Canada's Nuclear Regulator
L'organisme de réglementation nucléaire du Canada

Certificate

for
Radiation Device

Certificate Number	Date of Issue	Date of Expiry
R-094-0159-1-2032	March 02, 2017	February 28, 2032

The radiation device identified below is certified by the Canadian Nuclear Safety Commission pursuant to paragraph 21(1)(h) of the *Nuclear Safety and Control Act* and section 12 of the *Nuclear Substances and Radiation Devices Regulations*.

Manufacturer: Endress & Hauser GmbH + Co.

Make and Model: Endress & Hauser QG 2000

Prev. Mfr. Name:

Device Type: FIXED GAUGE

Description: The radiation device consists of a stainless steel cylindrical source housing with tapered ends. The radiation source is installed in the front tip of the source carrier bar which moves axially at the centre of the lead-filled housing. The radiation is emitted via a channel with an emission angle from 3 to 120 degrees in a plane perpendicular to the longitudinal axis of the device. The source is moved from the shielded to the exposed position by moving the source carrier bar which extends outside the housing at one end. The source carrier bar can be locked in the on and off (shielded) position.

The approximate dimensions of the device are 320 mm wide, by 635 mm long, by 450 mm high. The nominal weight of the device is 350 kg.

For further information see the Summary Evaluation (CNSC Document No. 5198259). Reference CNSC Application No. 51212.

The radiation device may contain any of the following nuclear substances in a quantity not exceeding the corresponding quantity indicated:

Nuclear Substance	Maximum Quantity
Cobalt 60	74 GBq
Cesium 137	1850 GBq

Designated Officer pursuant to paragraph 37(2)(a) of the *Nuclear Safety and Control Act*