



A WATTS Brand

MF2939

Terreon® Wall-Hung Tri-Fount™ Washfountains

- Serves one to three users at a time
- Unique, repairable, solid surface material
- Highly vandal resistant
- Saves water, energy, and space
- ADA/TAS compliant
- Available with air, infrared or battery infrared activation, or TouchTime®

Specifications

Size and Capacity

Accommodates 1–3 users at a time. The pre-assembled sprayhead module is equipped with three independent streamformers, each controlled by a separate pushbutton or infrared sensor.

Flow Control/Rate

Operating water pressure range is 20–80 psi. Flow regulators keep flow rate constant at all pressures. A flow restrictor keeps the flow rate constant under any pressure.

Construction

Bowl and Pedestal

Constructed of Terreon®, a densified solid surface material composed of bio-based resin, or Terreon®RE, a densified solid surface material composed of a bio-based resin and preconsumer recycled granules. Terreon and TerreonRE are resistant to chemicals, stains, burns and impact. Surface damage can be easily repaired with everyday cleansers or fine grit abrasives. Terreon and TerreonRE are GREENGUARD® certified as low-emitting materials. Front access panel constructed of heavy gauge type 304 stainless steel.

Vandal Resistance

The molded sprayhead is an integral element of the bowl module. All streamformers, escutcheons, and pushbuttons/infrared sensors are secured to the unit from inside the sprayhead module. All valves, water supplies, and waste connections are concealed inside the pedestal. The front access panel is removable only with a hex key. To provide maximum vandal resistance, the wall must be structurally reinforced to adequately support the fixture. The Terreon and TerreonRE bowls are resistant to stains, burns, and impact. Surface damage is easily repaired and repair work is virtually undetectable.

Standard Equipment

Valves and Fittings

In addition to the bowl and pedestal, the following valves and fittings are standard: Navigator® thermostatic mixing valve, stop valves, drain spud, flexible stainless steel supply hoses and locknut. Stop valves mount onto 1/2" nominal copper tubing.

Activation Types

Air

Each pushbutton pneumatically actuates a non-hold-open, air metering, single-temperature valve with field adjustable timing from 0–45 seconds. Factory preset at 11 seconds. Each pushbutton activates one valve, which in turn, activates one station at a flow rate of 0.10 gpc (0.38 Lpc). Pushbutton requires less than five pounds of pressure.

Infrared

Each of the stream formers is controlled by a separate slow-closing solenoid valve. Hands placed within the bowl are detected by an infrared sensor which activates a flow of tempered water from one station at a rate of 0.50 gpm (1.9 Lpm). Shut-off is automatic after hands are removed from the detection area. The infrared sensor uses a conical-shaped transmitting beam, having a detection area adapted to, but not exceeding, the bowl perimeter. The adaptive infrared sensor automatically adapts to the bowl after power is turned on. The infrared sensor is not affected by varying color tones or darkness. Direct sunlight or bright washroom lights will not activate the system. Infrared models also include solenoid valves and a low-voltage transformer as standard equipment:

- Solenoid – 12VDC, 3/8" tube fitting. Few moving parts, and resistant to most chemicals, minerals, and impurities often present in municipal water supplies.
- Low-Voltage Plug-In Adapter – UL/CSA-listed 120VAC/12VDC plug-in adapter. Plugs into a standard GFCI protected electrical outlet. Location of plug-in adapter per local electrical code.



Serves the American Disabilities Act and ICC/ANSI 117.1 guidelines, citations 306, 308, 309.4, 606.4, 606.5 when installed according to these requirements. Consult local codes and standards.

Page 1 of 3

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This information is subject to change without notice.

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Battery Infrared

Each battery-powered sensor uses a zone-focused infrared transmitting beam, creating a large detection area not exceeding the bowl perimeter. The sensor is not affected by varying skin tones or darkness. When hands enter the detection area, the sensor starts water flow by opening the solenoid valve electronically. When hands leave the detection area, the sensor stops the flow of water by closing the valve. The 6VDC electronically activated solenoid valve has few moving parts, providing reliable operation that is unaffected by most chemicals and minerals often present in municipal water supplies. Each station is powered by a single lithium battery. Battery type is Duracell® DL 223A or equivalent (included). Battery type is Duracell® DL 223A 6V lithium or equivalent with a life expectancy of 4-5 years or approximately 200,000 cycles.

TouchTime

Each low-voltage, mechanical pushbutton or piezo switch actuates a non-hold-open, slow-closing anti-hammer solenoid valve that is timed from an electronic potted assembly. Each pushbutton activates one valve which, in turn, activates one station flowing tempered water at a rate of 0.10 gpc (0.38 Lpc). TouchTime controls water flow at each station through the use of solid state, digital circuitry. Timing is factory set at a 15 second run time, but is field adjustable to pre-set timeout periods and optional auto-flush function. The 24 hour flush function will activate water flow for a period of 60 seconds any time there has been no activation within the past 24 hours. Pushbutton requires less than five pounds of pressure.

Listed by IAPMO R&T to

- Uniform Plumbing Code (UPC)
- National Plumbing Code of Canada
- International Plumbing Code (IPC)
- IGC 156 and the requirements of CSA B45.5/IAPMO Z124 and ASME A112.18.1/CSA B125.1



Listed by UL Environment to

- GreenGuard Gold



Listed by NSF International to

- NSF/ANSI 372



Complies with

- ADA
- ICC/ANSI 117.1
- TAS

(Optional equipment may not comply with all ADA dimensional guidelines)



Product Compliance

Barrier-Free

The Terreon and TerreonRE Wall-Hung Tri-Founts™ are designed to comply with the most current ADA and TAS guidelines on reaches, clearances, and operation when mounted at recommended height dimensions by the installer.

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Standard Selections (Must select one from each category)

Mounting Height Type (select one)

- ☐ **STD** Standard Height
☐ **JUV** Juvenile Height
☐ **OBC** Ontario Building Code Height

Activation Type (select one)

- ☐ **IRP** Infrared
☐ **AST4** Air Pushbutton
☐ **BIR3** Battery Infrared
☐ **TPPA** TouchTime Pushbutton
☐ **TPPB** TouchTime Piezo Switch

Soap Dispenser Type (select one)

- ☐ **LSD** Two Integral Liquid Soap Dispensers
☐ **NSD** None

Water Supply Type (select one)

- ☐ **TL** Single Tempered Line
☐ **TMA** Navigator® Thermostatic Mixing Assembly (Hot & Cold Supplies)

Color of Terreon Bowl (select one)

Standard Colors

- | | |
|---|---|
| ☐ ALP-WHT Alpine White ¹ | ☐ LONDON London Gray ¹ |
| ☐ AVALANCHE Avalanche ^{1 2} | ☐ BONE Mesa Bone ¹ |
| ☐ CHAR Charcoal Gray | ☐ MOONSTONE Moonstone ² |
| ☐ COBBLE Cobblestone | ☐ O-TAUPE Organic Taupe |
| ☐ DS-WHT Designer White ¹ | ☐ PEBBLE Pebble Beach ¹ |
| ☐ DRIFT Driftwood ^{1 2} | ☐ PEP-WHT Peppered White |
| ☐ DUNE Sand Dune ^{1 2} | ☐ POLAR Polar Ice ^{1 2} |
| ☐ E-GRAY Empire Gray | ☐ SAND Sandtrap |
| ☐ GLACIER Glacier ¹ | ☐ S-CREEK Stone Creek |
| ☐ GRAPH Graphite | ☐ S-MIST Silver Mist |
| ☐ LANNON Lannonstone | ☐ WHT-SAND White Sand ¹ |

Designer Colors (available at an additional charge)

- | | |
|--|---|
| ☐ ARC-CHIP Arctic Chip ¹ | ☐ RIVER Riverstone |
| ☐ COFFEE Coffee Bean | |

TerreonRE Colors (available at an additional charge)

- | | |
|---|--|
| ☐ BIRCH-BARK Birch Bark ¹ | ☐ MOONDUST Moondust |
| ☐ DUSK Dusk | ☐ OAT Oat |

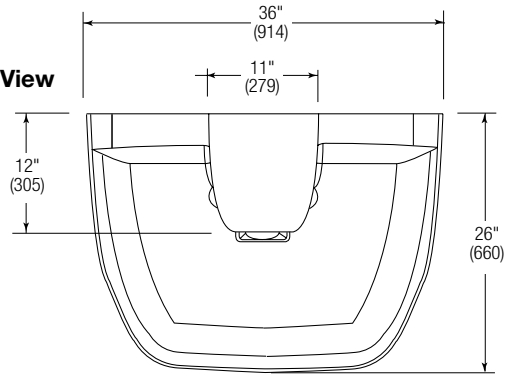
¹ Select Terreon colors not available with IRP or BIR3 activation.

² This color contains large, randomly distributed chips.

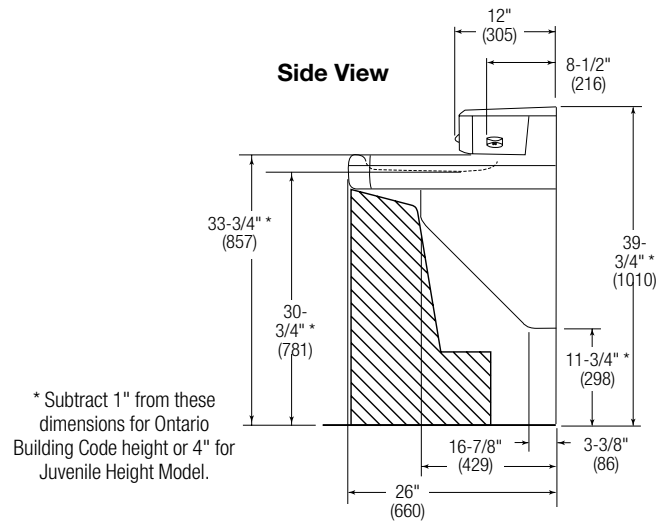
Dimensions

(mm)

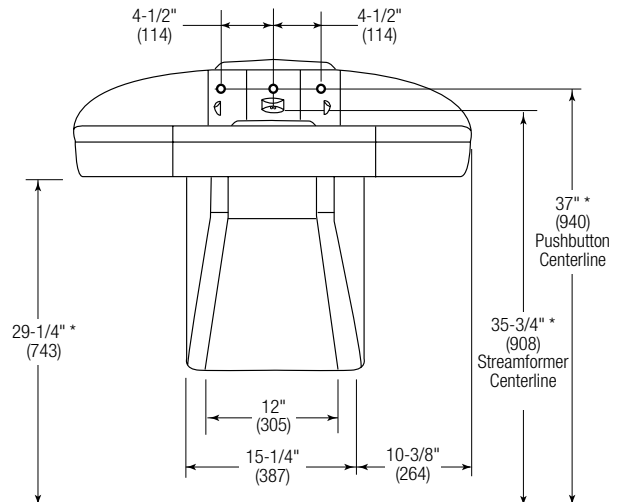
Top View



Side View



Front View



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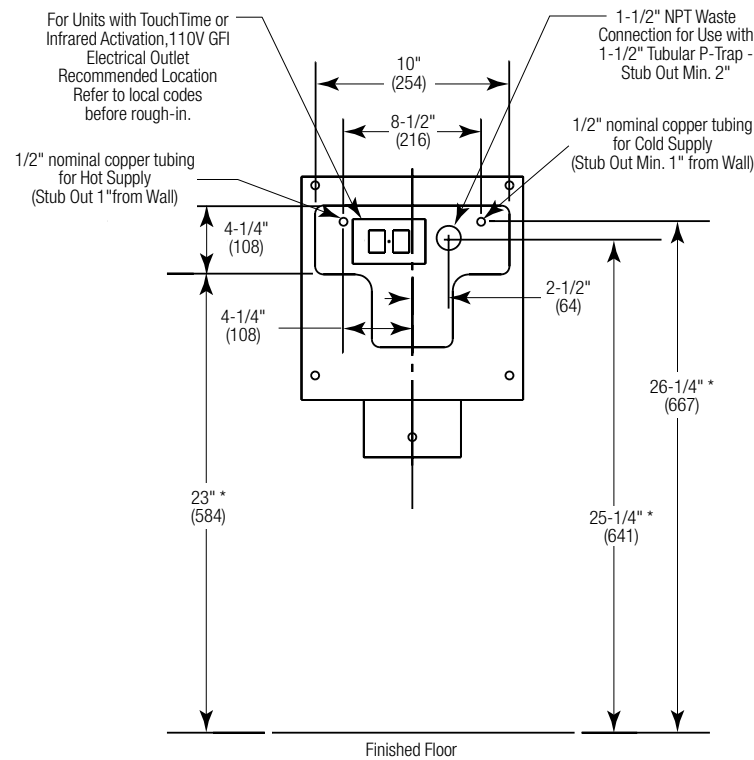
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Rough-Ins

(mm)

Wall and Mounting Frame Opening



* Subtract 1" from these dimensions for Ontario Building Code height or 4" for Juvenile Height Model.



Multi-Fount models available with various mounting heights. Before beginning rough-ins, verify if the unit is Standard, Juvenile or Ontario Building Code model and rough in accordingly.

Wall Anchor Locations

