25-P15-L42, H25-P15-L14, Sanitary Clamp PR-9201, Installation Ferrule PR-9205
- Design pressure: 0...15 bar (0...218 psi)
- Design temperature: -40...+150°C (-40...+302°F)
- Material specification: AISI316L, AISI304

## Registration numbers:

0F19024.5	Ontario
0F19024.51	British Columbia
0F19024.52	Alberta
0F19024.54	Manitoba
0F19024.50	Newfoundland & Labrador
CSA-0F19024.56	Quebec (by CSA)
CSA-0F19024.56	Saskatchewan (by CSA)
0F19024.57	New Brunswick
0F19024.58	Nova Scotia
0F19024.59	Prince Edward Island
0F19024.5Y	Yukon
0F19024.5T	Northwest Territories
0F19024.5N	Nunavut

The CRN registration marking **0F19024.5C** shall be attached on the products to be delivered to Canada.

Veikko Kähkönen Approvals Engineer



345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel.: 416 734 3300 Fax: 416 231 1626 Toll Free: 1 877 682 8772

www.tssa.org

December 19, 2016

VEIKKO KAHKONEN K-PATENTS OY ELANNONTIE 5 VANTAA 01510

Service Request Type: BPV-Fitting Registration

Service Request No.: 1989402

Your Reference No.:

Registered to: K-PATENTS OY

Dear VEIKKO KAHKONEN,

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

CRN: 0F19024.5

Main Design No.: DIM412, 510 REV D, 3041 REV E, 2487 REV A, 3960 REV

A, MTG-265/F, DIM413, 1219 REV A, MTG-442, DIM3937, MTG-3936,

DIM3957,MTG-3958,DIM3966,MTG-3969

Expiry Date: 19-Dec-2026

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

See 1 sheet of attachment to the Statutory Declaration for scope and registration notes.

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail 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,

Kaivan Kia P. Eng., PMP Mechanical Engineer, BPV

Tel.: 416-734-3457 Fax: 416-231-6183 Email: <u>kkia@tssa.org</u>

Putting Public Safety First III



#### TECHNICAL STANDARDS & SAFETY AUTHORITY

14th Floor, Centre Tower 3300 Bloor Street West 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			
Arto Hämäläinen, Director Production & Supply Chain			
(Name and Position, e.g. President, Plant Manager, Chief Engineer)			
of K-Patents Oy			
(Name of Manufacturer)		*	
Located at	358 207 291 570	+358 207 291 577	
(Plant Address) (7)  do solemnly declare that the fittings listed hereunder, which are subject to the <b>Te</b> and Pressure Vessels Regulation, comply with all of the requirements of	elephone No.) chnical Standards a	(Fax No.)  and Safety Act, Boilers	
which specifies the dimensions, materials of construction, pressure/temperature ratings,  or are not covered by the provisions of a recognized North American standard ar specifications as supported by the attached data which ide pressure/temperature ratings and the basis for such ratings, the marking of the fittings.	nd are therefore manu ntifies the dimensions	ufactured to comply with , material of construction,	
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, DNV GL Business Assurance Finland Oy Ab			
The items covered by this declaration, for which I seek registration, are category this application, the following information and/or test data are attached as follows:  Dwgs: DIM-3041,510,412,2487,3960,413,1219,3937,3957,3966; MTG-265,442,3936	F t	ype fittings. In support of	
(drawings, calculations, test reports, etc.) by	Inspecta Tar	kastus Oy	
Declared before me at House in the Local Register Officer Ousing United Soft and Maistraatti Local Register Office of Using United Soft and Maistraatti Local Register Office of Using AD 20 Local R			
Constant Application of the Co	(Signature of Dec	ciarer)	
FOR OFFICE USE ONLY  To the best of my knowledge and belief, the application meets the requirements of the  Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and  CSA Standard B51 and is accepted for registration in Category	Stondarda and Enlary Authority	Pressur, Vest In Safety Program	
CRN: 07-19024.5	REGI	STERED	
Registered by:	CRN: OF	190245	
Dee 19/16	Signed:	19/16	
NOTE: This registration expires on Dec 19/2026	Date:L.K.		
PV 09553 (06/04) See 1 Sheet of attachment	F3 C 3	Tope 12/10/16	

November 30, 2016

Re: CRN Application for K-Patents Process Refractometers PR-23/33/43-AC, PR-23/43-AP

#### **SCOPE OF REGISTRATION**

- a) Refractometers PR-23/33/43-AC
  - Model: Refractometers PR-23-AC, PR-33-AC, PR-43-AC with H25-P15 sensor head, Sanitary Clamp PR-9201, Installation Ferrule PR-9205
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- Design temperature: -40...+150°C (-40...+302°F)
- Material specification: AISI316L, AISI304

#### c) Applicable specifications

- Refractometer, Clamp, Ferruse. 2011-1-- Samtany clamp CRNI OH9128, SR3, DX 12/19/16

/eikkó Kähkönen

Approvals Engineer

tecanical Standards & Safety Authority