



## Cobalt 60 (Co-60)

### Main Application

Level gauges – Gamma Radiography

### Description

Simple or double stainless steel capsule containing Co-60.

### Specifications

- Source: high nickel-plated cobalt
- Capsule: welded stainless steel (AISI 316L)
- Half-life: 5.27 years

### Delivery Time

- Level gauges: 4 weeks
- Gammagraphy: on request

### Source Disposal

For each source purchased, Agiris™ will provide disposal of one source as per the price list.

### Radiation Energies in MeV

Gamma	Beta
1.17 (100%)	0.138 (100%)
1.33 (100%)	1.491 (0.1%)

Air Kerma Rate at 1 meter:  
11.4 mGy/h for 37 GBq  
(exposure rate at 1 meter:  
1.3 R/h for 1 Ci)

### Maximum Focal Spot Size

	Active Diameter	Active Height	Equivalent Activity
Level Gauges	3.0 mm	3.0 mm	185 GBq (5 Ci)
Gamma Radiography	on request	on request	from 185 to 3700 GBq (3 to 100 Ci)

### Co-60 Capsules

Type	Material	Authorized Activity	ISO Code	AFNOR Code	Certificate Material Special Form
G1	Stainless Steel AISI 316L	1850 GBq (50 Ci)	C64545	C64545ic*	B/014/S-96
G3	Stainless Steel AISI 316L	2960 GBq (80 Ci)	C64545	C64545ic*	B/015/S-96
G4	Stainless Steel AISI 316L	3700 GBq (100 Ci)	C64445	C64445ic*	B/013/S-96
G6	Stainless Steel AISI 316L	1850 GBq (50 Ci)	C64445	C64445ic*	B/012/S-96
G8	Stainless Steel AISI 316L	1850 GBq (50 Ci)	C64445	C64445ic*	B/010/S-96
G10	Stainless Steel AISI 316L	1850 GBq (50 Ci)	C64445	C64445ic*	B/018/S-96
G21	Stainless Steel AISI 316L	1850 GBq (50 Ci)	C64545	C64545ic*	B/020/S-96

\*i: fire tests up to 1200°C – c: corrosion tests



[www.agiris-ndt.com](http://www.agiris-ndt.com)

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