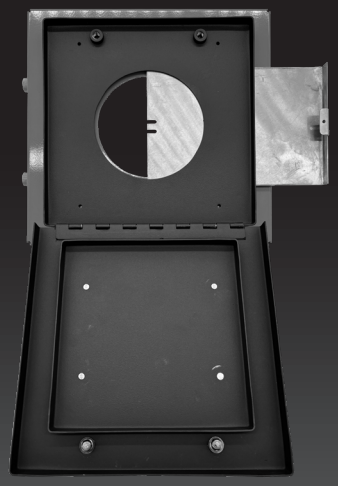
# IRISS CAP-HT-100-P Series

High Temperature Gold Cup Inspection Windows

## Overview

The CAP-HT-100-P Gold Cup Inspection Windows are precision-engineered for extremely high-temperature applications, withstanding surface temperatures up to 1832°F (1000°C). These windows are especially suitable for furnace-related environments. The window is designed for high temperatures and is compatible with Gold Cup Pyrometers, allowing accurate temperature monitoring. The design ensures equipment stays enclosed during the inspection and prevents potential exposure to high temperatures, reinforcing the safety of maintenance personnel and the equipment in which the windows are fitted.



## Key Features

### Extreme High-Temperature Applications

Engineered for extremely high-temperature applications, withstanding surface temperatures up to 1832°F (1000°C).

### Durable and Rugged

Constructed with a 100% stainless steel high temperature powder coated body and sapphire crystal optic.

### Closed Furnace / Oven Inspections

Designed to prioritizes and ensure equipment stays enclosed during the inspection to prevent exposure to high temperatures.

### Extreme Temperature Optic

Our exclusive saphire optic system enables personnel to perform safe and accurate visual, SWIR, MWIR and UV inspections.

### American Made, Globally Trusted

100% conceived, designed, and built on American soil , embodying the innovation, and quality, of American manufacturing.

### Limited Lifetime Warranty

The IRISS limited lifetime warranty provides unparraled protection against manufacturer defects.

## Specifications

| Model | CAP-HT-100-P |
|---|---|
| **General Specifications** | |
| Overall Height | 21.33 cm (8.399 in) |
| Overall Width | 21.11 cm (8.312 in) |
| Operating Temperature | Surface Temperature -40°C (-40°F) to 1832°F (1000°C) |
| Body Material | High Temperature Powder Coated 316 Stainless Steel |
| Gasket Material | Novamica 200 |
| Hardware Material | 316 Stainless Steel |
| **Optic Specifications** | |
| Viewing Aperture Diameter | 10.2 cm (4.0 in) Ø |
| Optic Material | Port Hole |
| **Inspection Capabilities and Applications** | |
| Shortwave IR; Midwave IR; Ultraviolet (UV); Visual Inspection; High Temperature Applications; Gold Cup Inspection; | |
| **Other** | |
| Warranty | Limited Lifetime Warranty |

*Caution: These dimensions are not installation dimensions. Do NOT cut prior to receiving your IRISS IR window and installation template.

Specifications are subject to change without notice. For the most up-to-date specs, go to www.iriss.com

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