

VistaShield Faraday Cage



VistaShield Description

The VistaShield Faraday Cage provides effective shielding from environmental electronic noise allowing for high quality electrochemical measurements even at very low currents. VistaShield's powder coated type 304 stainless steel construction is designed to stand up to the a wide variety of laboratory environments. A conductive coated glass window allows experimenters to visually inspect the cell during experimentation without breaking the shielding.

Access is provided by two 2.5 cm (1 in) side holes with swing covers and four 1.25 cm (0.5 in) holes on the back. Inside the Vistashield is a ring stand bar, ground lug, and anchor points on the back wall to aid with experimental setup and cell stability with the various connections necessary for many electrochemical experiments.

Typical setup for electrochemistry would involve cell cables entering via one or both side holes. Purge/blanket gas would be fed in through one or two back holes. Feed/return lines for temperature controled [water] would also go through the back holes.

Specifications

Dimensions

Size width x depth x height (appx. external)
34.3 x 31.75 x 44.5 cm
13.5 x 12.5 x 17.5 in

Largest non covered opening 1.25 cm, 0.5 in

Access

2x 32 mm dia (1.25 in) covered openings on side (close to 12 mm/0.5 in dia)
4x 12 mm dia (0.5 in) openings on rear

Ring Stand Bar

Length 30.5 cm, 12 in
Material Aluminum

Window

Material glass (5.6 ± 0.5 mm thick)
Coating one side only, transparent/conductive (20-40 Ω)

Chemical Compatibility

Non-Wetted Materials stainless steel, aluminum, glass, powder coating

Parts List

Quantity	Description	Quantity	Description
1	VistaShield, Faraday Cage		

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All specifications subject to change without notice.



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