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# 1.0 OD 25mm Diameter VUV ND Filter



Stock **#20-136** 14 In Stock

-

1

+

C\$826<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$826.00 each                |
| Qty 6-25       | C\$743.40 each                |
| Qty 26-49      | C\$705.60 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                 |
|----------------------------------|-----------------|
| Neutral Density Filter           | Type:           |
| Physical & Mechanical Properties |                 |
| 25.00                            | Diameter (mm):  |
| 3.00 ±0.10                       | Thickness (mm): |

|       |                       |
|-------|-----------------------|
| 80.00 | Clear Aperture (%):   |
| 1     | Parallelism (arcsec): |

| Optical Properties                           |                                 |
|----------------------------------------------|---------------------------------|
| 1.0 +0.09/-0.08                              | Optical Density OD (Average):   |
| UV Grade MgF <sub>2</sub>                    | Substrate: <input type="text"/> |
| Metallic Based ND, with Dielectric Over-Coat | Coating:                        |
| 40-20                                        | Surface Quality:                |
| 10.00                                        | Transmission (%):               |
| 120 - 200                                    | Blocking Wavelength Range (nm): |
| λ/4                                          | Transmitted Wavefront, P-V:     |

| Regulatory Compliance |                             |
|-----------------------|-----------------------------|
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | REACH 241:                  |

## 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<sub>2</sub>) 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