

# Aerada™ 1000 Series Gooseneck Faucets with Infrared Control

Models S53-306, S53-307, S53-308, S53-309

- Reliable Infrared Activation – Adjusts to Installation Environment
- Adjustable Operating Modes
- Vandal Resistant
- Centershank or Optional 4" Centerset Mounting
- 4 "AA" Alkaline Battery Operation (Batteries Included)
- 6-Volt Plug-in Transformer Available (Not Included)

## Specifications

### User Operation

The faucet activates water flow only when the user's hands enter a broad infrared detection zone within the lavatory bowl perimeter. The sensor's range can be set at several distances to accommodate unique applications. The installer can also adjust the time delay settings to serve various operating modes. The faucet turns itself off after hands are removed from the lavatory bowl area, allowing users to dry hands or groom without wasting water.

### Component Operation

The Aerada™ 1000 Series Gooseneck controls water flow by using an electronically powered sensor module to open and close the solenoid valve. The 1000 Series faucets can be powered by either 4 "AA" alkaline batteries (included) or an optional 6-volt transformer (not included).

Upon installation, the sensor automatically determines the desired detection area in the lavatory bowl. When the hands enter the detection area, the sensor starts water flow by electronically opening the solenoid valve. When hands leave the detection area, the sensor stops water flow by closing the valve.

The incoming water supply can be tempered or cold. An optional Bradley Vernatherm™ Thermostatic Mixing Valve can be utilized to mix hot and cold supplies and deliver tempered water at a temperature no greater than 105°F.

## Standard Equipment

### Infrared Sensor

The sensor module uses a zone-focused infrared transmitting beam, creating a detection area not exceeding the bowl perimeter. The sensor is not affected by varying skin tones and automatically adjusts to the installation environment. The sensor range can be manually adjusted to accommodate special applications. The faucet is field configurable to metering, water saving and time delay modes, ideal for unique applications.

### Valve

The electronically activated solenoid valve provides reliable performance since there are few moving parts and its operation is unaffected by most chemicals and minerals found in municipal water supplies. The valve is attached to the shank located beneath the lavatory deck.

### Flow Control/Rate

Operating range 20-80 PSI. The vandal resistant aerator produces a .5 GPM flow rate. A 1.6 GPM laminar flow insert is



included along with a plain spray ring, ideal for hospital settings. An optional 2.2 GPM aerator insert is included.

### Faucet Body

Chrome-plated, forged brass spout base. Centershank or 4" centerset mounting is available.

### Sanitary

No-touch operation reduces water/soap splatter and addresses the public's increasing awareness and concern about communicable diseases.

### Vandal Resistant

There are no surface-mounted controls to tempt vandals. The circuit board and range adjustment control are housed in a water-resistant operation box assembly below the deck. The sensor will automatically shut off water flow after 45 seconds (in factory preset mode) if a vandal attempts constant operation.

## Code Compliance and Certifications

### CSA

The 1000 Series Gooseneck faucets are certified to meet CSA B125 test standards for plumbing fixtures. The faucets are CSA approved in Canada and the United States.

### ASME A112.18.1

The 1000 Series Gooseneck faucets are certified to meet the ASME A112.18.1 standard, which addresses plumbing fixture fittings.

### ADA Compliance

The infrared sensor produces a broad detection zone that allows disabled users to easily activate the faucet from either a front or side approach, thereby meeting ADA guidelines provided by ANSI A117-1.



**Bradley**

P.O. Box 309, Menomonee Falls, WI 53052-0309  
Phone 1-800-BRADLEY FAX 262-251-5817  
<http://www.bradleycorp.com>

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## Models S53-306, S53-307, S53-308, S53-309

### Check Your Surroundings

Certain factors, such as intense direct sunlight, other infrared devices, or other site conditions may interfere with the activation of infrared faucets. Contact your local Bradley representative to discuss any application concerns.

### Sample Specification

No-touch infrared faucet shall be (S53-308) Bradley Aerada™ 1000 Series Gooseneck IR Faucet with 6-volt plug-in adapter (not included). Programmable base range allows the installer to determine the desired detection area in the lavatory bowl. The faucet will also be field configurable to metering, water saving and time delay modes. The infrared electronic sensor module will automatically trigger the valve. The circuit board and range adjustment control shall be housed in a water-resistant operation box. The faucet shall include a chrome plated, forged brass body with centershank mounting. Faucet shall be certified to CSA standards for both the United States and Canada.

### MODELS – Faucets with Trim Plate

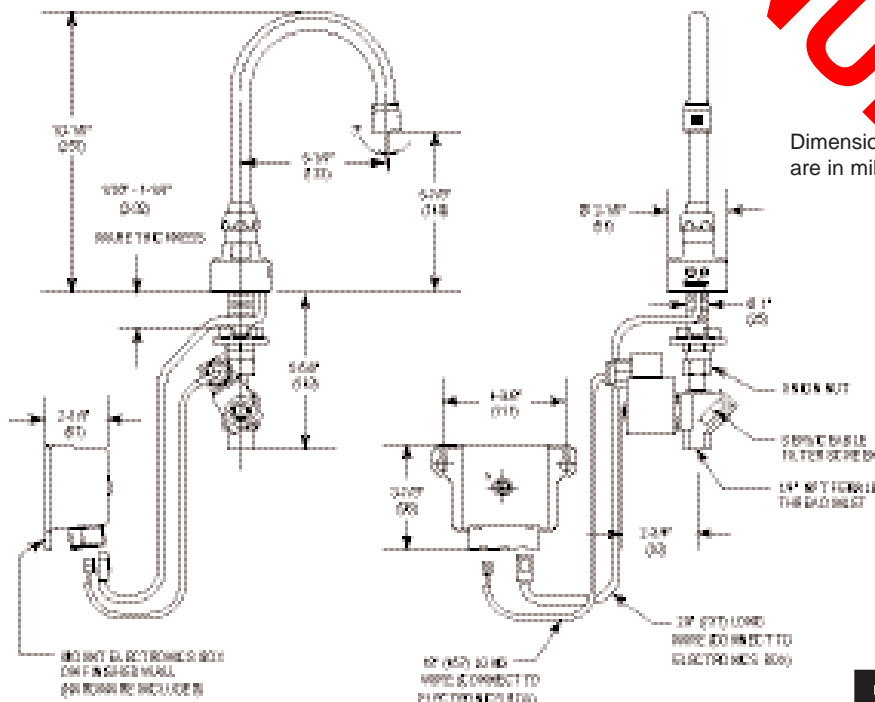
Part No.	Model/Description
<input type="checkbox"/> S53-307	DC Gooseneck IR Faucet 4" Chrome Trim Plate
<input type="checkbox"/> S53-309	AC Gooseneck IR Faucet 4" Chrome Trim Plate

### OPTIONAL SELECTIONS

Part No.	Model/Description
<b>Plug-in Transformer:</b>	
<input type="checkbox"/> 232-007	Plug-in Transformer, 6V, for AC Gooseneck Faucet
<b>Water Supply:</b>	
<input type="checkbox"/> S59-4004XS	TMA Vernatherm™ Thermostatic Mixing Valve Pre-Pack
<input type="checkbox"/> S45-2081	TL Single Tempered Line w/ Stop, Strainer, Check Valves
<b>Temperature Selection Valve:</b>	
<input type="checkbox"/> S01-515	MM2, User-Adjustable Mixing Valve, High Flow, 3 GPM
<b>Drain Assembly:</b>	
<input type="checkbox"/> 229-1031	D-ASSY, Drain, Strainer, and Tailpiece

### MODELS – Faucet Only

Part No.	Model/Description
<input type="checkbox"/> S53-306	DC Gooseneck IR Faucet Centershank
<input type="checkbox"/> S53-308	AC Gooseneck IR Faucet Centershank



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