



Technical specification for the polysteribox®:

The polysteribox has been developed as system for the sterilization of instruments to meet the requirements of the standards DIN 58952, DIN 58953, DIN EN ISO 11607, EN 868-1 and EN 868-8 for sterile containers. It is therefore suitable:

- for autoclave vacuum sterilisation at 121°C or up to 134°C with a pre-vacuum sterilization of at least 4 minutes
- for plasma sterilisation (STEARRAD®)
- as well as for gas sterilization (formaldehyde and ethylene oxide) at a maximum of 65°C

Further it functions as a reusable sterilisation-, transport- and storage container with a shelf life of 5 years. The construction principle of body and lid provides an effective built-in germ and bacteria barrier (loop of Henle).

The container consists of

- 1 lid
- 1 bottom part
- 2 sledges (filter support)
- 2-4 closures
- 2 filters
- 2 date stamps

Material:

- High temperature, transparent, mixture between polyetherimide and polyphenylsulfone blend with improved ductility and enhanced hydro-stability
- For medical devices and pharmaceutical applications, food contact compliant, ETO and steam sterilisable
- Thickness: 2,5 mm
- Maximum temperature: 150°C
- Tensile stress at yield: 7-7.2% (ASTM D 638)
- Tensile stress at break: 60-120% (ASTM D 638)
- Izod impact notched, 23°C: 58.73-70 J/m (ASTM D 256)

Dimensions: The 4 sizes of the polysteribox are suitable to the STE-dimensions:

Size SH (41109-0000 & 41109-0001)

Outside:	Length:	208mm (+/- 0,8)
	Width:	111mm (+/- 0,5)
	Height:	55mm (+/- 0,2)
Inside:	Length:	177mm (+/- 0,8)
	Width:	76mm (+/- 0,5)
	Height:	44mm (+/- 0,2)

Size M (41106-0000 & 41106-0001)

Outside:	Length:	185mm (+/- 0,8)
	Width:	145mm (+/- 0,5)
	Height:	59mm (+/- 0,2)
Inside:	Length:	156mm (+/- 0,8)
	Width:	124mm (+/- 0,5)
	Height:	48mm (+/- 0,2)

Size L (41107-0000 & 41107-0001)

Outside:	Length:	290mm (+/- 0,8)
	Width:	184mm (+/- 0,5)
	Height:	74mm (+/- 0,2)
Inside:	Length:	261mm (+/- 0,8)
	Width:	163mm (+/- 0,5)
	Height:	64mm (+/- 0,2)

Size XL (41111-0000 & 41111-0001)

Outside:	Length:	497mm (+/- 0,8)
	Width:	122mm (+/- 0,5)
	Height:	65mm (+/- 0,2)
Inside:	Length:	465mm (+/- 0,8)
	Width:	90mm (+/- 0,5)
	Height:	54mm (+/- 0,2)

- sledge (code 41202-0000): length = 25,5 mm +/- 0,1 mm, width = 31,3mm +/- 0,3mm
- closure (code 41101-0000): length = 62,25 mm +/- 0,1 mm, inside length = 27,8mm +/- 0,05mm
- slider red (code 41103-0000): length = 27,75 mm +/- 0,04 mm

Marking: CE- marking

Branding: polysteribox® on the right top corner

For correct use of the polysteribox-Container it has to be applied in line with the most up to date user manual.