

Medical Instrumentation

SafeNotch™

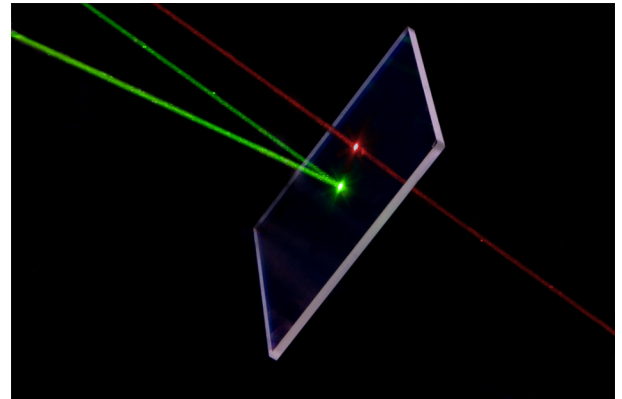
Medical Laser Protection Filter

SafeNotch™ is Artemis Optical's range of Medical Laser Protection Filters

Offering exemplary levels of laser protection and colour consistency, the SafeNotch™ range offers a customised design service to meet your individual requirements.

SafeNotch™ users find each filter identical eliminating the need for pair matching. This therefore, saves the OEM precious production time and gives the surgeon a much higher level of familiarity when they use a new set.

SafeNotch™ filters are already being used by Artemis' customers as a unique selling point for their systems. The performance and value for money that SafeNotch™ products offer, is ensuring that Artemis is the preferred supplier for Medical Laser Protection Filters.



Application

The **SafeNotch™** range was developed to provide surgeons with complete safety to operate and a better view of their patients, due to the filters clarity and colour neutrality.

SafeNotch™ Clear

Offers a cost effective solution without compromising safety.

SafeNotch™ Bright

Provides a clearer, more neutral image.

SafeNotch™ Ultra

Delivers higher durability, protection from higher powered lasers.

Typical Performance

Notches	Single, double, multiple
Wavelength	350- μ m- 3 μ m
OD	5+ FWHM (Full Width Half Maximum) <20nm
Angular ranges	Capability to design for varying ranges to your specification
IVPT	- Colour balanced IVPT ~55% (SafeNotch™!Bright) - Unbalanced ~75% (SafeNotch™!Clear)
Consistency	Better than 0.25% from batch to batch
Colour Neutrality	- Unbalanced H~15% Clear - Colour balanced < 5% Bright/Ultra

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Durability Spec

Conforms to MIL-C-48497A.

Adhesion	paragraph 4531.
Humidity	paragraph 4532.
Severe Abrasion	paragraph 4551.
Solubility/Cleanability	paragraph 4542.

Coating Spectral performance will shift <1nm should a change in humidity occur from 1 - 99%.

Please email Anna.winterton@artemis-optical.co.uk should you require details of the MIL-C-48497A Specification.



Artemis Optical & Our Facilities

Headed by the team of five Directors, Artemis, a world renowned company employs in excess of 50 talented staff, with an unbeatable history of more than 50 years in the design and application of its high precision, technically differentiated optical coatings.

Our customer portfolio includes blue chip original equipment manufacturers in the defence, aerospace, security, photonic surgery and medical and analytical instrumentation markets.

Our state of the art facilities are located at Langage Science Park in Plymouth the South West of England. Our factory includes a 22,000 square foot bespoke, environmentally controlled coating room, housing a range of modern coating chambers, to include APS, APS Pro, Sputtering and thermal evaporation coating technologies.

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Special features of Artemis SafeNotch™

- High levels of consistency from batch to batch.
- Identical products every time.
- Saves OEM's and surgeons precious time.
- Developed to varying levels to meet individual customer specifications.
- Exceptional value for money.
- Excel in comparison to others offered to the industry.
- 3 price/performance entry points.
- Used by our customers as a unique selling point for their systems.