

Sealed Iridium-192 and Cobalt-60 gamma sources with holders

The sources are used in gamma-based medical therapy units of contact irradiation

Sources Specifications

Source Type	Overall dimensions, mm						Nominal EDR at 1 m distance, A/kg	Equivalent activity, Bq (Ci)
	Source		Source with holder		Active core			
	D ₁	L ₁	D	L*	d*	l*		
GI192M11.1.411	1,1±0,05	5±0,1	1,1±0,05	1000-2200	0,6 ^{-0,05}	3,5±0,1	297,48•10 ⁻⁹	3,7•10 ¹¹ (10)
GI192M11.2.411	0,9±0,05	5±0,5	0,9±0,05				297,48•10 ⁻⁹	3,7•10 ¹¹ (10)
GI192M11.3.F910	1,1±0,05	2,7±0,3	1,1±0,05			1,0±0,1	74,46•10 ⁻⁹	9,25•10 ¹⁰ (2,5)
GI192M11.4.910	0,9±0,05		0,9±0,05				74,46•10 ⁻⁹	9,25•10 ¹⁰ (2,5)
GI192M12.211	1,0 ^{+0,1}	5 ^{+0,1} _{-0,5}	1,0 ^{+0,1}	1000-2200	0,5±0,1	3,5±0,1	142,93•10 ⁻⁹	1,8•10 ¹¹ (5)
GI192M12.411							303,68•10 ⁻⁹	3,7•10 ¹¹ (10)
GI192M13.411							303,68•10 ⁻⁹	3,7•10 ¹¹ (10)
GK60M21.110	1,0 ^{+0,1}	5 ^{+0,1} _{-0,5}	1,0 ^{+0,1}	1000-2200	0,5±0,1	3,5±0,1	24,09•10 ⁻⁹	1,1•10 ¹⁰ (0,3)
GK60M21.111							241,19•10 ⁻⁹	1,1•10 ¹¹ (3)
GK60M21.410							82,20•10 ⁻⁹	3,7•10 ¹⁰ (1)
GK60M22.111							241,19•10 ⁻⁹	1,1•10 ¹¹ (3)
GK60M22.210							42,85•10 ⁻⁹	1,9•10 ¹⁰ (0,5)
GK60M22.410							82,20•10 ⁻⁹	3,7•10 ¹⁰ (1)
GK60M23.710 (Co0.A86**)							164,40•10 ⁻⁹	7,4•10 ¹⁰ (2)
GK60M24							0,9±0,1	4,3±0,1

Special notes:

1. To meet the Customer requirements, it is allowed to produce sources with other power rates of air kerma (activity).
2. The allowable deviation of the activity rated value shall be ± 25%.
3. The equivalent activity is a rated value.
- 4.* Dimensions of the active core and the length of the source with holder shall be considered for reference only. The length of the holder and that of the source with holder may vary depending on operating unit design and Customer requirements.
- 5.** For export purposes only.

The sources meet the requirements of the Standard GOST P 50629-93 'Special Form Radioactive Material'.

GOST 25926-90 (ISO 2919) and GOST R 52241 classification: C(E) 65444.

Projected service life of the sources – 5 years.