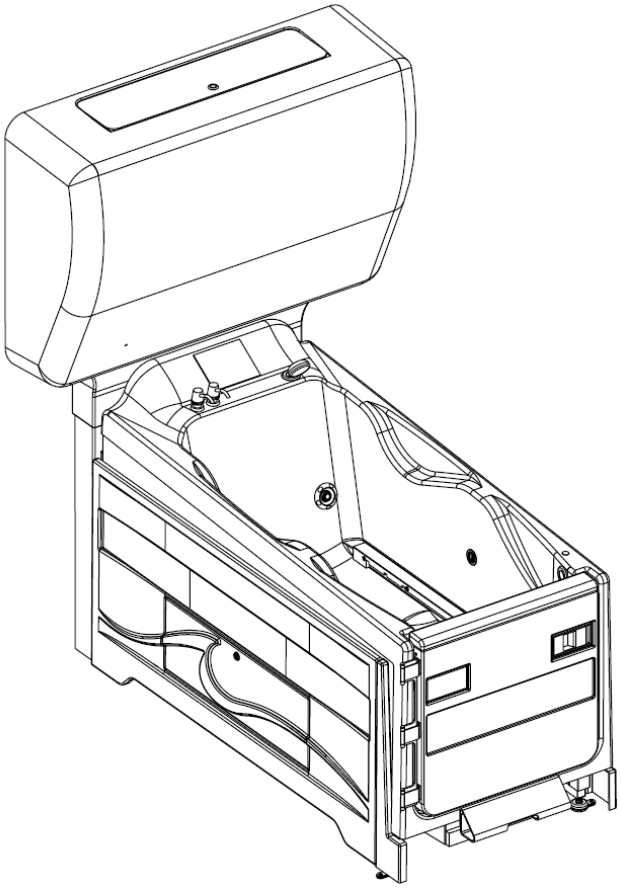
APOLLO

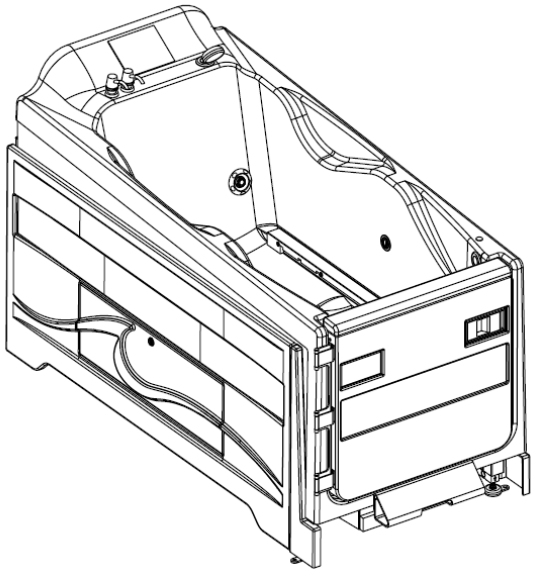
BATH | SHOWER | ACCESSORIES

Solares™ Smart Spa Specifications/Installation

(Manual Part Number 990130)



With Rapid Fill™ Option



Without Rapid Fill™ Option

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Important Installation Highlights

Failure To Comply With These Items Will Greatly Compromise The Functionality Of The Bathing Unit And May Void The Warranty.

- The bathing system is to be installed **AFTER** all construction and finish work is completed. The abrasive nature of drywall dust and construction debris can damage the mechanical components and finish of the system. If the unit is installed during construction, it is the installer's responsibility to ensure the system is adequately protected from such contaminants.
- Flush Hot and Cold water lines prior to connecting to bathing system. Debris left in the water lines can cause valve failure.
- Allow bathing system to reach room temperature before plugging it in. Electric components can be sensitive to extreme temperatures.
- Before attempting to remove the side panels, first remove the thumb screws located behind the personnel access doors located in the center of each panel.

Plumbing and Electrical Codes

All states and municipalities may differ extensively in their plumbing and electrical codes. Therefore, it is Apollo Corporation's recommendation that you check with the proper enforcement agencies in your area before installation.

All Apollo bathing systems are manufactured with built-in backflow prevention. However, due to different plumbing codes, it is advisable that you ask your installer whether there is a need to install additional backflow prevention valves (such as RPZ valves) on any new construction.

NOTE

- Lock Out or Tag Out electrical circuit for bathing system **BEFORE** installation.
- Electrical Protection: Class 1 Type B applied part.
- Bathing system installation must comply with all applicable building and health codes and regulations.
- It is recommended that hot water not greater than 120°F (49°C) be delivered to the bathing system.

Apollo Solares™ Smart Spa Specifications

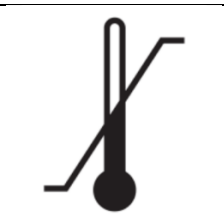
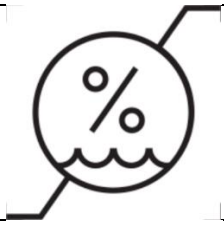
Recommended Room Size:	**Without Rapid Fill™**		**With Rapid Fill™**
	70 in (177.8 cm) wide, 128 in (320.0 cm) long		70 in (177.8 cm) wide, 134 in (340.4 cm) long
Dimensions:	**Length**	**Width**	**Height**
Tub:	74.8 in (190.0 cm)	34.9 in (88.6 cm)	46.1 in (117.1 cm)
Rapid Fill:	17.9 in (45.5 cm)	55.0 in (139.7 cm)	84.9 in (215.6 cm)
Secure Glide™ Carrier:	41.8 in (106.2 cm) max with footrests	28.1 in (71.4 cm)	44.4 in (112.8 cm)
Installed Length:	**Door Closed**		**Door Open**
Without Rapid Fill™:	74.8 in (190.0 cm)		103.1 in (261.9 cm)
With Rapid Fill™:	79.6 in (202.2 cm)		107.9 in (274.1 cm)
Component Weight:	**Tub**	**Rapid Fill™**	**Secure Glide™**
	485 lb. (220 kg)	185 lb. (84 kg)	64 lb. (29 kg)
Total Shipping Weight:	752 lb. (341 kg) [SolaresTU] – 970 lb. (440 kg) [SolaresSRTU]		
Installation Time:	2 Hours		
Inspection & Adjustments:	1 Hour		
Rapid Fill™ Water Capacity:	70 gal (265 L)		
Water Supply:	Requires (2) 0.75 in garden hose thread (GHT) wall mounted faucets. Minimum of 30 PSI (2.1 bar) for hot and cold required.		
Water Connection:	Provided with two 60 in (152.4 cm), 300 PSI (20.7 Bar) EPDM hoses with 0.75 in GHT ends.		
Waste:	2 in PVC schedule 40 pipe. Outside diameter 2.4 in (6.1 cm).		
Electrical:	Dedicated 115 VAC plug-in receptacle protected by a 15A GFCI circuit breaker (not supplied).		
Tub Fill:	Electrically controlled ASSE 1016 certified Thermoscopic mixing valve.		
Shower:	Handheld with 84 in (213.4 cm) ANSI A112.18.1 hose		
Tub Entry:	Door with 25.4 in (64.5 cm) opening where residents are transferred into tub.		
Gasket:	D-shaped, ASTM D2000, solid EPDM extrusion;		
Whirlpool Pump Motor:	0.75 HP, 110-120VAC, 60 Hz, 7 A, 92.5 GPM max flowrate		
Whirlpool Jets:	5 aerated whirlpool jets with adjustable nozzles; 2 non-adjustable, high-flow water ports		
Whirlpool Water Requirement:	70 gal minimum required to run whirlpool jets without resident		
Temperature Reading Specs.:	Accuracy: Manifold- ± 1°F, Tank- ± 2°F *assumes correct calibration; Range: 5°F to 200°F precision:1°F		
Scale Accuracy/ Range/ Precision	Accuracy: ± 1% *assumes correct calibration and chair offset; Range: 0 To 500lbs. Precision:1lb.		
Expected Service Life:	10 years		

Secure Glide™ Transfer System

Carrier:	Black hammertone powder coat painted aluminum
Casters:	Two heavy duty, medical grade, stainless steel ball bearing, total locking swivel casters with 5 in (12.7 cm) non-marring wheels. Two heavy duty, medical grade, stationary non-marring wheels.
Chair:	Black anodized aluminum frame with grey antimicrobial Kydex thermoplastic chair.
Safety Straps:	Two flexible Polyurethane thermoplastic safety straps
Capacity:	500 lb. (227 kg)
Safety Locks:	Single primary latch to release chair from carrier base. Dual spring-loaded secondary locks released with stainless steel handle.

***Specifications subject to change**

Symbol Definitions

	Acceptable storage temperature range.
	Acceptable storage humidity range.
	Consult accompanying documents
	Protective Earth
	AC and DC Current

Bathing Room Preparation

!WARNING!

-Choose flattest possible floor location. Floor must not slope more than ¼ in (6.35 mm) per 12 in (304.8 mm) for Secure Glide™ Transfer System to operate correctly.

-Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally

-Portable RF communications equipment can affect medical electrical equipment. Such equipment should be used no closer than 12” from the tub.

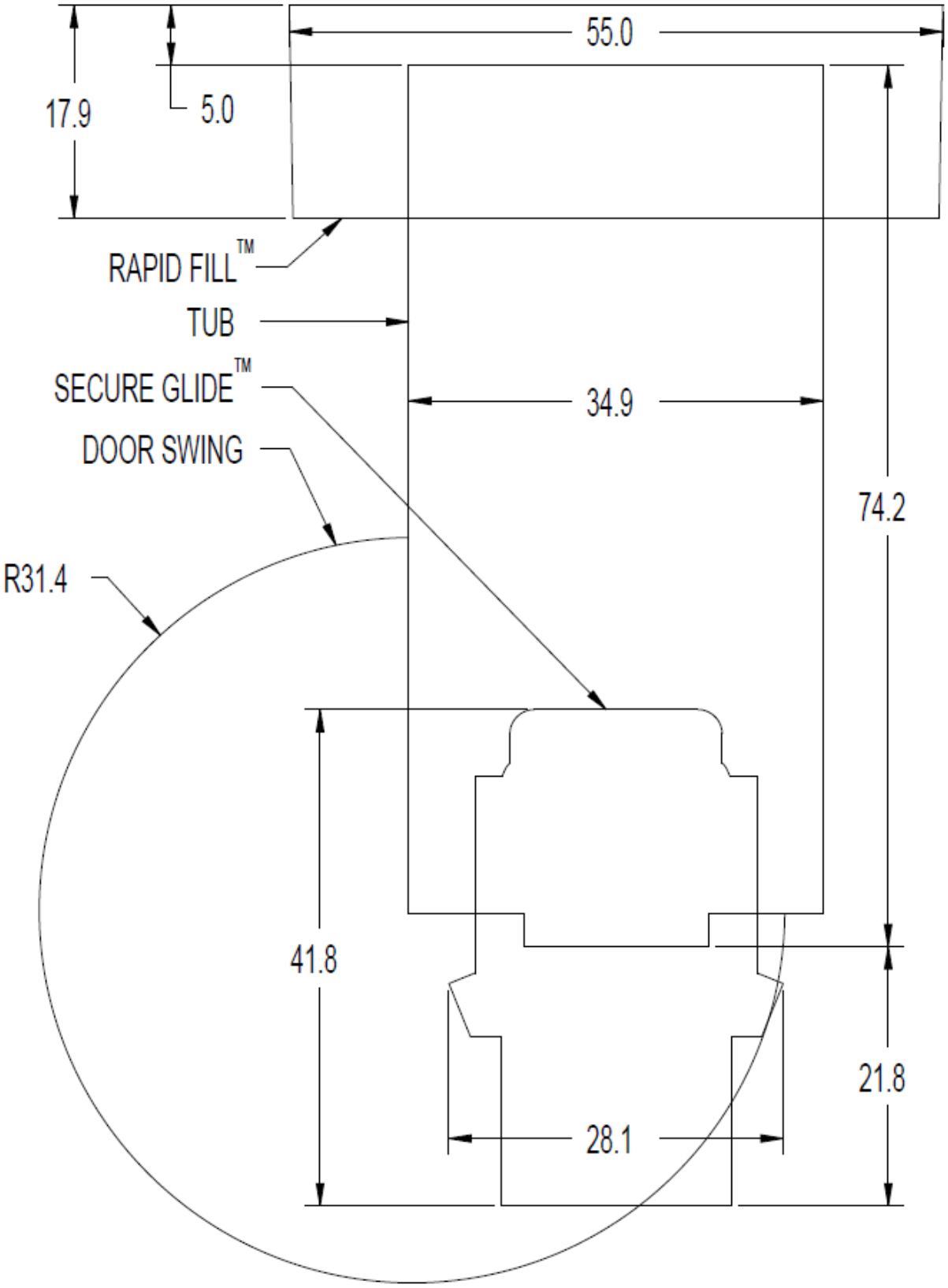
CAUTION

Bathing room characteristics, including room dimensions, door sizes and floor drain placement, must comply with all applicable building and health codes.

NOTE

- Clearance of 18 in (46 cm) or more is recommended for ease of use and serviceability.
- A floor drain is recommended in the bathing room in case an emergency tub evacuation is required. Drain should not be in a location that will interfere with resident transfer.
- Be sure Rapid Fill™ system does not cover switches, valves, or other items that must be reached by personnel.

Bathing System Dimensions

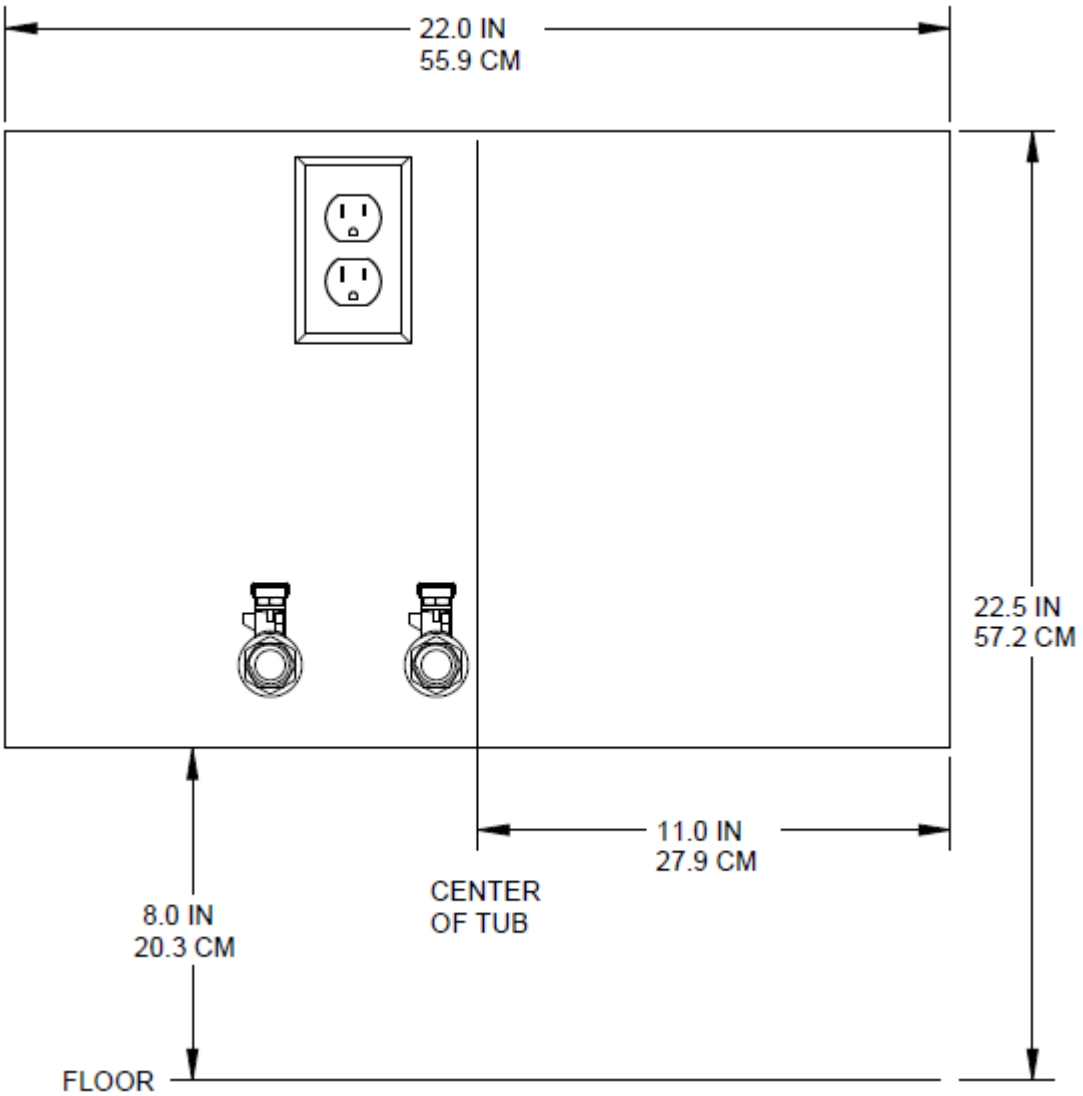


Electrical/Pluming Service Installation

NOTE

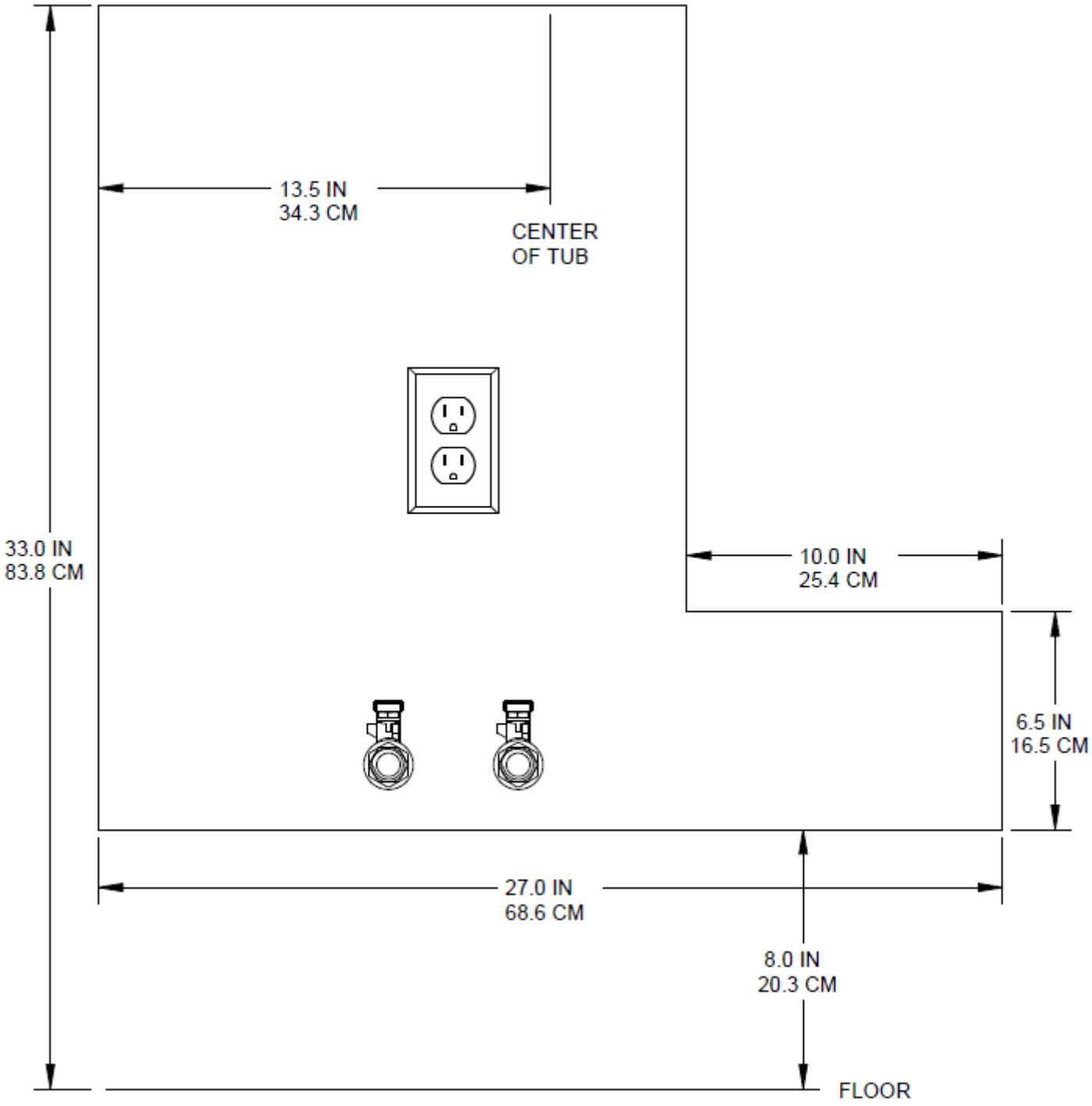
- Electrical outlet must be protected by a separate 15A GFCI breaker.
- Most codes require electrical to be located above the water supply.
- Minimum required water pressure is 30 PSI (2.1 Bar) for both hot and cold water supply.
- Images below show the recommended locations for the electrical and water supply. Electrical and water supply can be located anywhere within the enclosed area.

Bathing System WITH Rapid Fill™ Option



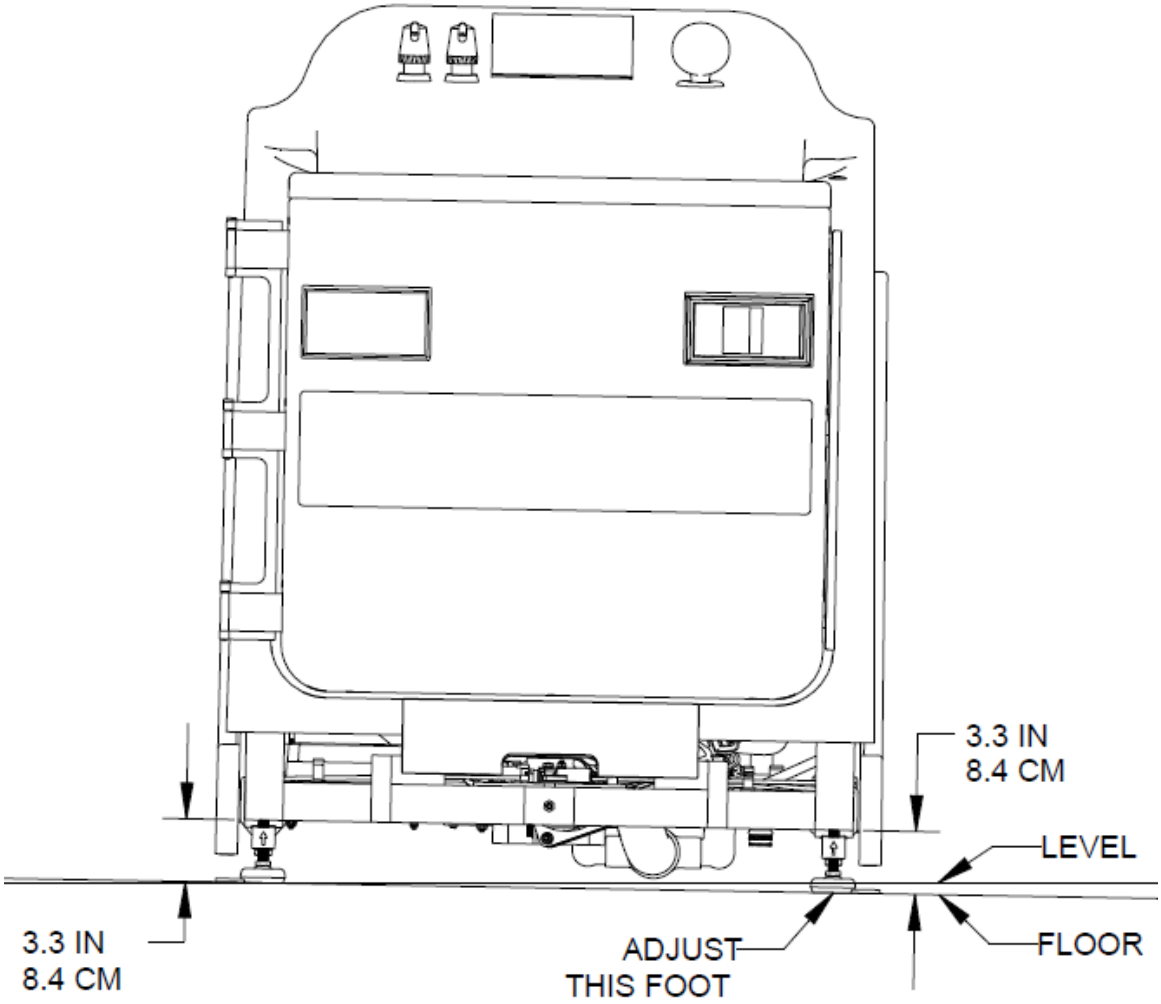
Electrical/Plumbing Service Installation, Cont.

Bathing System WITHOUT Rapid Fill™ Option

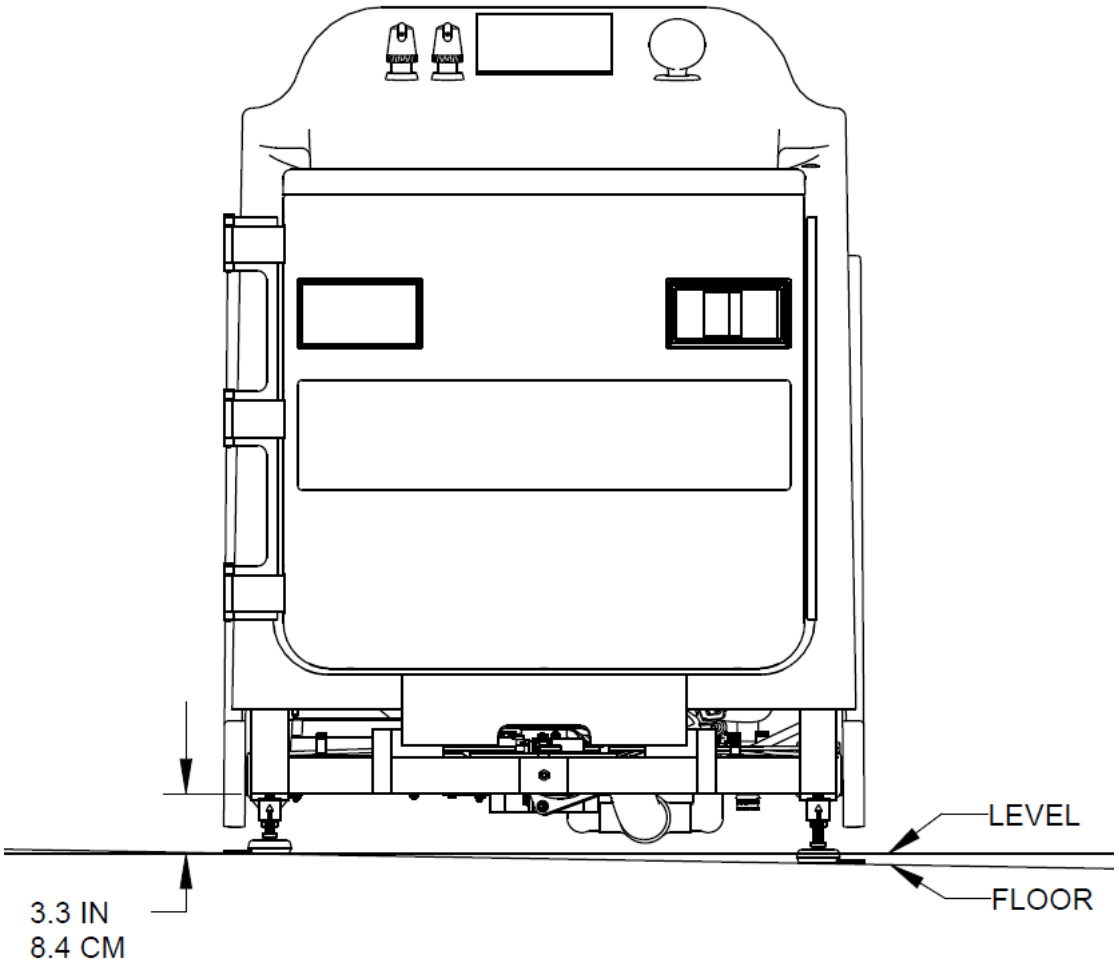


Tub Leveling

- The bathing system has four leveling feet (or six for a system with Rapid Fill™) located at the corners of the frame.
- Use an 11/16” wrench to adjust the leveling feet. Turn the nut clockwise to drop the foot down (raise the tub) and counterclockwise to lift the foot up (lower the tub).
- When adjusting the level at the front of the tub, only adjust the foot on the side where the floor is lower. The frame on the higher side should always be ~3.3 in (8.4 cm) off the ground. See images below:



Tub Leveling, Cont.



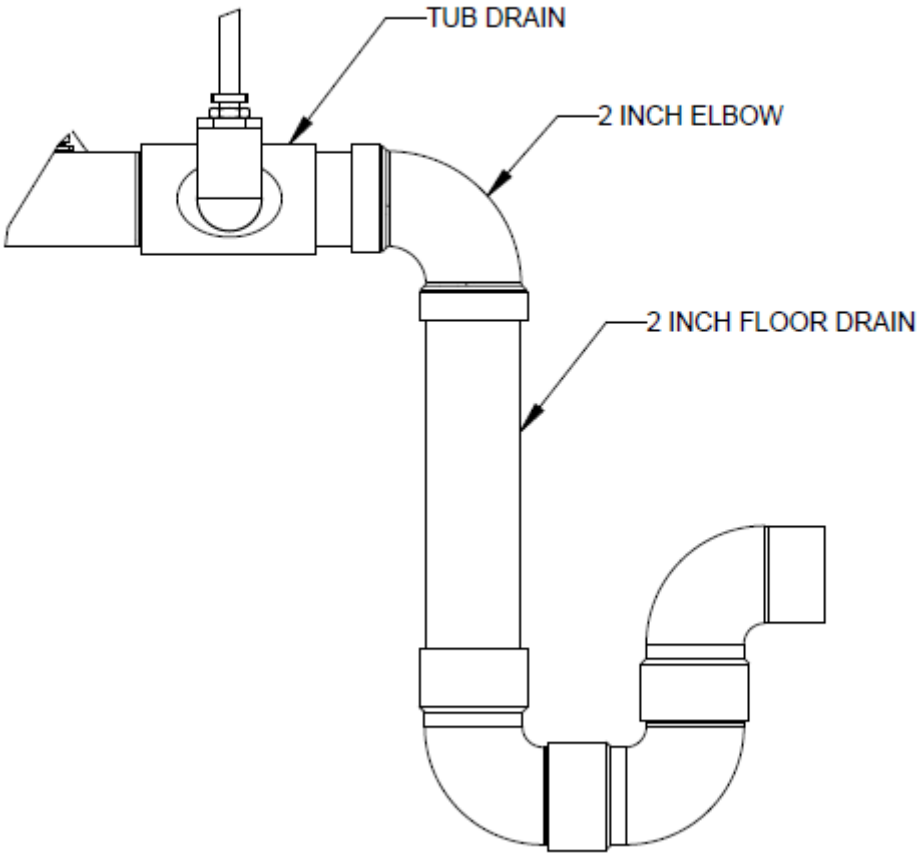
- Once the front of the tub is level, finish leveling the tub by adjusting either (or both) of the feet at the back of the tub.
- Make sure all leveling feet make firm contact with the ground.

Tub Drain Preparation and Connection

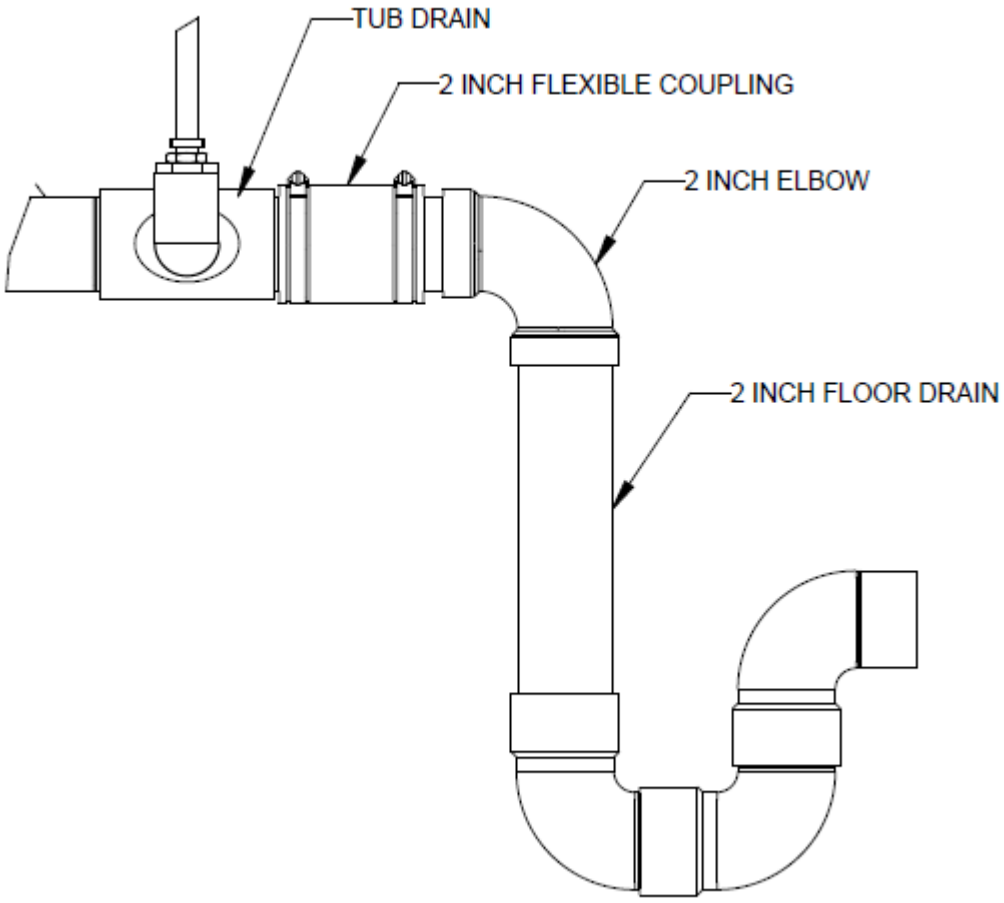
Typical Drain Connections:

- PVC hard plumbed connection.
- Rubber flexible coupler connection.
- Drain terminates into floor sink.

PVC Hard Plumbed Example



Rubber Flexible Coupler Example



Floor Sink Example