See all 10 Products in Family

3.0 OD 12.5mm Diameter VUV ND Filter

Stock **#20-139** **2 In Stock**

- 1 + **€506**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**€506,00** each
Qty 6-25	**€455,00** each
Qty 26-49	**€432,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Neutral Density Filter

Physical & Mechanical Properties

Diameter (mm):

12.50

Thickness (mm):

2.00 ±0.10

Clear Aperture (%):
80.00

Parallelism (arcsec):
1

Optical Properties

Optical Density OD (Average):
3.0 +0.22/-0.23

Substrate:
UV Grade MgF_2

Coating:
Metallic Based ND, with Dielectric Over-Coat

Surface Quality:
40-20

Transmission (%):
0.10

Blocking Wavelength Range (nm):
120 - 200

Transmitted Wavefront, P-V:
λ/4

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

REACH 241:
Compliant

Product Details

- Consistent Transmission from 120-200nm
- Optical Densities Ranging from 0.3 to 3.0
- Ideal for Raman Spectroscopy and Excimer Lasers

VUV Neutral Density (ND) Filters are used to attenuate light in the Vacuum UV (VUV) range of 120-200nm and are coated on Magnesium Fluoride (MgF_2) substrates to deliver consistent transmission within that range. Metallic films, over-coated with a dielectric protective layer, ensure a high-quality filter coating for reliable performance. These filters are calibrated at strong spectral lines over the range of 120-200nm, making them suitable for applications utilizing the Lyman-alpha 121.6nm line and molecular hydrogen emission band at 157.8 and 160.8nm. VUV Neutral Density (ND) Filters are ideal for a range of spectroscopic and Excimer laser-based applications.

Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our **Optics Cleaning Resources** for step-by-step guides and best practices. For personalized assistance, **Email us** or **Chat** with our technical support team.

Component Handling Tools

;