



A WATTS Brand

WB1 & WB2

WashBar® WB1 and WashBar WB2

Key Features

- All-in-One chrome-plated cast alloy WashBar® includes touch-free soap, water, and hand dryer
- WashBar is compatible with a variety of trough, ramp-style basins
- WashBar technology intuitively guides user and eliminates simultaneous activations
- Available with Top Fill Multi-Feed Soap System
- Cleaning mode for easy cleaning
- Brushless motor is adjustable to medium and high speeds

Specifications

The single piece All-in-One WashBar allows users to access soap, water, and a hand dryer without leaving the hand washing station. Integrated LED lights and icons laser etched in the WB1 or WB2 casting guide users through the handwashing process. Achieve best WashBar performance by pairing WashBar WB1 or WB2 with a trough sink with ramp profile. Available with top fill multi-feed soap for easy replenishment, a 1.3 gallon soap container will supply soap to up to three WashBar stations. Dryer shall include a brushless motor that is adjustable to medium and high speeds and operates at 76 dB at high speed with hands in the air stream. Each WashBar requires a dedicated NEMA 5-15R Receptacle, 125V GFCI which is properly grounded and no more than 4 ft from the installation of the dryer assembly.

Product Compliance

Listed by IAPMO R&T to

- Uniform Plumbing Code (UPC)
- National Plumbing Code of Canada
- International Plumbing Code (IPC)
- IGC 127 (WashBar)



Complies with

- ADA
- ICC/ANSI 117.1
- TAS
- NSF/ANSI 372
- CSA B45.5/IAPMO Z124



Listed by UL to

- UL499, CAN/CSA C22.2 No 36-08 (Hand Dryer)



- ☒ 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.

- ☒ This plumbing fixture is designed for hand washing only. It is not intended to dispense water for human consumption through drinking or for preparation of food or beverages.



Finishes



Click on any color swatch to view as a larger image.



Polished Chrome



Brushed Black Stainless*



Brushed Stainless*



Brushed Bronze*



Brushed Brass*



Brushed Nickel*

*PVD Finishes, see PVD Finishes section.

* PVD Finishes

Physical Vapor Deposition is an intricate, environmentally friendly finishing process that molecularly bonds the finish to the faucet, creating a very hard, durable surface that will not corrode, discolor, or tarnish.

Compatible Bradley Products

- [Top Fill Multi-Feed Soap System](#)
- [WashBar with OmniDeck \(LD-5010\)](#)
- [WashBar with Undermount Basin](#)
- [WashBar with Verge \(LVQ Lavatories\)](#)



WB1 & WB2

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Construction

WashBar

All-in-One chrome-plated cast alloy WashBar includes touch-free soap, water, and hand dryer. Available in optional in-stock PVD finishes. The WashBar is secured to the deck with two anti-rotational shanks. Blue LED lights help guide the user to the WashBar, indicating the three functions. The LED light will change from blue to green to signify that the function is in use. Each function is easily identified by the corresponding icon on the WashBar's top surface.

Sensors are programmed to eliminate simultaneous activations of nearby functions. Each sensor includes a turn-off delay of 1-2 seconds to aid in a smooth, controlled handwashing and drying operation. WashBar sensors are not affected by varying skin tones or darkness. Smart technology allows the facilities manager or maintenance staff to clean and configure with ease.

Cleaning Mode

WashBar has an activation feature to put the unit into Cleaning Mode to allow for easy cleaning of the WashBar and basin without activating the functions.

Configuration Mode

The WashBar also has a Configuration Mode to identify how many cycles are on the soap, faucet, and dryer. Mode also allows for dryer speed adjustment at medium and high levels.

Soap Dispenser

The soap dispenser is located on the left side of the WashBar. This eliminates any soap from dripping on counters or onto the floor, minimizing slip hazards and allows for easy cleaning. Choose between a foam or liquid soap dispenser and either Top Fill Multi-Feed system or bottom fill system.

Top Fill Multi-Feed System

Top Fill Multi-Feed soap system includes a 1.3 gallon (166.5 oz) tank and top fill port located on the top surface of the wash basin. Elegant translucent ring integrated on the fill port gives a glowing indication of low soap and overflow conditions. When the ring on the fill port flashes red, simply remove the fill port cap and replenish the soap via the fill port. Top Fill Multi-Feed must be ordered as a separate line item. See page 12 for suggested quantities.

Below Fill System

Soap system accommodates up to a 1 gallon (3.78 L) container (included) to reduce the number of soap replacements. When the LED light above the soap function turns to solid red, check the soap level and replace the soap container with a full container if necessary. The soap system includes an adapter to fit many 1 gallon (3.78 L) soap containers that are available on the market.

Please visit <https://www.bradleycorp.com/maintenance/soap-dispensers> for soap recommendations.

Faucet

Faucet is located in the center of the WashBar and has a spray angle of approximately 17° off the vertical. Choose either a 0.5 gpm (1.90 Lpm) or 0.35 gpm (1.30 Lpm) PCA silicone tip, non-aerated spray pattern. Maximum run time is 11 seconds. The 0.5 gpm (1.90 Lpm) flow control option is the equivalent to 0.09 gpc (0.35 Lpc) and the 0.35 gpm (1.30 Lpm) flow control option is the equivalent to 0.06 gpc (0.24 Lpc). Automatic 5 second purge within 24 hours of the last use. Recommended operating range is 20-80 psi.

Dryer

The hand dryer is located on the right side of the WashBar, allowing users to dry hands immediately after washing. This virtually eliminates excess water on the floor. The brushless dryer motor provides heated air at two speeds, medium and high, which can be field adjusted by placing the WashBar in Configuration Mode. With the dryer configuration set to high speed, hands can dry in approximately 15 seconds depending on user preference. There is 76 dB (high speed) with hands in air stream.

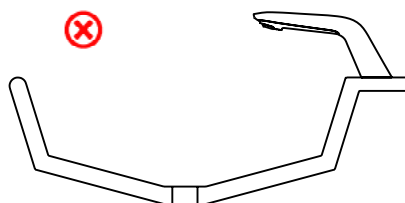
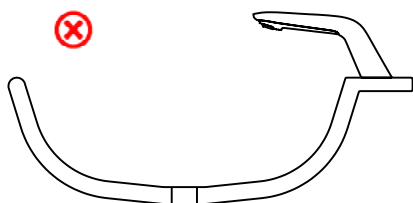
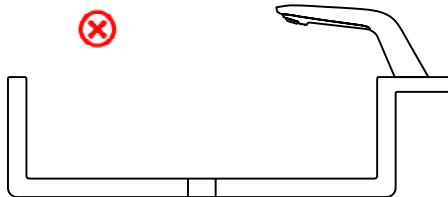
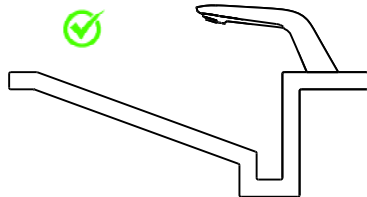
Electrical

Total rated power is 1200W. Each WashBar station requires a dedicated NEMA 5-15R Receptacle, 125V GFCI which is properly grounded and no more than 4 ft from the installation of the dryer assembly. Each 12V DC dryer cable powers the WashBar faucet, soap, and Multi-Feed system via the dedicated outlet.

Basin Requirements



To ensure proper performance, WashBar must be used with trough, ramp-style basins and the basin requirements listed below must be followed. All other bowl shapes and designs will be the responsibility of the designer and installer.



Bradley recommends performing a mock up installation to ensure proper WashBar compatibility.

Materials

WashBar touchless sensor technology is compatible with the following sink/basin materials.

- Solid Surface
- Polished Quartz
- Matte Quartz
- Marble
- Granite
- Concrete



WashBar touchless sensor technology is NOT compatible with highly reflective, high gloss, or high polish surfaces such as porcelain or stainless steel.

Colors

WashBar touchless sensor technology is compatible with both light and dark colors.

Material Thickness of Basin Deck

WashBar WB1 & WB2 shank lengths are 1" . Material thickness of the basin deck and undermount (if applicable) must be a minimum of 1/2" and maximum 1".



WashBar® WB1 and WashBar WB2

Basin Requirements (cont.)



To ensure proper performance, WashBar must be used with trough, ramp-style basins and the basin requirements listed below must be followed. All other bowl shapes and designs will be the responsibility of the designer and installer.

Basin Profile

Trough Parameters

- Interior Length (left to right): Minimum 21½" (549)
- Interior Width (front to back): 11½" (292)
- Interior Depth: 4¼" (108)

Ramp Parameters

- Basin Angle: 20°



Minimum 6" (153) spacing is required from the bottom of the WashBar sensor to the basin to ensure the sensors work properly.

Drain Parameters

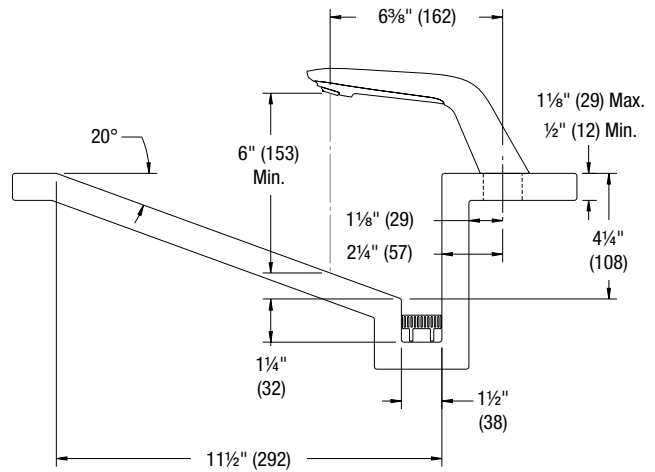
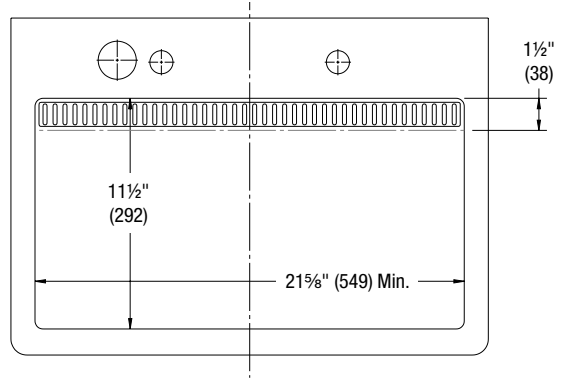
- Trench Drain Depth: 1¼" (32)
- Trench Drain Width (front to back): 1½" (38)



The trench drain should include ¼" slope per foot per drain.



Bradley recommends using a grid strainer when foam soap is used to contain water and maintain airflow.





WB1 & WB2

WashBar® WB1 and WashBar WB2

WashBar Component Footprint



WashBar components require a footprint of 26½" x 8¼" x 21" (673mm x 210mm x 533mm) below each WashBar. Refer to the installation illustrations to locate tolerances of each component.

Component Installation

Dryer

WashBar dryer hose only allows for the WashBar to be installed such that the nozzle is directly under the WashBar's shank. The dryer motor must be installed vertically.

Ensure the air intake of the dryer motor is clear of any obstructions.

Soap

WashBar soap tubing is 6" (153). It is critical that the soap control box be located within 6" (153) of the WashBar to ensure proper connection.

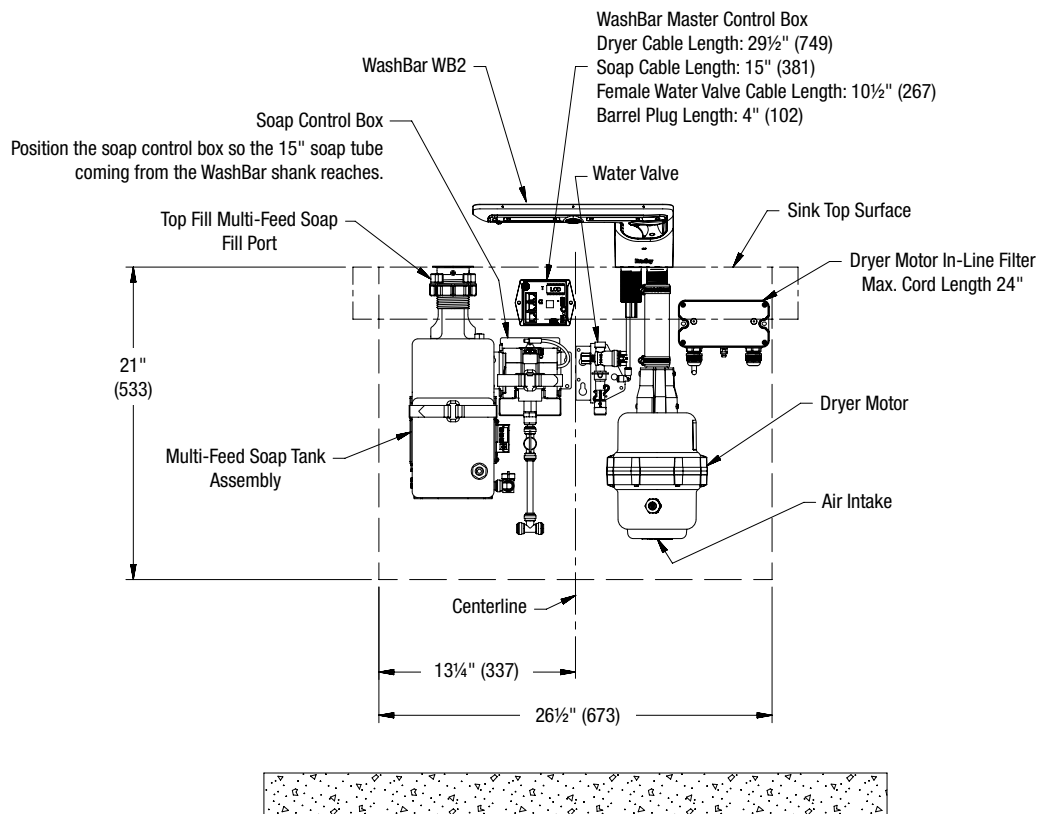
Top Fill Multi-Feed

The distance between the soap dispenser and the fill port hub assembly can only be a maximum of 42" (1067) center to center. Review the installation diagrams for required Top Fill Multi-Feed locations to ensure proper connection of multi-feed soap.

Component Identification



WB2 shown; WB1 similar.





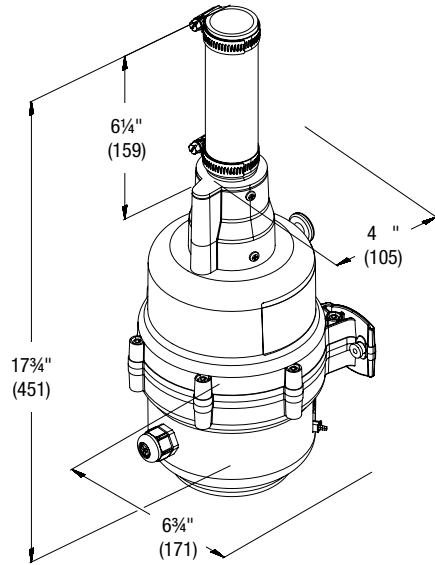
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WB1 & WB2 WashBar® WB1 and WashBar WB2

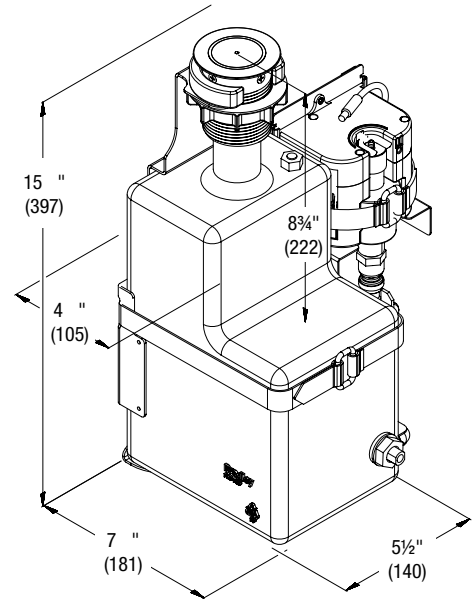
Components Dimensions

(mm)

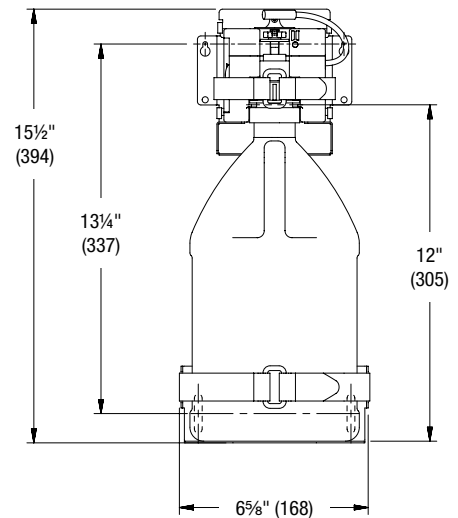
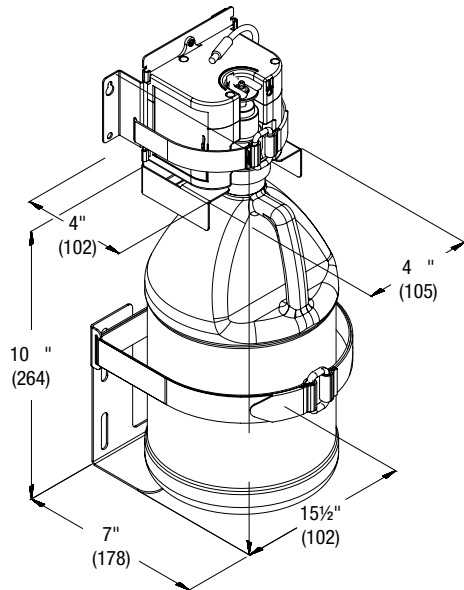
Dryer Motor



Multi-Feed Soap Tank Assembly



Bottom Fill Soap





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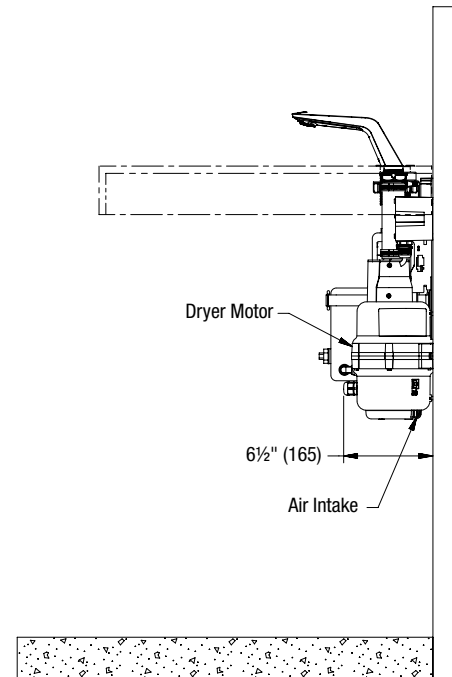
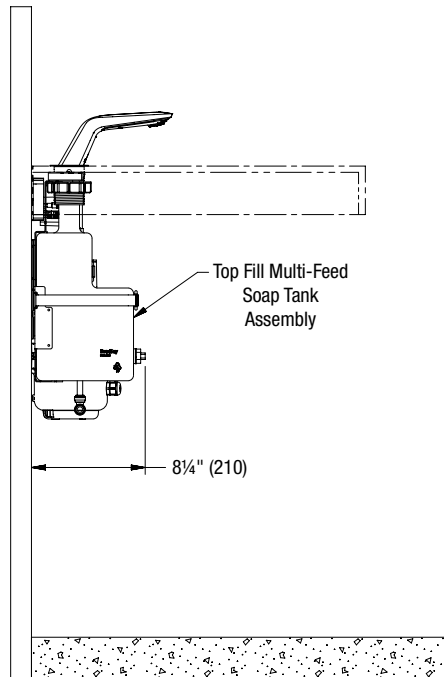
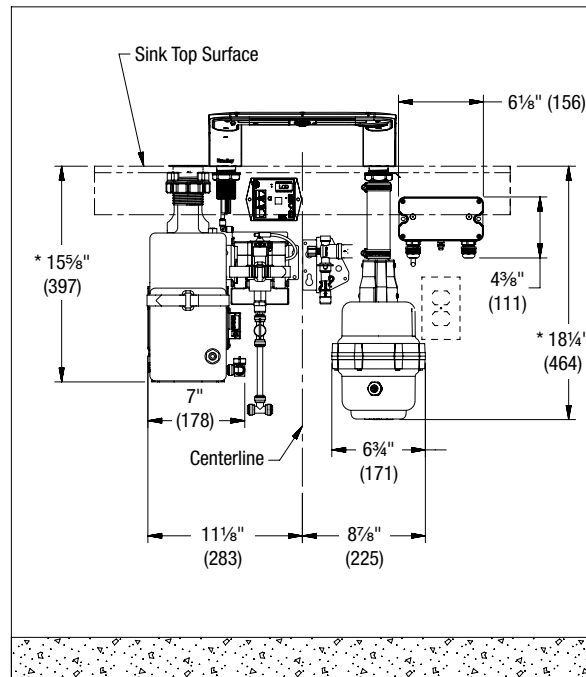
WB1 & WB2

WashBar® WB1 and WashBar WB2

Component Footprint – WB1 Top Fill Multi-Feed Soap

(mm)

* Dimensions were measured from the top of a 1/2" deck. Adjust dimensions accordingly for thicker decks.





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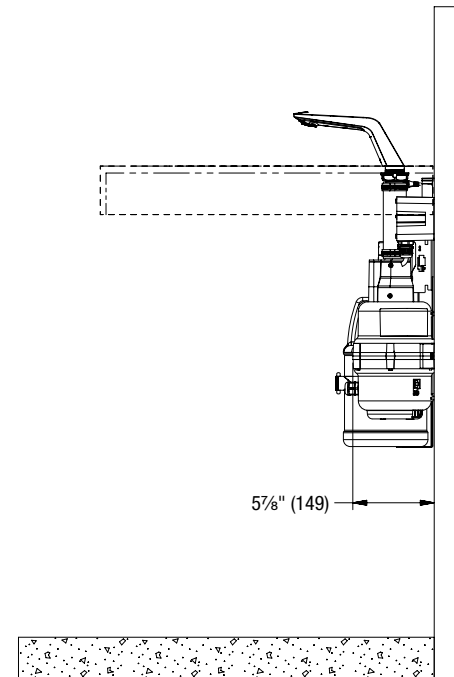
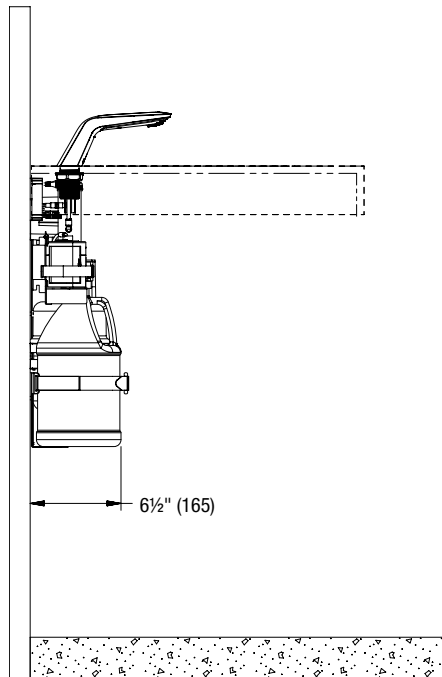
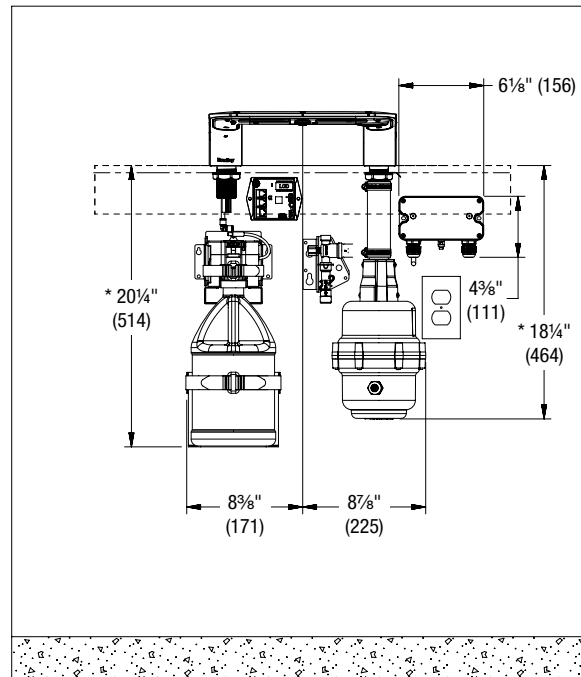
WB1 & WB2

WashBar® WB1 and WashBar WB2

Component Footprint – WB1 Bottom Fill Soap

(mm)

* Dimensions were measured from the top of a 1/2" deck. Adjust dimensions accordingly for thicker decks.





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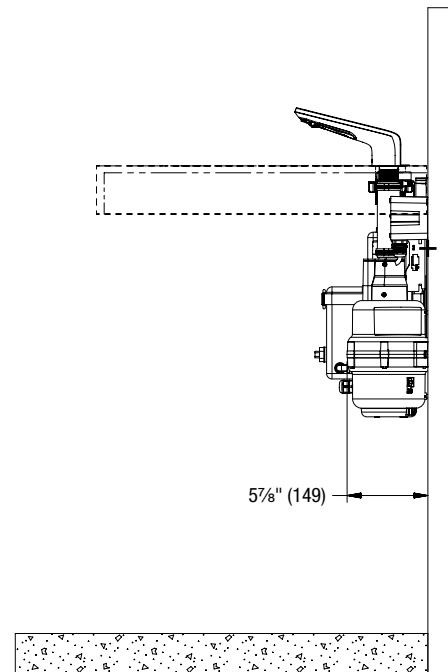
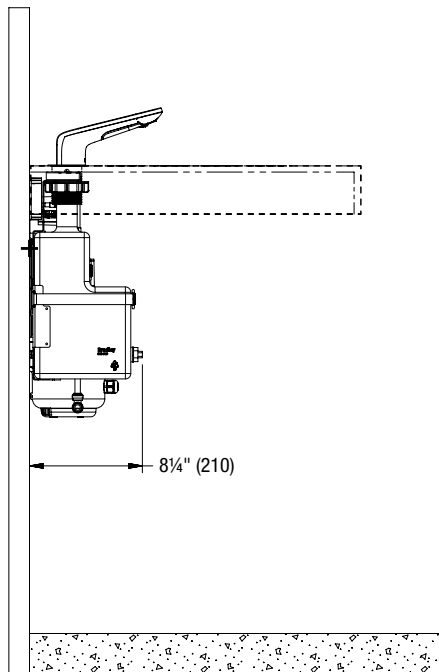
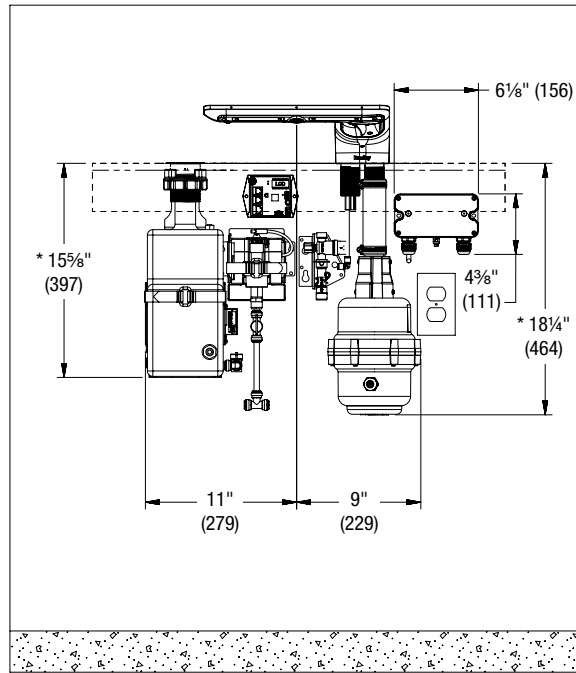
WB1 & WB2

WashBar® WB1 and WashBar WB2

Component Footprint – WB2 Top Fill Multi-Feed Soap

(mm)

* Dimensions were measured from the top of a 1/2" deck. Adjust dimensions accordingly for thicker decks.





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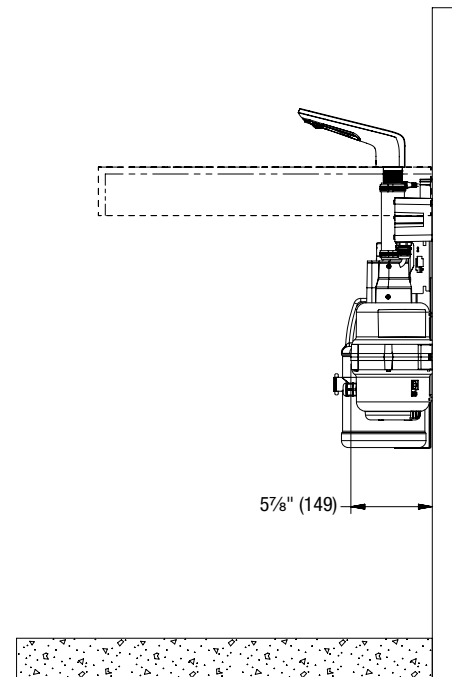
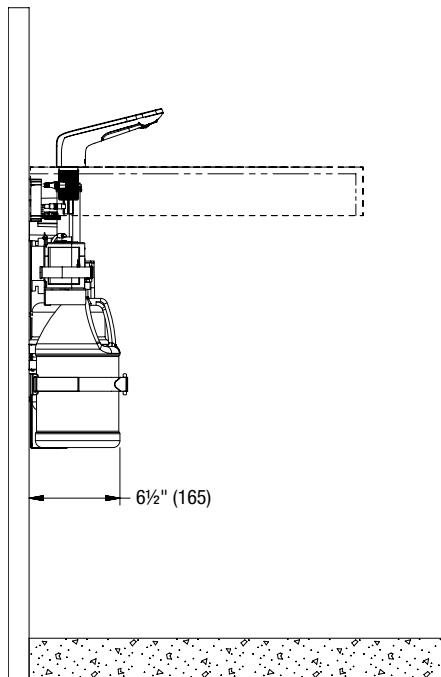
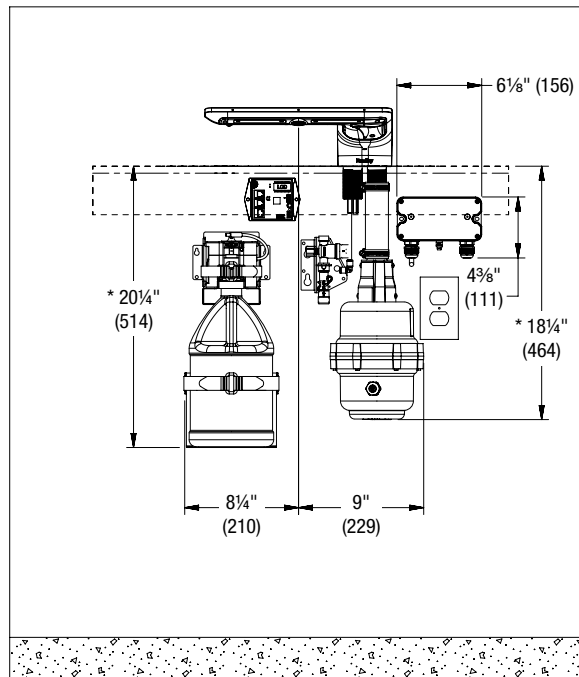
WB1 & WB2

WashBar® WB1 and WashBar WB2

Component Footprint – WB2 Bottom Fill Soap

(mm)

* Dimensions were measured from the top of a 1/2" deck. Adjust dimensions accordingly for thicker decks.

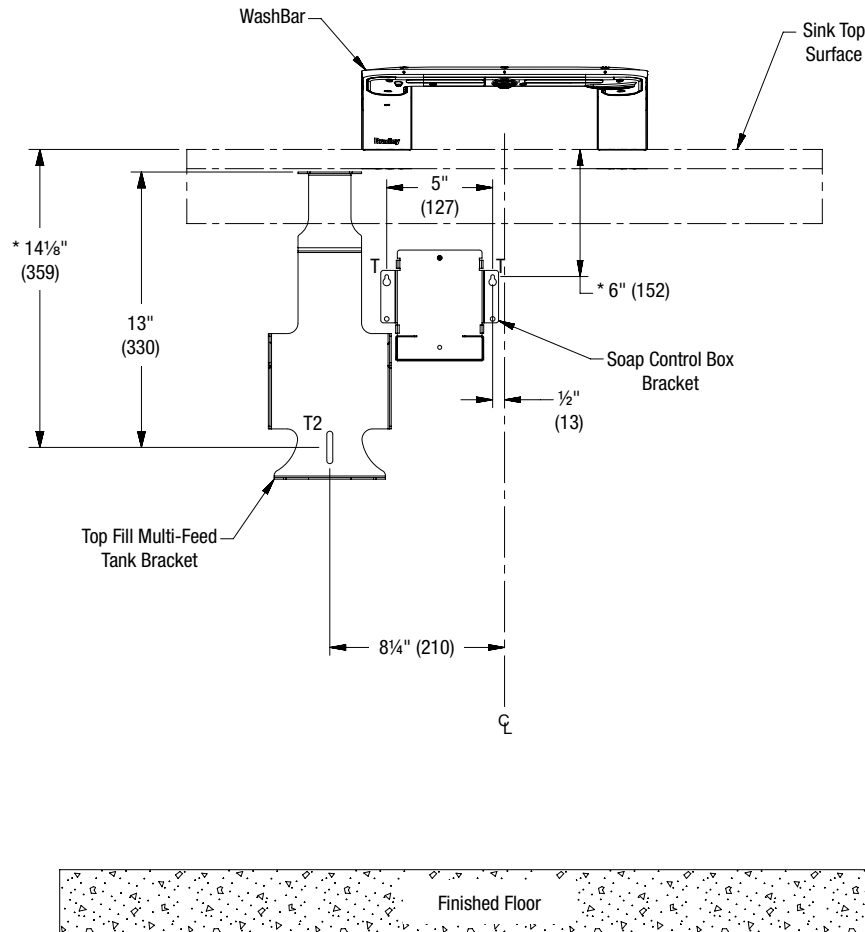


Structural Rough-In for WashBar – Top Fill Multi-Feed Soap

(mm)

 WB1 shown; WB2 similar.

* Dimensions were measured from the top of a 1/2" deck. Adjust dimensions accordingly for thicker decks.



CODE	DESCRIPTION	QTY.
T	#10 Wall Anchors for Top Fill Multi-Feed Soap Tank Bracket (100 lb pull out force)	2
T2	#10 Wall Anchors for Top Fill Multi-Feed Soap Control Box Bracket	1

RIM HEIGHT	VERTICAL HEIGHT ADJUSTMENTS	FIXTURE STYLE
34"	No Adjustment	Standard Height ADA and TAS
31	Subtract 3"	Juvenile ADA and TAS

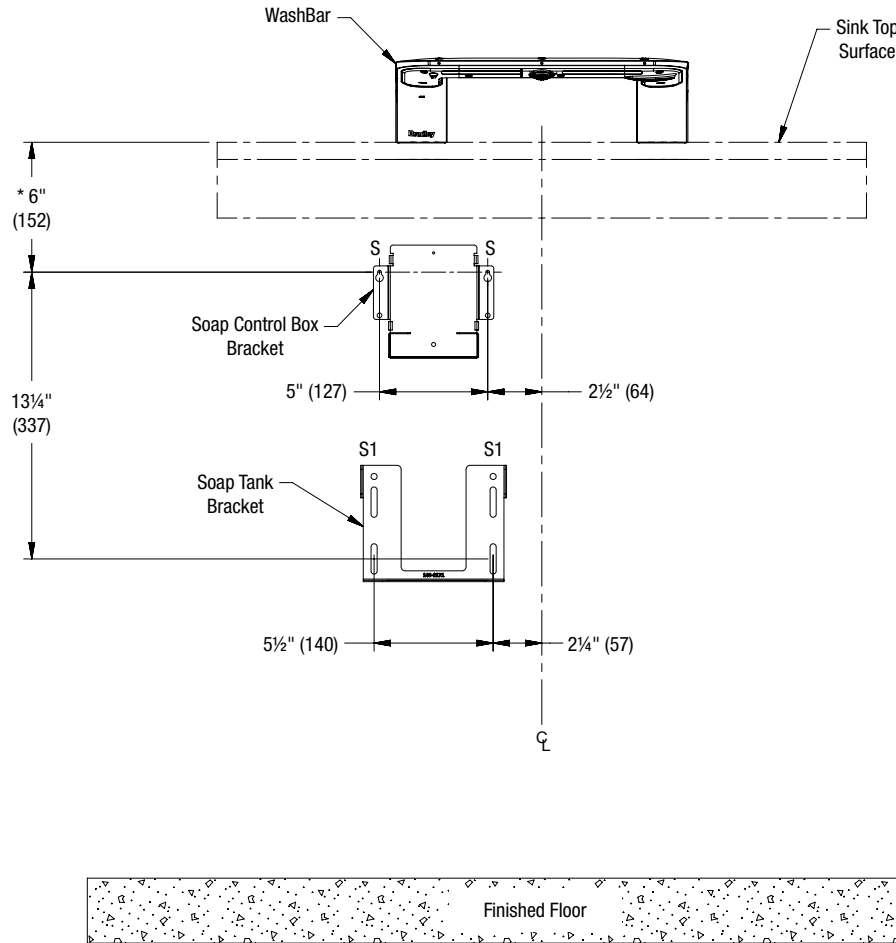
Structural Rough-In for WashBar – Bottom Fill Soap

(mm)



WB1 shown; WB2 similar.

* Dimensions were measured from the top of a 1/2" deck. Adjust dimensions accordingly for thicker decks.



CODE	DESCRIPTION	QTY.
S	#10 Wall Anchors for Bottom Fill Soap Control Box Bracket	2
S1	#10 Wall Anchors for Bottom Fill Soap Tank Bracket (100 lb pull out force)	2

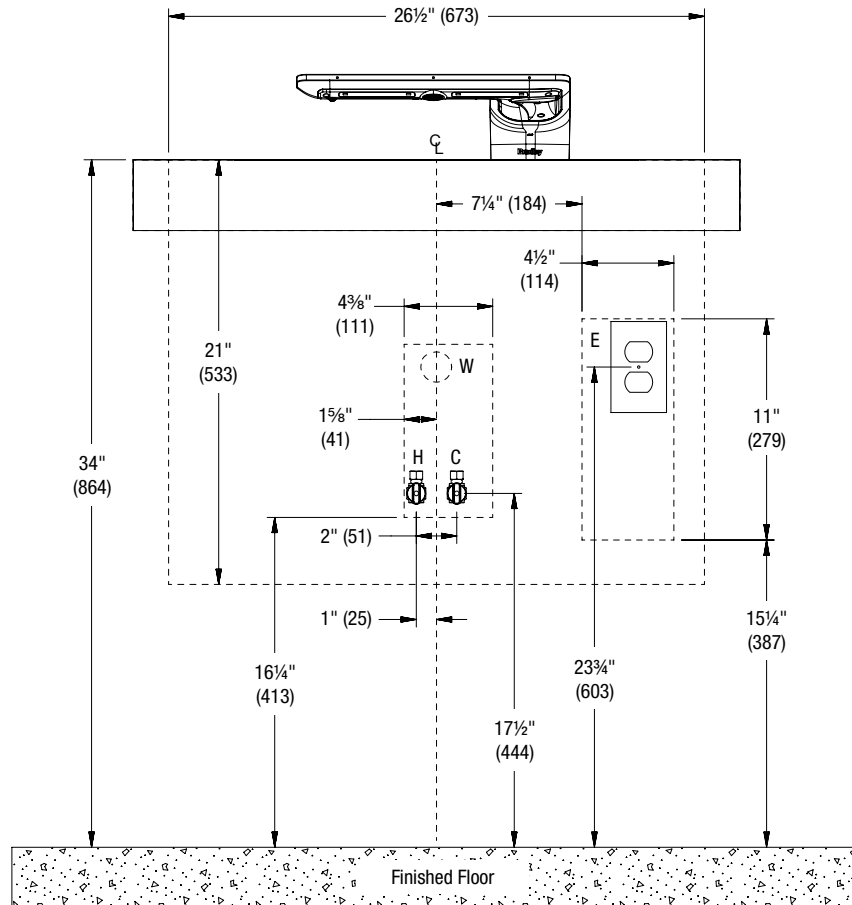
RIM HEIGHT	VERTICAL HEIGHT ADJUSTMENTS	FIXTURE STYLE
34"	No Adjustment	Standard Height ADA and TAS
31	Subtract 3"	Juvenile ADA and TAS

Plumbing and Electrical Rough-In (All Models)

(mm)

☒ Mounting for Standard ADA and TAS height shown.

☒ WB2 shown; WB1 similar.



CODE	DESCRIPTION	QTY.
W	1-1/2" NPT Drain, Stub-out 2" from wall	1
H, C	1/2" Nominal (5/8" O.D. Comp.) Hot/Cold supplies, Stub-out 2" from wall	1
E	A dedicated NEMA 5-15R Receptacle, 125V GFCI must be provided, which is properly grounded and no more than 4 ft from the installation of the dryer assembly.*	1

* If no GFCI outlet is provided, contact a licensed electrician to ensure proper electrical connection in accordance with local building codes. Troubleshooting and internal maintenance must be performed by qualified service personnel.



WB1 & WB2

WashBar® WB1 and WashBar WB2

WashBar Installation

WashBar Drillings

Each WashBar WB1 and WB2 requires (2) $\varnothing 1\frac{7}{16}$ " holes. WashBar shanks are intended to fit snugly in the drilling.



Use of $1\frac{1}{2}$ " drilling will cause improper fitup of WashBar to the basin deck.



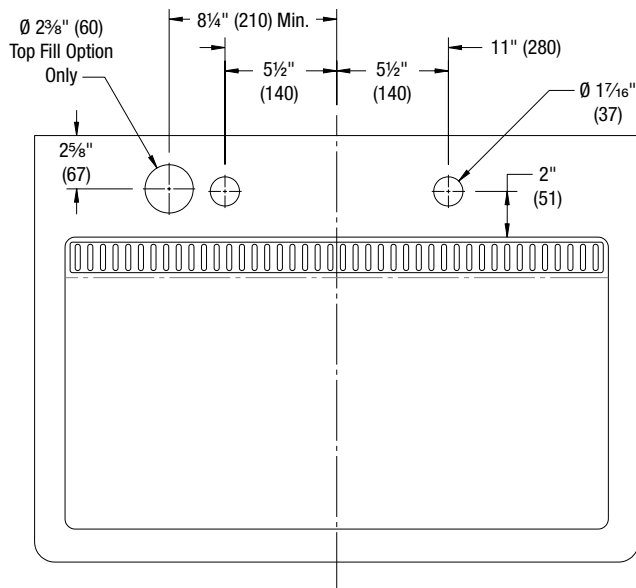
WashBar drillings must be drilled perpendicular to the lav to achieve proper fitup of WashBar shanks.

WashBar Position

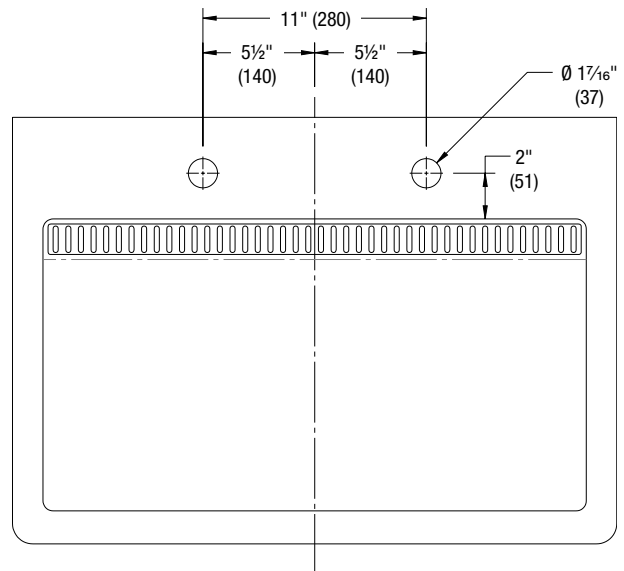
To ensure proper reach range and hand clearance, the centerline of the WashBar drillings must be located 2" from the back vertical wall of the basin.

The centerline must also be located 31" from the wall to ensure the WashBar components are properly attached to the wall.

WB1 + Top Fill Multi-Feed Soap



WB1 + Bottom Fill Soap

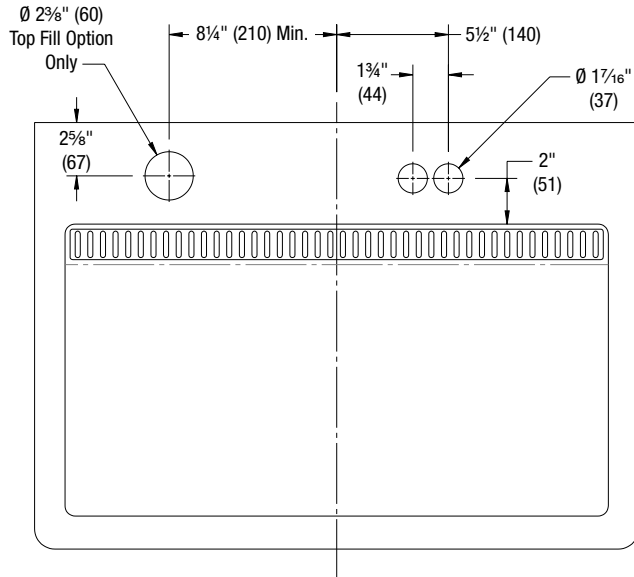




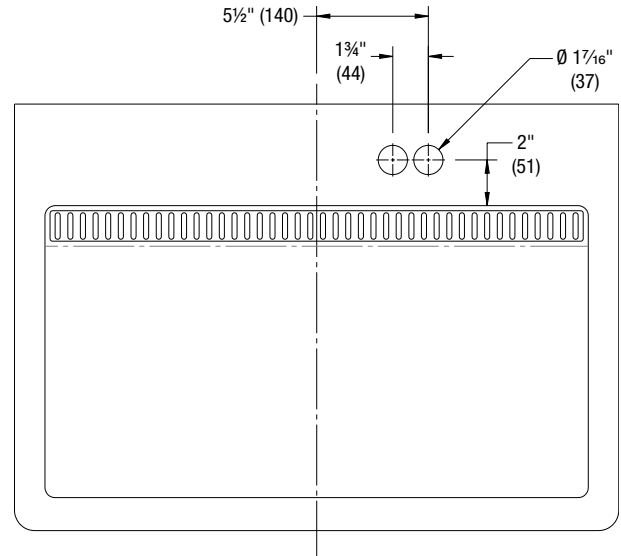
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WB1 & WB2 WashBar® WB1 and WashBar WB2

WB2 + Top Fill Multi-Feed Soap



WB2 + Bottom Fill Soap



Accessibility

ADA

The WashBar is ADA compliant when installed on a lavatory/basin with a maximum rim height of 34" above the finish floor and the lavatory width (front to back) is at a 20½" to 24" maximum.

Enhanced Reach

WashBar WB1 and WB2 will meet Enhanced Reach requirements when installed on a lavatory with a maximum distance of 10½" between the WashBar outlets and the front of the lavatory. The lavatory shall be 34" maximum above the floor, measured to the higher of the rim or counter surface.

ACCESSIBILITY CODE	RIM HEIGHT* (max.)	LAV DEPTH* (min.)	LAV DEPTH* (max.)	NOTES
ADA	34" (864)	20½" (521)	24" (610)	At least one basin must meet dimensional requirements and have proper reach, knee, and toe clearance.
ADA/JUV Juvenile ADA	31" (787)	20½" (521)	24" (610)	At least one basin must meet dimensional requirements and have proper reach, knee, and toe clearance.
Enhanced Reach ICC A117.1 606.5	34" (864)	N/A	20½" (521)	Per 2009 IBC under 1109.2.3, if there are 6 or more lavatories, at least 1 lavatory must be 11" (279 mm) maximum reach depth. Applicable to WashBar Duo only.

* Lav provided by others



Always review local codes for compliance.



WB1 & WB2

WashBar® WB1 and WashBar WB2

Additional Parts for Purchase

Top Fill Multi-Feed

Top Fill Multi-Feed (A14-034) **MUST** be ordered as a separate line item to include the Top Fill Multi-Feed Soap System. Order the quantity that best suits your application. Bradley recommends one Top Fill Multi-Feed per two stations.

Suggested Top Fill Multi-Feed Quantities		
Bradley recommends one Top Fill Multi-Feed per two stations		
• represents Top Fill Multi-Feed port		
Station		Qty of A14-034
1 - Station		1
2 - Station		1
3 - Station		2
4 - Station		2
5 - Station		2
6 - Station		2
6 - Station		3
7 - Station		3
8 - Station		4

Valve Assembly

Optional gang valve assemblies (S65-551, S65-552, S65-553) available in 1-, 2- or 3-station configurations as either thermostatic mixing valve assembly or tempered line adapter assembly. Order gang valve assemblies as separate line items that best suit the water supply requirements of your application. Each gang valve assembly requires one set of stops and hoses.

Suggested Valve Quantities			
represents single valve assembly S65-551			
represents two-valve assembly S65-552			
represents three-valve assembly S65-553			
Station	Option 1	Option 2	Option 3
1 - Station	 (1) S65-551		
2 - Station	 (1) S65-552	 (2) S65-551	
3 - Station	 (1) S65-553	 (1) S65-551 + (1) S65-552	 (3) S65-551
4 - Station	 (2) S65-552	 (1) S65-553 + (1) S65-551	 (4) S65-551
5 - Station	 (1) S65-553 + (1) S65-552	 (1) S65-553 + (2) S65-551	 (5) S65-551
6 - Station	 (2) S65-553	 (3) S65-552	 (6) S65-551
7 - Station	 (2) S65-553 + (1) S65-551	 (1) S65-553 + (2) S65-552	 (7) S65-551
8 - Station	 (4) S65-552	 (2) S65-553 + (1) S65-552	 (8) S65-551



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WB1 & WB2

WashBar® WB1 and WashBar WB2

Models (Must select one)

Model	Description
WB1	WashBar WB1
WB2	WashBar WB2

Standard Selections (Must select one from each category)

Country of Installation

C1	United States or Canada
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Water Supply Type (select one)

T	Single Navigator® Thermostatic Mixing Assembly (Includes supply hoses & shut-offs)
L	Single Tempered Line Assembly (Includes supply hoses & shut-offs)
V	Valve Assembly (Must order S65-55X separately to order multiple valves)

Flow Control Type (select one)

3	0.35 gpm (1.30 Lpm) PCA Silicone Tip, Multiple Individual Laminar Flow Streams
5	0.50 gpm (1.90 Lpm) PCA Silicone Tip, Multiple Individual Laminar Flow Streams

Soap Type (select one)

F	Foam Soap Dispenser
L	Liquid Soap Dispenser

Soap Fill System (select one)

M	Top Fill Multi-Feed (Must order A14-034 as a separate item)
BI	Below Fill (Individual, includes 1 gallon (3.72 L) container)

Hand Dryer Type (select one)

HD2	Brushless Motor 120V, 50/60Hz, 8.6A
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Power Supply (select one)

AC	AC Power
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WashBar Finish Type (select one)

PC	 Polished Chrome
BB	 Brushed Black Stainless
BS	 Brushed Stainless
BZ	 Brushed Bronze
BR	 Brushed Brass
BN	 Brushed Nickel

Additional Parts for Purchase (Purchased Separately)

Valve Assembly (select one IF Water Supply Type V was selected)

NOTE: Refer to the Valve Assembly chart on page 16 to identify the valve type and quantity suitable for your application.

S65-551TMA	1-Station TMA DC Lead Free Valve Assembly (Includes thermostatic mixing valve assembly, hoses & stops)
S65-551TL	1-Station TL DC Lead Free Valve Assembly (Includes tempered line assembly, hoses & stops)
S65-552TMA	2-Station TMA DC Lead Free Valve Assembly (Includes thermostatic mixing valve assembly, hoses & stops)
S65-552TL	2-Station TL DC Lead Free Valve Assembly (Includes tempered line assembly, hoses & stops)
S65-553TMA	3-Station TMA DC Lead Free Valve Assembly (Includes thermostatic mixing valve assembly, hoses & stops)
S65-553TL	3-Station TL DC Lead Free Valve Assembly (Includes tempered line assembly, hoses & stops)

Multi-Feed Soap Tank Assembly (select one)

A14-034-PC	 Top Fill Multi-Feed, Power Harness, Cap, Ring - Polished Chrome
A14-034-BB	 Top Fill Multi-Feed, Power Harness, Cap, Ring - Brushed Black Stainless
A14-034-BN	 Top Fill Multi-Feed, Power Harness, Cap, Ring - Brushed Nickel
A14-034-BR	 Top Fill Multi-Feed, Power Harness, Cap, Ring - Brushed Brass
A14-034-BS	 Top Fill Multi-Feed, Power Harness, Cap, Ring - Brushed Stainless
A14-034-BZ	 Top Fill Multi-Feed, Power Harness, Cap, Ring - Brushed Bronze

NOTE: Includes Top Fill Multi-Feed power harness to power multi-feed tank via the WashBar master controller.