

Aerda™ 800 Series SensorScan™ Faucet with User Adjustable Temperature Control

Models S53-269, S53-293, S53-294

- User-Adjustable Temperature Control
- Reliable Battery-Operated Infrared Activation
- Broad Sensing Zone Within Bowl
- .5 GPM Vandal-Resistant Aerator
- Available Centershank, 4" and 8" Centerset Mounting
- AA Battery Power or 9-Volt DC Plug-In Adapter
- Operating Valve and Sensor Built into Faucet Body

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 faucet turns itself off after the hands are removed from the lavatory bowl area, allowing users to dry hands or groom without wasting water. Users can adjust faucet output temperature by turning the adjustment lever on the side of the faucet.

Component Operation

The 800 Series SensorScan™ controls water flow by using a battery-powered sensor module to open and close a motor-driven valve built into the faucet's body.

The faucet uses a zone-focused infrared transmitting beam to create a large detection area confined strictly to the lavatory bowl. When the hands enter the detection area, the sensor starts water flow by electronically opening the faucet's integral valve. When hands leave the detection area, the sensor stops water flow by closing the valve. The faucet can be powered by either (6) AA batteries or an optional 110VAC/9VDC plug-in adapter. The batteries are mounted in a small plastic box which can be remotely located beneath the countertop. The faucet includes (2) stainless steel supply tubes with check stops to prevent backflow into the supply lines.

Average faucet cycles will vary by battery. (6) AA batteries (not included) yield approximately 500,000 cycles.

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 color tones or darkness.

Valve

9-volt DC. The electronically-activated motor-driven valve provides reliable performance since there are few moving parts and its operation is unaffected by most chemicals and minerals often present in municipal water supplies. The valve is built into the faucet body.

Flow Control/Rate

Operating range 20-100 PSI. The flow rate is .5 GPM.

Body

Chrome-plated solid cast brass body. Centershank mounting (standard), 4" and 8" centerset mounting with trim plate.



Sanitary

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

Vandal Resistant

The sensor module and operating valve are housed within the faucet body. The vandal-resistant aerator can only be removed with a spanner wrench (included).

Code Compliance and Certifications

CSA

The 800 Series SensorScan™ faucets are certified to meet CSA B125 test standards for plumbing fixtures.

ADA Compliance

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

Sample Specification

No-touch infrared faucet shall be 800 Series SensorScan™ battery-operated infrared faucet with temperature control. Infrared sensor to use zone-focused transmitting beam, creating a detection area not exceeding the bowl perimeter. The infrared sensor module shall electronically activate a 9-volt DC motor-driven valve. Faucet shall be powered by (6) AA batteries. Faucet shall include chrome-plated, solid cast brass body with centershank mounting.

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.



Bradley 

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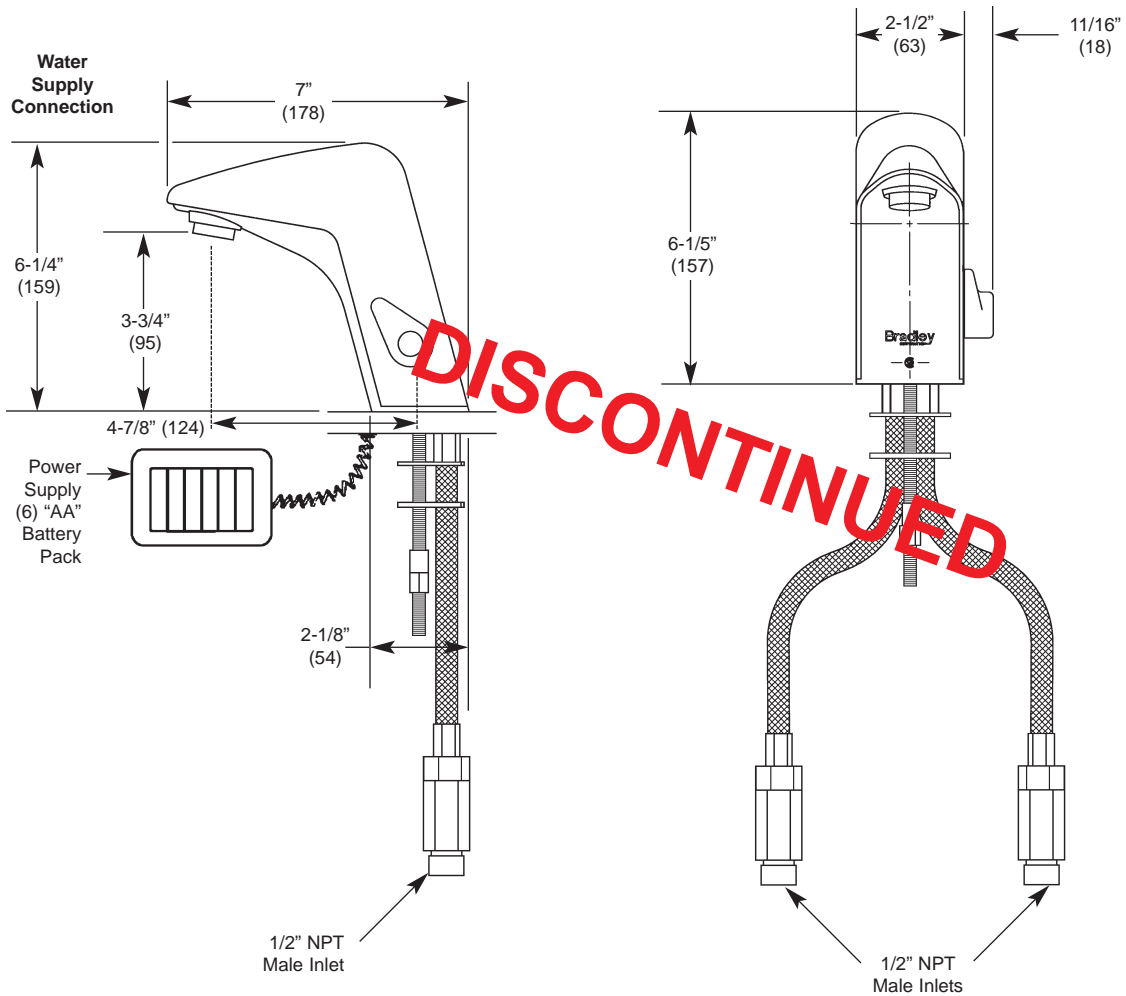
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PLUMBING FIXTURES
TECHNICAL DATA

Dimensions shown in parentheses are in millimeters



MODELS – Faucet Only

Part No.	Model/Description
<input type="checkbox"/> S53-269	800 Series SensorScan™, Battery IR w/ User Adjustable Temp Control

MODELS – Faucets with Trim Plate

Part No.	Model/Description
<input type="checkbox"/> S53-293	800 Series SensorScan™, Battery IR w/ User Adjustable Temp Control & 4" Trim Plate
<input type="checkbox"/> S53-294	800 Series SensorScan™, Battery IR w/ User Adjustable Temp Control & 8" Trim Plate

OPTIONAL SELECTIONS

Water Supply:

- S59-4004XS TMA Vernatherm™ Thermostatic Mixing Valve Pre-Pack
- S45-1604 TL Single Tempered Line w/ Stop, Strainer, Check Valves

Adaptor:

- 232-003 110VAC/9VDC PLUG-IN ADAPTOR

Temperature Selection Valve:

- S01-515 MM2, User-Adjustable Mixing Valve, High Flow, 3 GPM

Drain Assembly:

- 269-1231 D-ASSY, Drain, Strainer, and Tailpiece

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