

December 31, 2018

Canadian registration numbers (CRN) for K-Patents refractometers PR-23-GP, PR-23-SD, PR-23-W

Scope of registration:

Sensor model: PR-23-GP
MAWP: 149 Psig @ 302 °F (150°C)
Design temperature: -40°F - 302°F (-40°C - 150°C)
Material: AISI316L, Alloy 20 or Hastelloy C276

Sensor model: PR-23-SD
MAWP: 257 psig @ 356°F (180°C)
Material: SAF2205

Sensor model: PR-23-W
MAWP: 135 psig @ 302°F (150°C)
Material: AISI316L with PTFE lining

Registration numbers:

0F12610.5R2	Ontario
0F12610.51	British Columbia
0F12610.52	Alberta
0F12610.54	Manitoba
0F12610.50R2	Newfoundland & Labrador
CSA-0F12610.56R2	Quebec (by CSA)
CSA-0F12610.56R2	Saskatchewan (by CSA)
0F12610.57R2	New Brunswick
0F12610.58R2	Nova Scotia
0F12610.59R2	Prince Edward Island
0F12610.5YR2	Yukon
0F12610.5TR2	Northwest Territories
0F12610.5NR2	Nunavut

The registration number **0F12610.5C** shall be attached to the sensors to be delivered to Canada.



Veikko Kähkönen
Approvals Engineer



Ontario

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel : 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

July 23, 2018

VEIKKO KAHKONEN
K-PATENTS OY
ELANNONTIE 5
VANTAA 01510
FI

Service Request Type: BPV-Fitting Registration
Service Request No.: 2325610
Your Reference No.: PR-23-GP, PR-23-SD, PR-23-W
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: 0F12610.5R2
Main Design No.: DIM421, MTG 434/D, DIM462, DIM450
Expiry Date: 23-Jul-2028

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

**See one sheet of attachment to Statutory Declaration for Scope of registration.
Material Alloy 20 (UNS N08020) and Hastelloy C276 (UNS N10276) and 316L.**

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
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Putting Public Safety First

Re: Renewal of CRN Registrations for K-Patents Process Refractometers PR-23-GP, PR-23-SD, PR-23-W

SCOPE OF REGISTRATION

a) Refractometer PR-23-GP

- Sensor model: PR-23-GP
- MAWP: 149 psig @ 302 °F (150°C)
- Design temperature: -40°F...+302°F (-40°C...+150°C)
- Material specification: AISI316L, Alloy 20 or Hastelloy C276

b) Refractometer PR-23-SD

- Sensor model: PR-23-SD
- MAWP: 257 psig @ 356 °F
- Design temperature: -4°F...+356°F (-20°C...+180°C)
- Material specification: SAF2205

c) Refractometer PR-23-W

- Sensor model: PR-23-W
- MAWP: 135 psig @ 302 °F
- Design temperature: -4°F...+302°F (-20°C...+150°C)
- Material specification: AISI316L with PTFE lining

d) Applicable specifications

- Refractometer: ASME BPVC Sec. VIII Div.1 Ed. 2015

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Veikko Kähkönen
Approvals Engineer

