

≡ The release date of this product is December 2016 ≡

# Vacuum iris diaphragm holder | VIH

**NEW** **RoHS** **Catalog Code** W4152

**Stainless steel iris diaphragm holder can change its aperture size. Uses for optical axis alignment of the laser beam and blocking the return light or stray light.**

- These can be used for UV laser optical system and in the clean room.
- By sliding the adjustment lever, 12 diaphragm blades can be controlled and aperture will have a shape similar to a circular shape. By turning the adjustment lever, the aperture diameter can be fixed.
- The scale for aperture diameter is in the front of the holder.
- Screw hole grooving and vent hole processing are applied to prevent the out-gas emits when forming vacuum.



## Guide

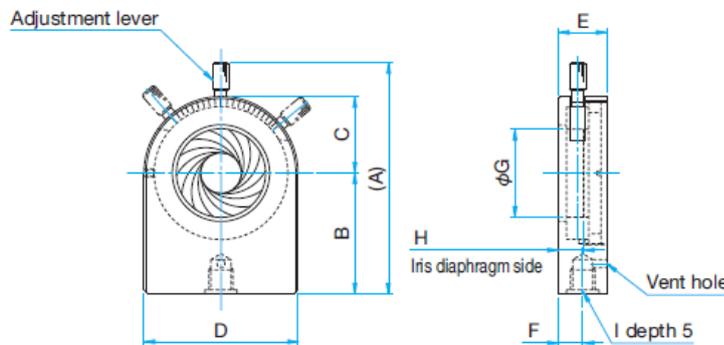
- ▶ We deliver the item with specialized vacuum packaging to keep its high clean state from the factory to the destination.
- ▶ We provide vacuum pedestal bases (VPST) and posts (VRO).  
[▶ WEB Reference](#) **Catalog Code** W6108、[▶ WEB Reference](#) **Catalog Code** W6107

## Attention

- ▶ Diaphragm blades of vacuum iris diaphragm holder acts like mirror because of no black anodized. Therefore if laser beam is irradiated, a part of incident light will reflect and return to the optical path.
- ▶ The iris diaphragm is a very delicate mechanism. Pushing or pulling the blades cause malfunction and it cannot be recovered.
- ▶ Heat from high power lasers may deform the blades and cause them to seize.
- ▶ Please open the package in the clean environment. Please do not touch it by your bare hands.

## Outline Drawing

### VIH-15/22/36



| Part Number | A    | B  | C  | D  | E  | F   | G  | H   | I  |
|-------------|------|----|----|----|----|-----|----|-----|----|
| VIH-15      | 43   | 20 | 15 | 30 | 10 | 5   | 15 | 5.2 | M4 |
| VIH-22      | 57.5 | 30 | 19 | 38 | 12 | 5   | 22 | 6.2 | M6 |
| VIH-36      | 75   | 35 | 30 | 60 | 12 | 6.4 | 36 | 6.9 | M6 |

| Specifications |          | Aperture Diameter |  | Weight |
|----------------|----------|-------------------|--|--------|
| Part Number    | MAX [mm] | MIN [mm]          |  | [kg]   |
| VIH-15         | φ15      | φ0.9              |  | 0.06   |
| VIH-22         | φ22      | φ0.9              |  | 0.10   |
| VIH-36         | φ36      | φ1.3              |  | 0.15   |

Primary material: Steel  
Finish: None



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