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

Certificate

for
Radiation Device

Certificate Number	Date of Issue	Date of Expiry
R-094-0160-0-2031	August 25, 2016	August 31, 2031

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. KG

Make and Model: Endress+Hauser FQG66

Prev. Mfr. Name:

Device Type: FIXED GAUGE

Description: The FQG66 device is used for level, density, or concentration measurement of a material in a process vessel. The radiation device is intended to be mounted outside of a process vessel, with a detector mounted on the opposite side of the vessel.

The radiation device consists of a source housing, containing a source holder rod. The source housing is a steel cylinder filled with lead. The device is operated to an ON/OFF position manually or pneumatically by moving the source holder rod into a position which exposes the source to an opening in the shielding.

The dimensions of the FQG66 model are width 335 mm x length 780 mm x height 456 mm and weighs 435 kg for the manual version, and width 390 mm x length 833 mm x height 456 mm and weighs 435 kg for the pneumatic version.

Refer to the Summary Evaluation for additional information. (CNSC Document Number 5053611). Reference CNSC Application No. 50437.

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	185 GBq
Cesium 137	740 GBq

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