Pressurized Housings

The Aigis Pressurized Housing Series can accommodate a wide range of camera and lens combinations by offering multiple housing diameters. All housings are pressurizable using standard Schrader valves and over-pressure relief valves. The housing series is designed to meet IP68 and NEMA-6P standards. A Military Standard connector is used at the rear of the housings to handle cable entry into the units. Optional accessories include sunshields, mounts, tamper switches, and pressure sensors.

### Model Information

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Internal Enclosure Diameter</th>
<th>Input Voltage</th>
<th>Internal Transformer</th>
<th>Standard Connector Size*</th>
<th>Contact Wire Gauge**</th>
<th>Nominal Power***</th>
<th>Housing Construction</th>
<th>Sunshield</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS9383S-P</td>
<td>3.5-inch</td>
<td>Any</td>
<td>n/a</td>
<td>14-19</td>
<td>20-24 AWG</td>
<td>n/a</td>
<td>Stainless Steel</td>
<td>Optional</td>
</tr>
<tr>
<td>HS9383S-2HP</td>
<td>3.5-inch</td>
<td>24 VAC± 10%</td>
<td>n/a</td>
<td>14-19</td>
<td>20-24 AWG</td>
<td>10W</td>
<td>Stainless Steel</td>
<td>Optional</td>
</tr>
<tr>
<td>HS9383S-6HP</td>
<td>3.5-inch</td>
<td>115 VAC± 10%</td>
<td>24 VAC</td>
<td>14-19</td>
<td>20-24 AWG</td>
<td>10W</td>
<td>Stainless Steel</td>
<td>Optional</td>
</tr>
<tr>
<td>HS9384-2HP</td>
<td>3.5-inch</td>
<td>24 VAC± 10%</td>
<td>n/a</td>
<td>20-16</td>
<td>16-20 AWG</td>
<td>10W</td>
<td>Aluminum</td>
<td>Optional</td>
</tr>
<tr>
<td>HS9384-6HP</td>
<td>3.5-inch</td>
<td>115 VAC± 10%</td>
<td>24 VAC</td>
<td>20-16</td>
<td>16-20 AWG</td>
<td>10W</td>
<td>Aluminum</td>
<td>Optional</td>
</tr>
<tr>
<td>HS9392-2HP</td>
<td>4.5-inch</td>
<td>24 VAC ±10%</td>
<td>n/a</td>
<td>20-16</td>
<td>16-20 AWG</td>
<td>50W</td>
<td>Aluminum</td>
<td>Standard</td>
</tr>
<tr>
<td>HS9392-6HP</td>
<td>4.5-inch</td>
<td>115 VAC± 10%</td>
<td>n/a</td>
<td>20-16</td>
<td>16-20 AWG</td>
<td>50W</td>
<td>Aluminum</td>
<td>Standard</td>
</tr>
<tr>
<td>HS9396-2HP</td>
<td>7.5-inch</td>
<td>24 VAC± 10%</td>
<td>n/a</td>
<td>20-16</td>
<td>16-20 AWG</td>
<td>50W</td>
<td>Aluminum</td>
<td>Standard</td>
</tr>
<tr>
<td>HS9396-6HP</td>
<td>7.5-inch</td>
<td>115 VAC± 10%</td>
<td>n/a</td>
<td>20-16</td>
<td>16-20 AWG</td>
<td>50W</td>
<td>Aluminum</td>
<td>Standard</td>
</tr>
</tbody>
</table>

* Numbers listed before and after the dash are ‘connector shell size’ and ‘number of contacts’ respectively. Connector used is MIL-C-26482 type connector. Ships with mating connector and crimp pins. Additional sizes and pin arrangements available on request.

** Max operating AC voltage at sea level: 1,000 VAC (16-pin connectors, Service rating II) and 600VAC (19-pin connectors, Service rating I)

*** Wattage listed indicates heater requirement only; does not include camera, lens or other accessories.

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**Custom Options**

**TS:** Tamper Switch opens or closes a contact when camera cradle is removed from enclosure.

**PS:** Pressure Sensor to alert user to a predetermined change in pressure level.

**EH:** Extended Heater Range

**IP:** Network Wiring Configuration includes pre-wired internal RJ-45 to accommodate Cat5e/Cat6 cable.
**Specifications Stainless Steel HS9383S Pressurized**

**Construction:** 304 Grade Stainless Steel. External cable connector cover threaded for 1-inch conduit connection.

**Window:** 0.118 in (3 mm) thick glass, thermostatically-controlled heater/defogger (Polycarbonate window optional)

**Camera Mounting:** Removable cradle assembly with hole pattern for mounting camera/lens assembly. Cradle may be rotated through 360°.

**Weights:** Non-transformer housing without mount 7.3 lb (3.3 kg) Transformer housing without mount 8.5 lb (3.9 kg)

**Dimensions:** See Dimensional Outlines.

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**Environmental**

**Temperature:** (heater versions)

At external ambient temperatures of -40°F to 122°F (-40°C to 50°C), maintains internal temperatures between -4°F to 131°F (-20°C to 55°C).

**Salt Atmosphere:** Designed to meet or exceed, MIL-STD-810E, Method 509, Procedure I.

**Enclosure Protection:** Designed to meet IP68 & NEMA-6P.

**Safety:** Designed to meet UL2044

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**HS9383S Dimensional Outline**

**HS9383S Rear Cap Options - Cable Entry**

**Pressurization Rear Cap**

1-19 Pin Stainless Steel Connector

2- Rear cap with Connector cover installed.

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**MT9215SS L-Mount Option**

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**Enclosure Dimensions** | HS9383S-P | HS9383S-2HP | HS9383S-5HP | HS9383S-6HP
---|---|---|---|---
A | Length | 11.82 in / 300.2 mm | 14.82 in / 376.4 mm |
E | Length With Connector | 14.72 in / 373.9 mm | 17.72 in / 450.1 mm |
**Mount Dimensions** | MT9208SS | MT9212SS |
B | Mount Height | 8.06 in / 204.7 mm | 12.06 in / 306.3 mm |
C | Overall Mounted Height | 13.85 in / 351.8 mm | 17.85 in / 453.3 mm |
D | Overall Height to center of entry | 11.97 in / 304 mm | 15.97 in / 405.6 mm |
Specifications Aluminum HS9384 Pressurized

Construction:
Extruded aluminum cylinder, aluminum rear-end cap, aluminum front cap with glass faceplate, and aluminum cradle.

Window:
0.118 in (3 mm) thick glass. Includes thermostatically-controlled window heater/defogger.

Housing Mounting:
Three (3) 1/4-20 tapped holes.

Camera Mounting:
Removable cradle assembly with hole pattern for mounting camera/lens assembly. Cradle may be rotated through 360°.

Finish:
Light gray powder coat.

Dimensions:
See Dimensional Outlines.

Weights:
Non-Transformer: 4.4 lb (2.0 kg).
Transformer: 5.7 lb (2.6 kg).

Environmental

Temperature: (heater versions)
At external ambient temperatures of -40°F to 122°F (-40°C to 50°C), maintains internal temperatures between -4°F to 131°F (-20°C to 55°C).

Salt Atmosphere: Designed to meet or exceed, MIL-STD-810E, Method 509, Procedure I.

Enclosure Protection: Designed to meet IP68 & NEMA-6P.

Electromagnetic Compatibility

EMC Requirements:
Immunity: 89/336/EEC, EN50082-1.
Emission: 89/336/EEC, EN50081-1 Class B.

Safety:
UL: UL2044.
cUL: CSA 22.2, No.1.

Recommended Mounts & Accessories

<table>
<thead>
<tr>
<th>HS9384</th>
<th>MT9212 - Wall mount, 12-inch</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MT9210 - Column mount, 8-inch</td>
</tr>
<tr>
<td></td>
<td>MT9223 - Column mount, 24-inch</td>
</tr>
<tr>
<td>HS9384SS</td>
<td>Sunshield</td>
</tr>
</tbody>
</table>
**Specifications Aluminum HS9392 & HS9396 Pressurized**

**Mechanical**

**Construction:** Extruded aluminum cover, fabricated aluminum frame, strengthened glass window.

**Window:**
- **HS9392:** 0.12-inch (3mm) strengthened glass, optical quality x 3.8-inch diameter (96mm).
- **HS9396:** 0.16-inch (4mm) strengthened glass, optical quality x 4.8-inch diameter (122mm).

**Housing Mounting:** Three 0.28-inch diameter (6.4mm) clearance holes in base.

**Camera Mounting:** Slotted internal rail assembly which may be rotated through 360°. All camera/lens mounting hardware is provided.

**Finish:** Light gray powder coat.

**Dimensions:** See Dimensional Outlines.

**Weight:**
- **HS9392** - Housing 6.2 lbs (2.8 kg)
  
  Sunshield 3.2 lbs (1.5 kg)
- **HS9396** - Housing 8.2 lbs (3.7kg)
  
  Sunshield 4.0 lbs (1.8 kg)

**Environmental**

**ITSA Transportation Test:** Designed to meet ITSA requirements

**Salt Atmosphere:** MIL-STD-810E, Method 509, Procedure I.

**Enclosure Protection:** Designed to NEMA-6P, IP68

**Safety:** CE: Designed to comply with EN60065 UL/cUL: Designed to comply with CCTV Appliance Code UL2044

**Temperature:** At external ambient temperatures of -22°F to 122°F (-30°C to 50°C), maintains internal temperatures between -4°F to 131°F (-20°C to 55°C).

**Recommended Mounts** - Other options available see the Heavy Duty Mount Datasheet.
- MT9234 Wall Mount - Heavy Duty 16-inch wall bracket with adjustable head bracket.
- MT9235 Wall Mount - Heavy Duty 22-inch wall bracket with extra large adjustable head bracket.

**HS9392 Dimensional Outlines**

**HS9396 Dimensional Outlines**