

Laser protection window, filter - 0223, dimensions 100 x 200 mm, thickness 2,8 mm

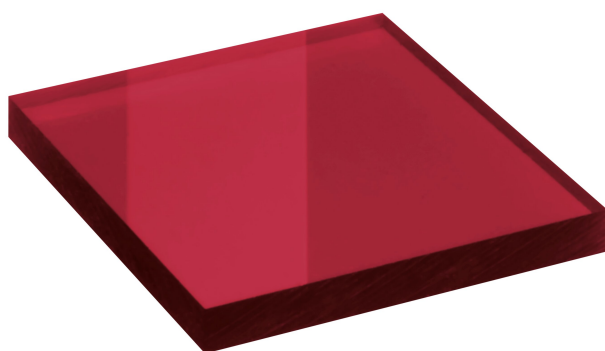
Product information:

Item no.: 100-K0223-100x200

Application: Excimer (193 nm) UV (248 nm) Nd:YAG 4x (266 nm) Nd:YAG 3x (355 nm) Diode (450 nm) Blue light laser (450 – 480 nm) Argon (515 nm) Nd:YAG 2x (532 nm) ,
VLT (Visible light transmission): 4.4 %

Filter color: red

Filter material: special plastic



Laser protection window made of special red plastic suitable for Excimer (193 nm), UV (248 nm), Nd:YAG 4x (266 nm), Nd:YAG 3x (355 nm), Diode (450 nm), Blue light (450 - 480 nm), Argon (515 nm) and Nd:YAG 2x (532 nm) lasers

Qualified protection levels according to EN 12254

Wavelengths	Protection levels
• 180-315	D AB8 + IR AB3 (OD10+)
• >315-370	DIR AB5 (OD10+)
• >370-425	DIR AB5 (OD6+)
• >425-435	DIR AB5 (OD7+)
• >435-450	DIR AB5 (OD8+)
• >450-545	DIR AB5 (OD10+)
• >545-555	DIR AB5 (OD8+)
• >555-560	DIR AB5 (OD7+)
• >560-570	DIR AB5 (OD5+)
• >570-576	DIR AB4 (OD4+)
• >576-583	DIR AB3 (OD3+)
• >583-593	DIR AB2 (OD2+)
• >593-605	DIR AB1 (OD1+)
	PF CE

Specified protection according to EN 60825-4 (power densities):

Wavelength [nm]	Test class	Max. resistance time $t_{\max}$ [s]	Power density [kW/m ²]
315 – 560	T2	110	40

Properties:

Laser protection windows enable your employees to safely observe the processes in a laser system. Regardless of whether you want to integrate the laser protection windows in machine enclosures or in movable walls, we offer you the right, tested protection for your laser system, for your laser equipment and for your laser application. Depending on the desired protection level or window size, you can choose between windows made of glass or plastic. In addition to a variety of standard sizes, custom cuts are also possible thanks to our in-house production.

The **0223 laser protection filter** is particularly suitable as laser protection for powerful **Excimer (193 nm), UV (248 nm), Nd:YAG 4x (266 nm), Nd:YAG 3x (355 nm), Diode (450 nm), Blue light (450 - 480 nm), Argon (515 nm)** and **Nd:YAG 2x (532 nm) lasers**. However, other lasers are also covered by the filter. The laser safety filter is made of a special red plastic and has a daylight transmission of approx. 4.4% at low thickness. The laser safety filter is **qualified** according to the regulations of **EN 12254**.

- dimensions 100 x 200 mm
- also available in the standard size **210 x 297** mm and maximal size **610 x 915** mm
- other customized sizes available on request
- suitable **window frames** available on request



For a perfect and safe cleaning of this filter we recommend this **cleaning spray**.

