



MOEN®

SHOWER PLANNING GUIDE



Innovating today to protect the water of tomorrow. Mission Moen™ is focused on helping preserve and protect our planet’s most precious resource – water – while improving how people interact with it in their daily lives. Our aggressive sustainability commitment includes a promise to help conserve 1 trillion gallons of water over the next decade through Moen products and innovations, as well as a pledge to recover and repurpose 2,000 tons of ocean-bound plastic by 2030.

SAVE
1 TRILLION GALLONS
OF WATER by 2030
while improving
how we experience it.

REPURPOSE
2,000 TONS OF
OCEAN-BOUND
PLASTIC
by 2030.

AND WE'RE NOT DONE.

We're constantly looking to invest in smart technology, align with strategic partners and use creative approaches to reach our goal of protecting water today and into the future.

COVER: Colinet™ M-CORE® 3-Series Shower Only (UTS344303BG), Colinet M-CORE transfer valve (UTS9381BG), handshower with slidebar (3887EPBG), multifunction body spray (TS1422BG), drop ell (A725BG) Brushed Gold, Colinet double robe hook (YB0503BG), Colinet drawer knob (YB0505BG), Colinet drawer pull (YB0507BG)



A Better Shower Experience

You want a shower that makes water feel therapeutic. One that can wash away tension, invigorate the spirit or simply provide a few moments of indulgent solitude every day.

With a range of valve options, showering devices and product innovations, Moen® helps homeowners, designers and installers create custom showers that deliver a fully personalized experience. It all starts by discovering what an ideal shower means to the people who'll use it.

Questions about anything in this guide?

HOMEOWNERS

Contact Moen Customer Service at 1-800-BUY-MOEN.

PROFESSIONALS

Call the dedicated Trade Services Hotline at 1-877-MOEN-PRO.

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Flara™ ExactTemp® shower and freestanding tub filler with matching bath accessories

Design Your Shower

Personalizing your shower experience starts by thinking through four primary considerations.

CONFIGURATION
Consider how many walls you'll use.

How many of the walls surrounding your shower will be glass? Do you want all your controls and shower devices on the same wall? Or would you rather be surrounded with spray? Don't forget, the ceiling can serve as an extra wall for a rainshower. Will you need to include a tub spout?

Find dozens of shower configuration ideas starting on page 15.

SHOWERING DEVICES
Select water spray options.

Showerhead. Handshower. Rainshower. Body sprays. Which do you prefer? How many of each?

Explore the entire line of shower devices at [moen.com](https://www.moen.com).

VALVE OPTIONS
Take control.

The options can seem complicated, but it's really just a matter of how you'd like your shower to function. Do you want your shower to be a part of your smart home? Would you like to control water volume and temperature independently? Do you want to use more than one showering device at the same time?*

The overview chart on page 5 is a great place to start exploring your Moen valve options.

TRIM STYLE AND FINISH
Get the perfect look.

The handles, showerhead style and connections to your wall are called trim. Is your trim style minimalist modern? Or are you going for a more elegant, traditional look? Do you prefer mirror-like Chrome or the bold statement of Matte Black?

Browse trim collections by style category at [moen.com](https://www.moen.com).



Ceiling-mount rainshower (S1003)



Smart Shower controller (TS3304BL), rainshower (S112WR), handshower (3558BL), drop ell (A725WR), multifunction pivoting body spray (TS1422BL)

**Where local water use regulations allow.*

Terms to Know

Getting familiar with a few commonly used terms will help you navigate the shower planning process.

Showering Device

A general name for any component that produces spray – showerhead, handshower, rainshower or a set of body sprays.

Trim

The visible, decorative parts of your shower – examples include handles, escutcheon plates and shower arms in different styles and finishes.

Mixing Valve

The part of your shower system that connects to your hot and cold water supply lines. This valve lets you blend, or mix, hot and cold water to select your preferred temperature. It will either send water directly to a showering device or a secondary valve (a volume control or transfer valve) that, in turn, directs water flow. Moen offers four mixing valves: Moen Smart Shower, ExactTemp®, M-CORE® and Posi-Temp®.

Transfer Valve

The part of your shower system that directs water from a mixing valve to two or three different showering devices. A transfer valve with independent functionality allows you to operate only one of the connected showering devices at a time. Transfer valves with shared functionality allow you to operate multiple showering devices individually or at the same time.

Volume Control Valve

This valve lets you turn water flow on/off and adjust the volume (amount) of water going to a single showering device. Every showering device paired with an ExactTemp thermostatic mixing valve will require its own volume control valve.

Thermostatic

Maintains precise temperature by continually adjusting the incoming mix of hot and cold water.

Pressure Balancing

Designed to balance the ratio of incoming hot and cold water to maintain temperature when there is a water pressure change that could come from flushing a toilet or starting the dishwasher. Pressure-balancing mechanisms are safety devices that protect against extreme water temperature changes by maintaining temperature within ±3.6°F (±2°C).



















Annex™ shower rail system (TS3661NH) with Eva® shower trim (T2131), handshower (164927), rainshower (6345)

EXPERT ADVICE

When meeting with a designer about the plan for your bath, it's helpful to have rough measurements of your shower area.

Understanding Moen Valves

Different valve options give you a variety of ways to design your shower.

SYSTEM/VALVE	FUNCTIONALITY	FLOW RATE THROUGH SHOWER PORT*	SHOWERING DEVICES SUPPORTED	COST	FOUND IN
<div>Smart Shower</div> 	Digital Thermostatic Temperature Control	2-Outlet: 10.0 gpm 4-Outlet: 16.0 gpm	2-Outlet: 1-2 Device Control 4-Outlet: 1-4 Device Control	\$\$\$\$	
<div>ExactTemp®</div> 	Thermostatic Temperature Control	18.0 gpm	1-4+ (with separate volume control valves)	\$\$\$\$	
<div>M-CORE® 4-Series</div> 	Thermostatic Temperature Control Volume Control	5.3 gpm	1 device (2-3 with M-CORE Transfer Valve)	\$\$\$	 
<div>M-CORE® 3-Series</div> 	Volume Control Temperature Control	5.8 gpm	1 device (2-3 with M-CORE Transfer Valve)	\$\$	 
<div>M-CORE® 2-Series</div> 	Temperature Control	6.4 gpm	1 device (2-3 with M-CORE Transfer Valve)	\$	 
<div>Posi-Temp®</div> 	Temperature Control	4.0 gpm	1 device (2 with M-CORE Transfer Valve)	\$	 

Moen Align® Collection in Brushed Nickel is used as reference; for complete shower offering, visit www.moen.com.

*Unrestricted Flow Rates at 60 PSI

Moen Smart Shower



Moen has forever transformed showering to create a personalized showering experience. Now with three ways to control your smart shower: voice, phone and controller.

Voice Activation

- Control your shower with your voice.
- Create a preset within the Moen Smart Water App and start it with Alexa, Siri or Google Assistant.
- Start your shower to a specific temperature.



Start, Stop and Pause Remotely

Use the Moen Smart Water App to set the perfect temperature for your shower.

Set Your Ideal Shower

Save your settings and get the perfect shower every time.

Customize

Install your Moen Smart Shower with two or four outlets, based on your preferred shower layout.



Two-Outlet Controller



Four-Outlet Controller

M-CORE® Universal Valve System

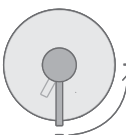
One valve. Three control options.

Choose and change your mind at any time without having to go behind the wall to swap the valve.

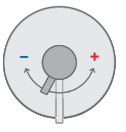


M-CORE® 4-SERIES CARTRIDGE WITH TRIM KIT

- Set-and-forget temperature lever lets you recall your favorite temperature day after day
- Thermostatic design maintains precise, consistent temperature throughout the shower
- Separate volume control lever lets you control the flow



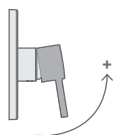
VOLUME
Rotate large handle counterclockwise to turn on and adjust water volume.



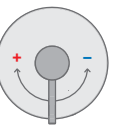
TEMPERATURE
Rotate small handle clockwise for **cold** water.
Rotate small handle counterclockwise for **hot** water.

M-CORE® 3-SERIES CARTRIDGE WITH TRIM KIT

- One lever independently controls water volume and temperature
- Everyone can dial in a combination that's just right



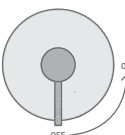
VOLUME
Lift handle to turn water on and adjust water volume.



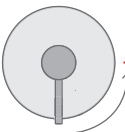
TEMPERATURE
Rotate handle counterclockwise for **cold** water.
Rotate handle clockwise for **hot** water.

M-CORE® 2-SERIES CARTRIDGE WITH TRIM KIT

- One lever controls temperature at a single flow rate



ON/OFF
Rotate handle counterclockwise to turn water on.



TEMPERATURE
Rotate handle counterclockwise to cycle from **cold** to **hot** water.

M-CORE® Transfer Valves

Enjoy M-CORE's improved style options, including perfectly matching transfer trim and attention to details that reflects the desire for a dream bathroom. Not only does M-CORE allow for a wider array of trim selections, but it also enables those going through the new construction or remodeling process to take their time with selections, as functionality and style choices can be made after the valve is plumbed.

With M-CORE transfer valves, consumers can choose from a wide range of options to flow 2 or 3 showering devices independently or in a shared mode.



- Offers independent or shared functionality
 - 2-Function/3-Function Valve: 2 independent or 3 independent
 - 3-Function/6-Function Valve: 2 independent, 1 shared
 - 3 independent, 3 shared
- Broad range of finishes and perfectly matched styles
- M-CORE transfer valves can be plumbed with M-CORE or Posi-Temp® mixing valves



Featured Products

RAINSHOWERS

Immersion® Rainshower Technology

Consistently invigorating. By sending water through a series of self-pressurized channels, Immersion® creates ideal force and distributes it evenly across the entire spray pattern.

A large, square rain showerhead is mounted on a wall. It is spraying water in a wide, even pattern. The showerhead is made of polished metal and has a grid of small holes for water distribution.

BODY SPRAYS

A square showerhead is mounted on a wall. It is spraying water in a wide, even pattern. The showerhead is made of polished metal and has a grid of small holes for water distribution.

HANDSHOWERS

A handheld showerhead is being used by a man. He is holding the showerhead with his right hand and spraying water onto his chest. The showerhead is made of polished metal and has a grid of small holes for water distribution.

MAGNETIX® HANDSHOWER

So easy, you can do it with your eyes closed. Or full of soap. An integrated magnet securely snaps back into place when you place the handshower near the shower arm dock.

Magnetix® handshower [220C3EPBG]

InfinitiDial™

Move the Infiniti Dial™ to blend sprays and pressure for your perfect shower. Create the experience that is just right for you.



SHOWER RAILS

Transform your standard shower by adding more showering options without a costly remodel.

ANNEX™

Add any showerhead and handshower style you wish, then transfer water from one to the other.

Moen Spa Shower Rain System

Enjoy the full-coverage, water-saving atomized spray experience from a rainshower and handshower.

BATH SAFETY

90° grab bar (YG8824),
90° shower trim (TS2711),
teak shower seat (DH7110)

Slips and falls in the bath are a danger for everyone. The good news? Making your shower safer doesn't have to detract from its beauty. Decorative grab bars, designed to coordinate with Moen shower trim collections, add style and stability.

M-PACT® COMMON VALVE SYSTEM

Update your bath without changing the shower valve behind the wall. Valves built on the M-PACT® Common Valve System accept any trim style made for that valve. Whenever you're ready for a new look, you can upgrade in minutes – simply by swapping out a new style or finish.

WALLMOUNT TUB FILLER

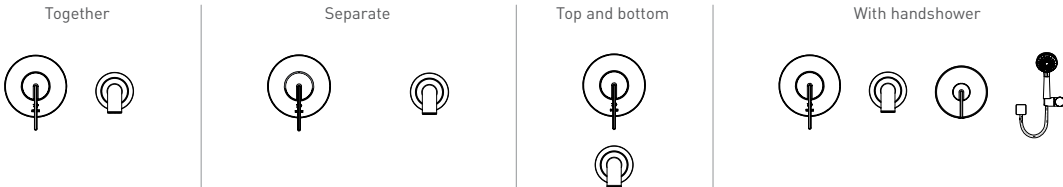
Increased Flow

New high-flow cartridge (8 gpm) with volume and temperature control for a fast fill of freestanding tubs.

Customizable Installation

Ability to mount handle trim and tub spout in a variety of configurations.

Cia™ one-handle wallmount tub filler (WT6221BG), Brushed Gold





Moen Smart Shower, Voss™ faucets and matching accessories

DREAM SPAS

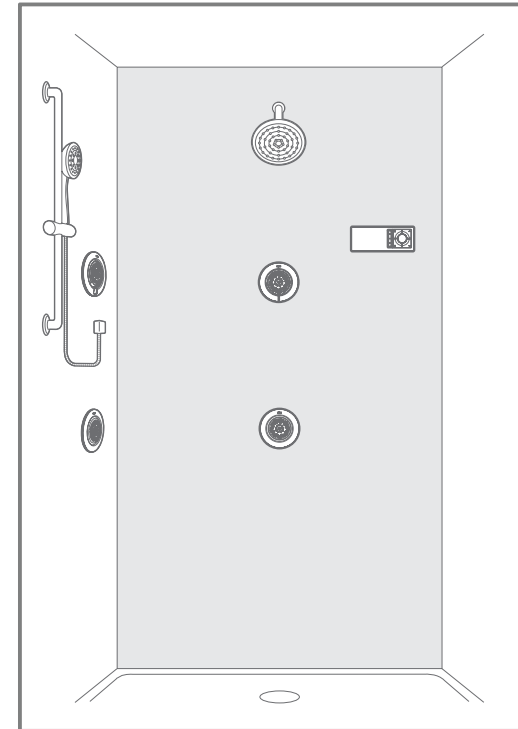
The Ultimate Luxury

Maximum water volume. Precise temperature control. Lavish spray coverage – from head to toe. All designed to perform together and to your precise commands. Dream Spas let you dial up an indulgent experience that's perfect for the moment and just right for you.



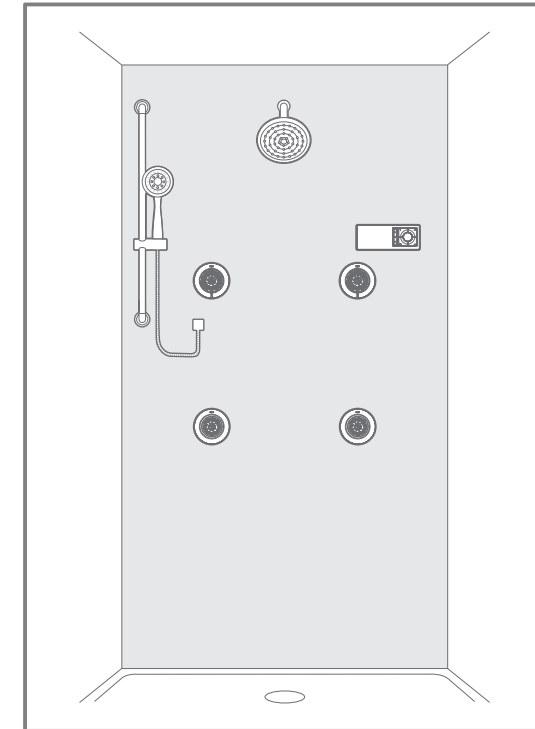


Moen Smart Shower



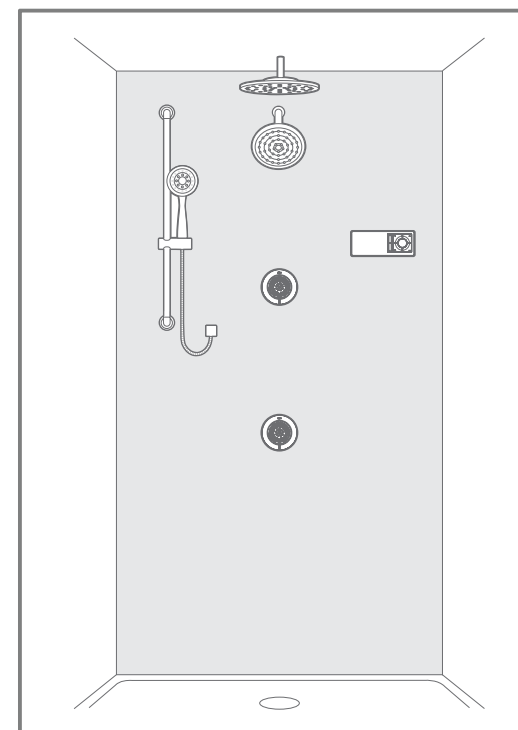
Smart Shower | Dream Spa
CONFIGURATION 01

(Installation diagram on page 18.)



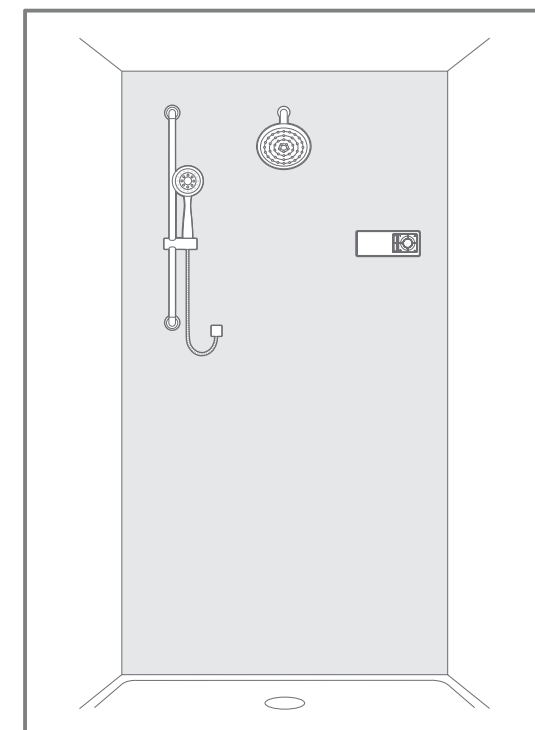
Smart Shower | Dream Spa
CONFIGURATION 02

(Installation diagram on page 19.)



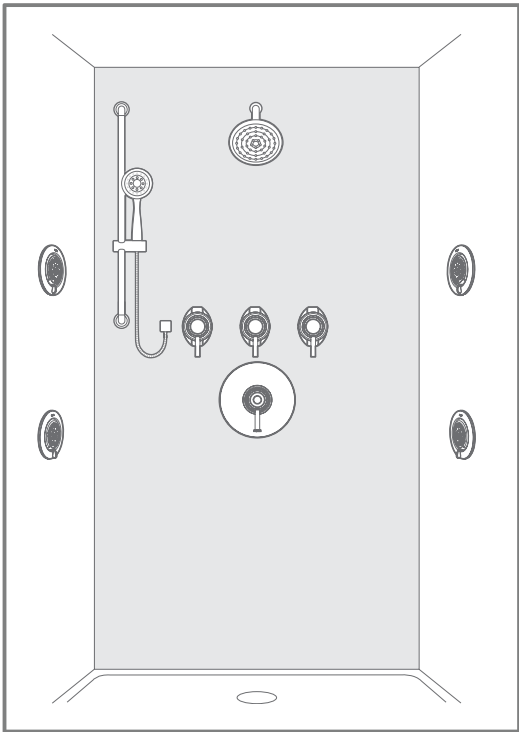
Smart Shower | Dream Spa
CONFIGURATION 03

(Installation diagram on page 20.)



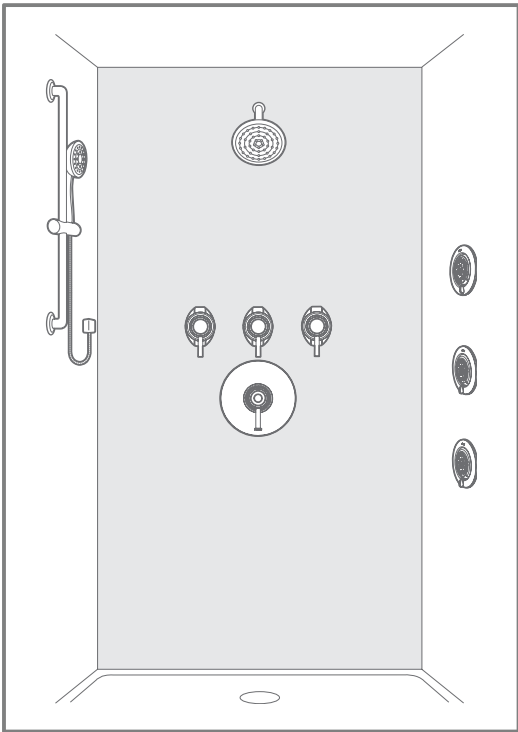
Smart Shower | Dream Spa
CONFIGURATION 04

(Installation diagram on page 21.)



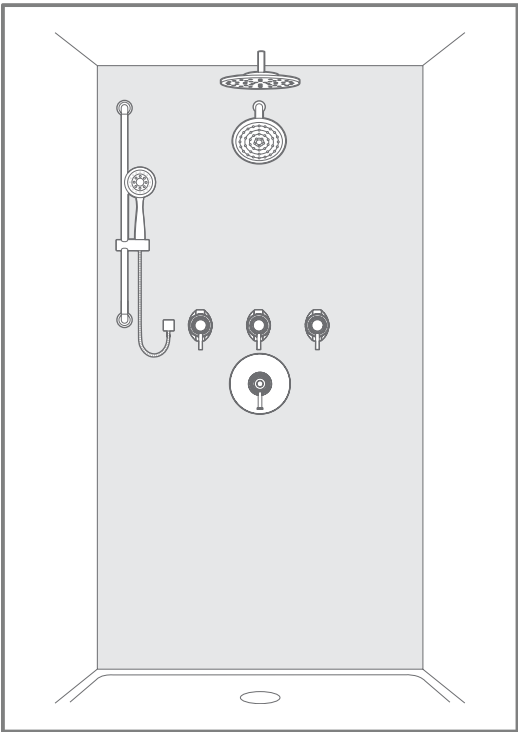
ExactTemp | Dream Spa
CONFIGURATION 05

(Installation diagram on page 22.)



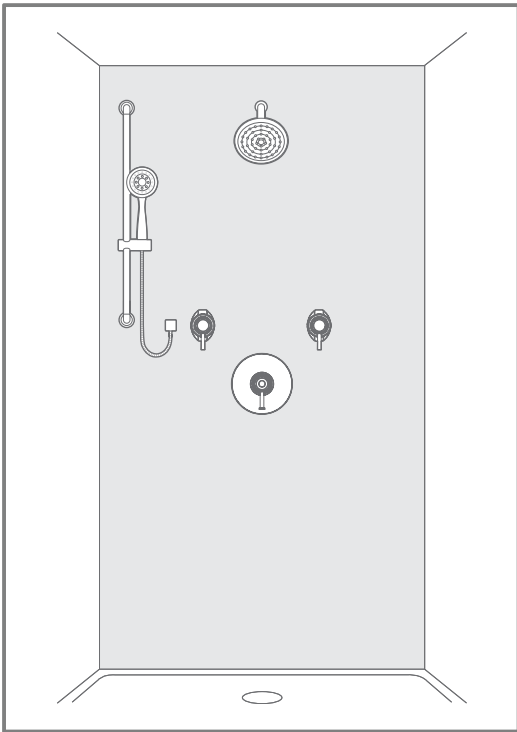
ExactTemp | Dream Spa
CONFIGURATION 06

(Installation diagram on page 23.)



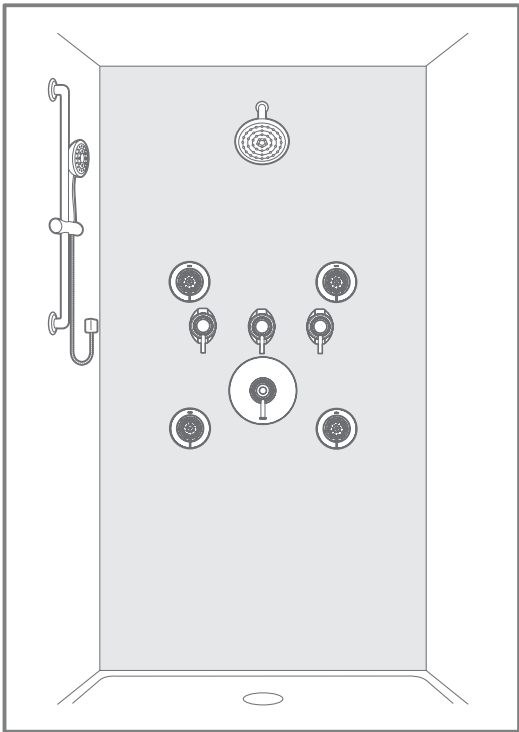
ExactTemp | Dream Spa
CONFIGURATION 09

(Installation diagram on page 26.)



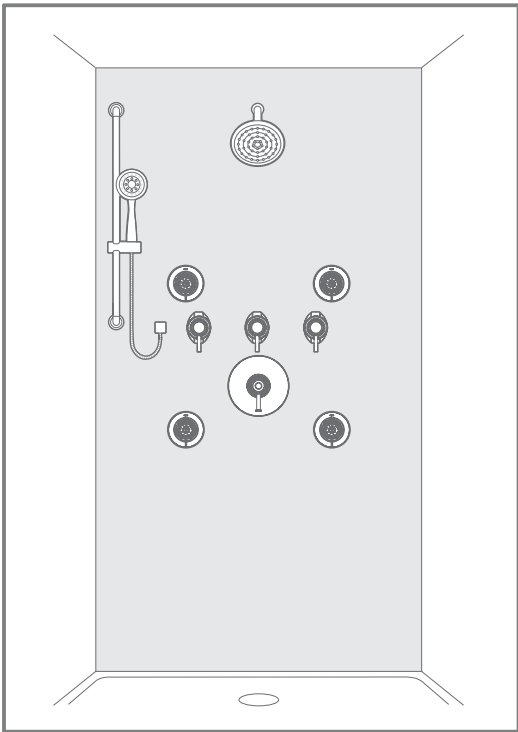
ExactTemp | Dream Spa
CONFIGURATION 10

(Installation diagram on page 27.)



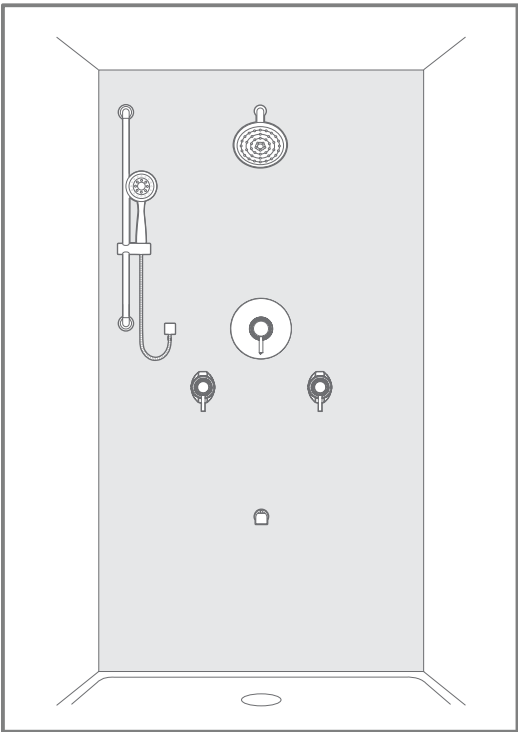
ExactTemp | Dream Spa
CONFIGURATION 07

(Installation diagram on page 24.)



ExactTemp | Dream Spa
CONFIGURATION 08

(Installation diagram on page 25.)



ExactTemp | Dream Spa
CONFIGURATION 11

(Installation diagram on page 28.)

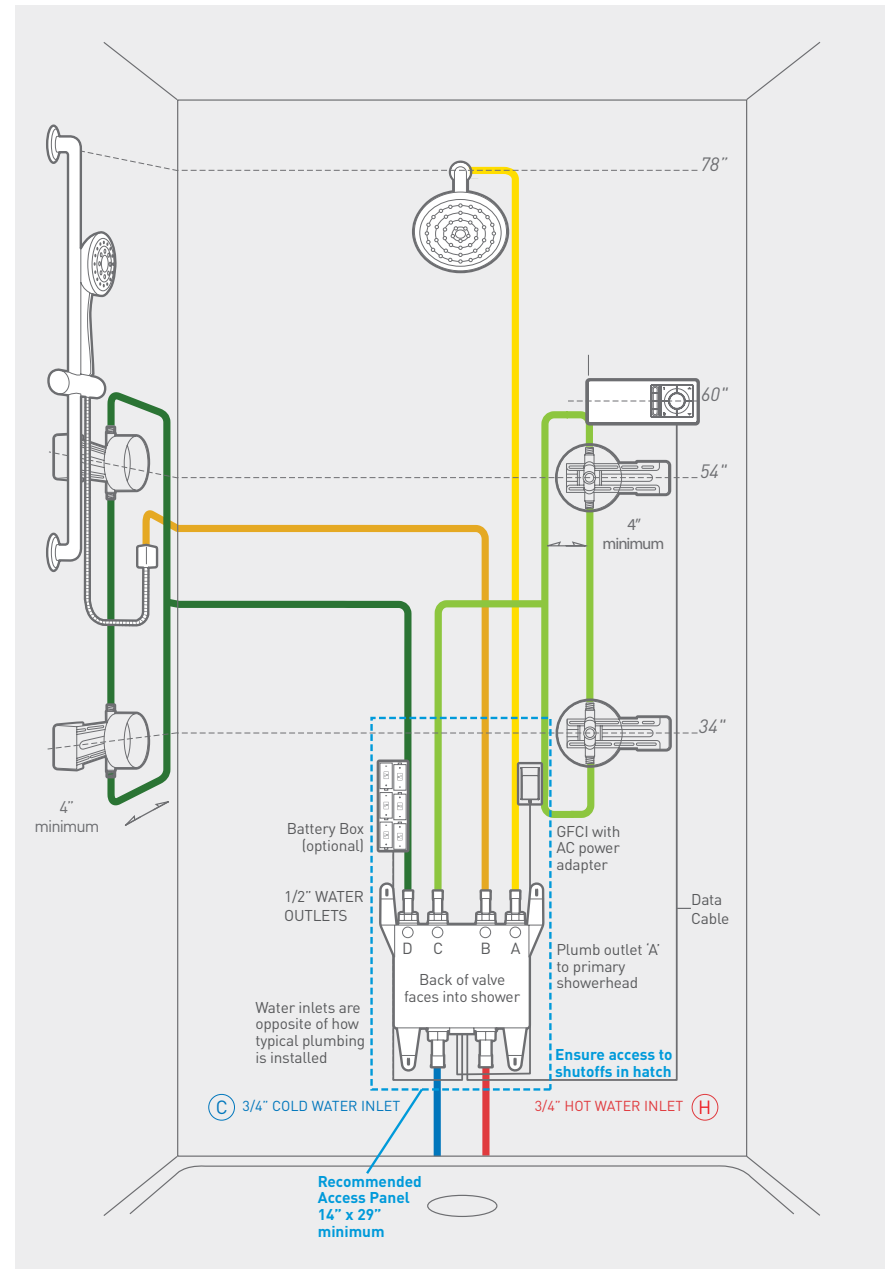
Moen Smart Shower ||| Dream Spa

CONFIGURATION 01

Smart Shower 4-Outlet Valve

Four Showering Devices Two Walls

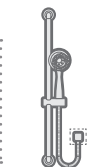
- * Valve can be mounted up to 30 feet from controller and up to 6 feet from GFCI outlet
- * Valve and GFCI outlet must be accessible after install; they cannot be completely sealed behind a wall
- * Controller requires an 8 $\frac{1}{16}$ " x 3 $\frac{3}{8}$ " space within the shower
- * Outlet A is the primary outlet; this outlet should operate the primary showerhead
- * Moen handshowers come with an integrated double check valve to prevent back-siphon
- * Body sprays require a pressure-balancing loop to allow for an equal supply of water to each body spray (maximum of three body sprays on one outlet)
- * Two body sprays may be operated as one function
- * Shower can be operated and personalized remotely with the smartphone app, which is available for Apple iOS and Android



Shower spa trim is compatible with the
M•PACT® Common Valve System.



Showerhead,
Arm and Flange



Handshower,
Drop Ell sold
separately



Multifunction
Body Spray
(x2)



Single-Function
Body Spray (x2)



Smart Shower 4-Outlet Controller

All vertical dimensions measured from the floor. Dimensions listed are suggested.
Refer to specification sheet for critical dimensions for installation.

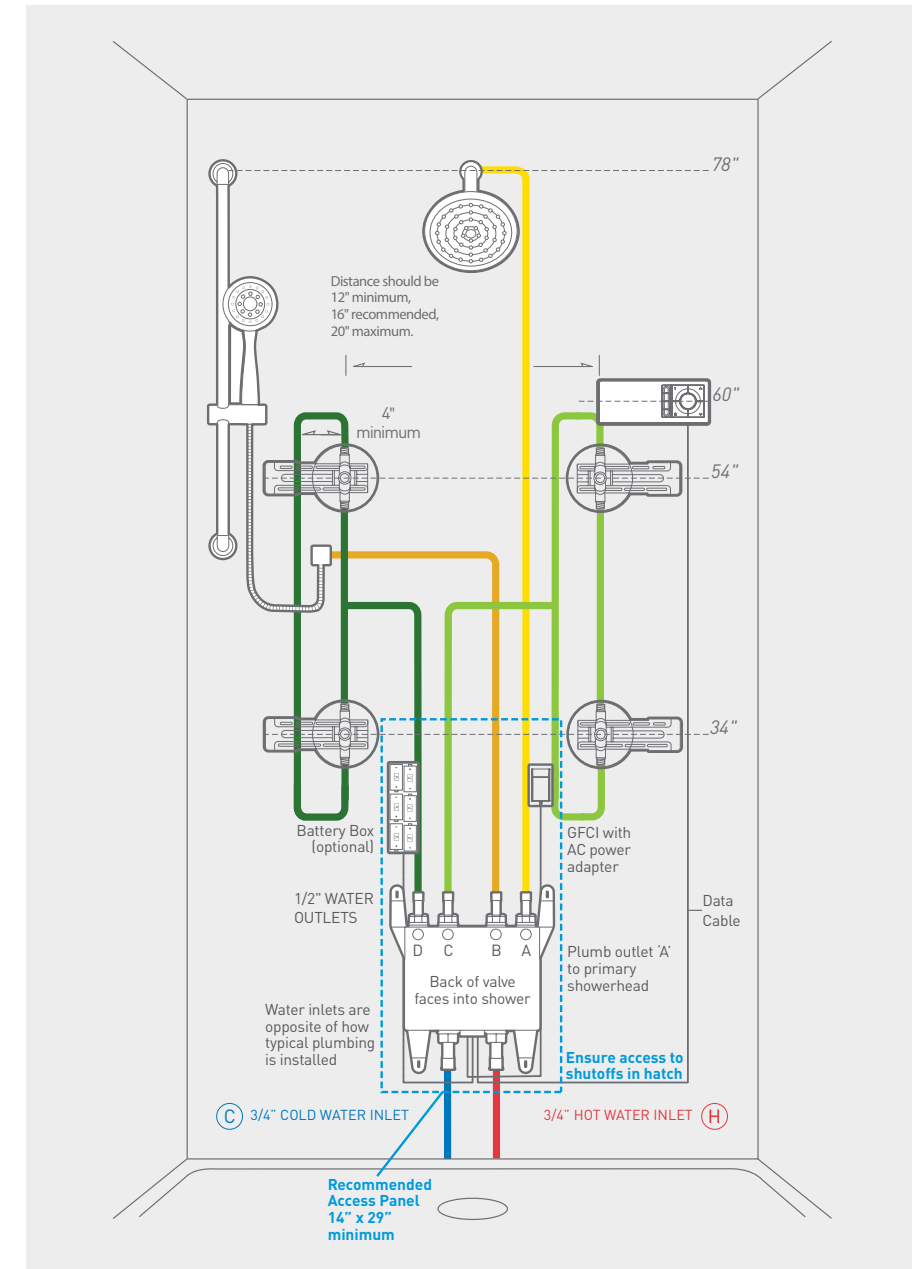
Moen Smart Shower ||| Dream Spa

CONFIGURATION 02

Smart Shower 4-Outlet Valve

Four Showering Devices One Wall

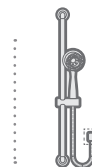
- * Valve can be mounted up to 30 feet from controller and up to 6 feet from GFCI outlet
- * Valve and GFCI outlet must be accessible after install; they cannot be completely sealed behind a wall
- * Controller requires an 8 $\frac{1}{16}$ " x 3 $\frac{3}{8}$ " space within the shower
- * Outlet A is the primary outlet; this outlet should operate the primary showerhead
- * Moen handshowers come with an integrated double check valve to prevent back-siphon
- * Body sprays require a pressure-balancing loop to allow for an equal supply of water to each body spray (maximum of three body sprays on one outlet)
- * Two body sprays may be operated as one function
- * Shower can be operated and personalized remotely with the smartphone app, which is available for Apple iOS and Android



Shower spa trim is compatible with the M•PACT® Common Valve System.



Showerhead,
Arm and Flange



Handshow
Drop Ell so
separately



Multifunctional Body Spray (x2)



Single-Function
Body Spray (x2)



Smart Shower 4-Outlet Controller

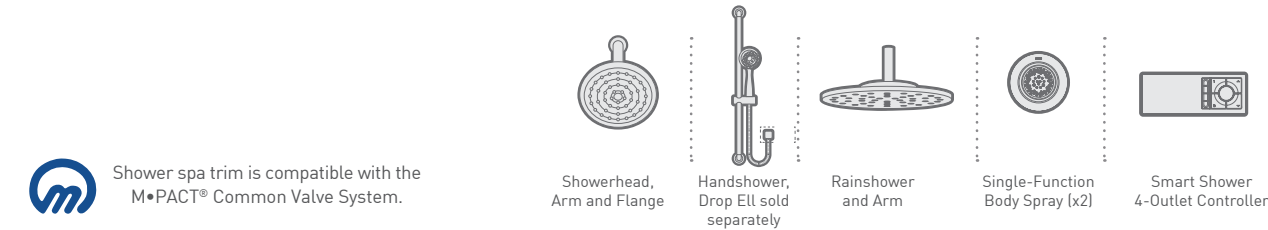
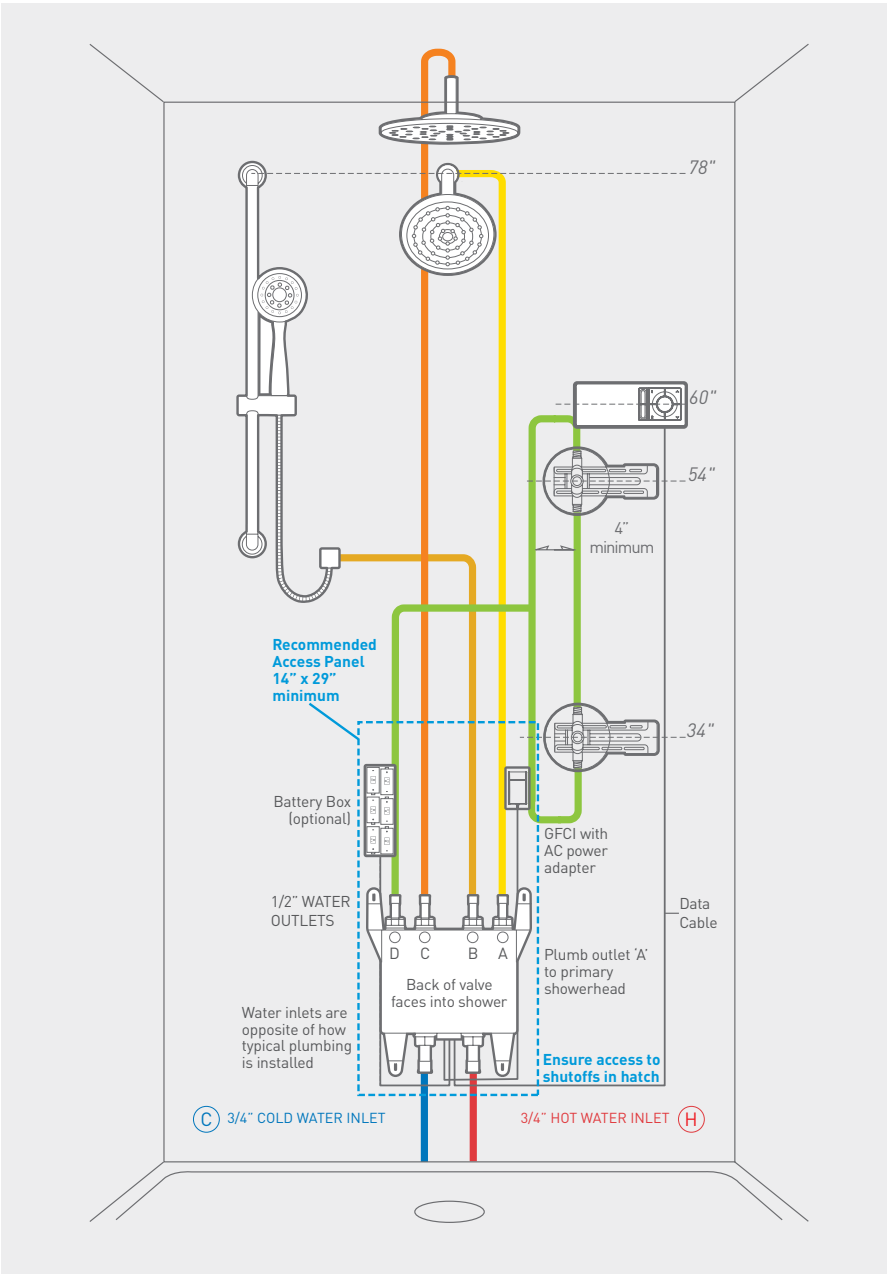
All vertical dimensions measured from the floor. Dimensions listed are suggested.
Refer to specification sheet for critical dimensions for installation.

Moen Smart Shower | Dream Spa

CONFIGURATION 03

Smart Shower 4-Outlet Valve
Four Showering Devices One Wall and Ceiling

- * Valve can be mounted up to 30 feet from controller and up to 6 feet from GFCI outlet
- * Valve and GFCI outlet must be accessible after install; they cannot be completely sealed behind a wall
- * Controller requires an 8 1/16" x 3 3/8" space within the shower
- * Outlet A is the primary outlet; this outlet should operate the primary showerhead
- * Ceiling-mounted rainshower
- * Moen handshowers come with an integrated double check valve to prevent back-siphon
- * Body sprays require a pressure-balancing loop to allow for an equal supply of water to each body spray (maximum of three body sprays on one outlet)
- * Two body sprays may be operated as one function
- * Shower can be operated and personalized remotely with the smartphone app, which is available for Apple iOS and Android



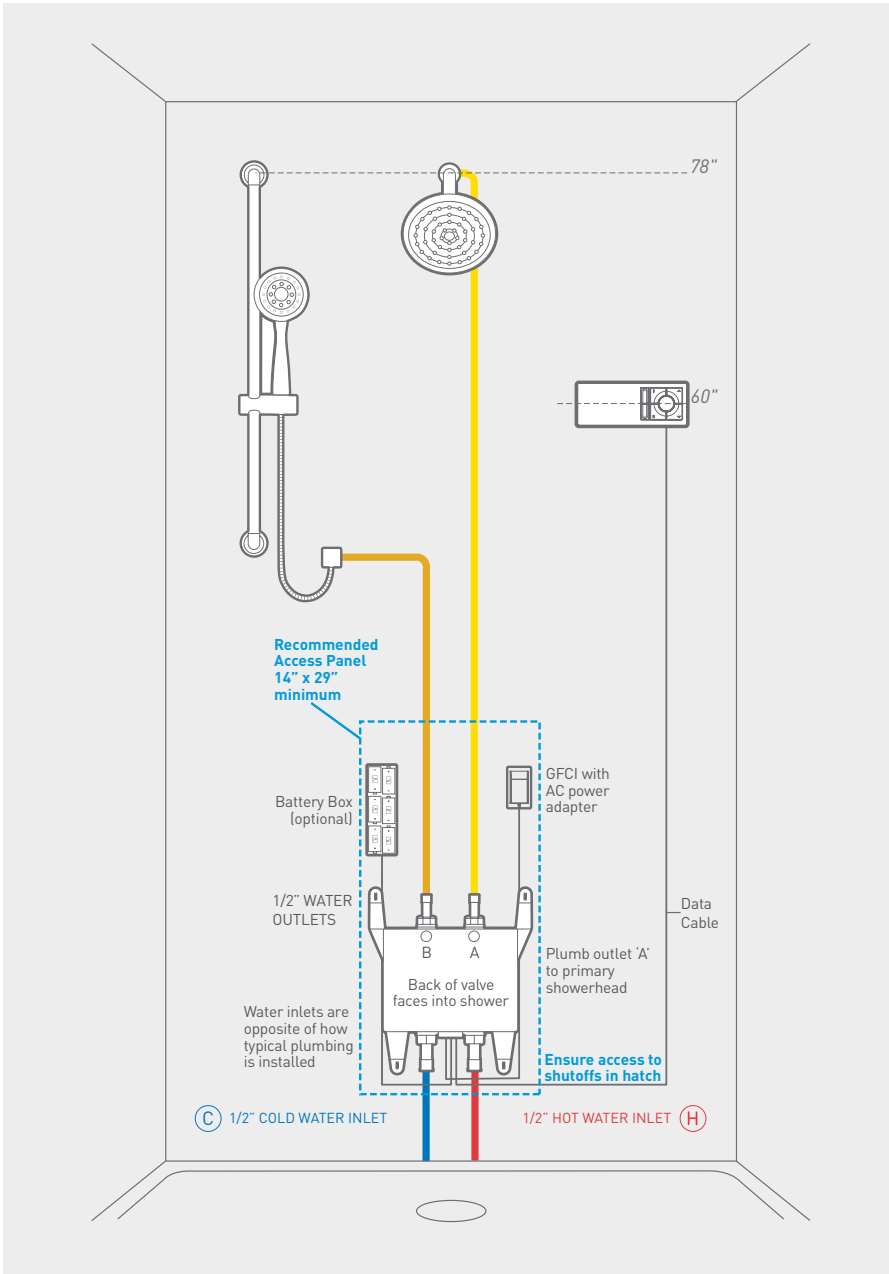
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

Moen Smart Shower | Dream Spa

CONFIGURATION 04

Smart Shower 2-Outlet Valve
Two Showering Devices One Wall

- * Valve can be mounted up to 30 feet from controller and up to 6 feet from GFCI outlet
- * Valve and GFCI outlet must be accessible after install; they cannot be completely sealed behind a wall
- * Controller requires an 8 1/16" x 3 3/8" space within the shower
- * Outlet A is the primary outlet; this outlet should operate the primary showerhead
- * Moen handshowers come with an integrated double check valve to prevent back-siphon
- * Shower can be operated and personalized remotely with the smartphone app, which is available for Apple iOS and Android



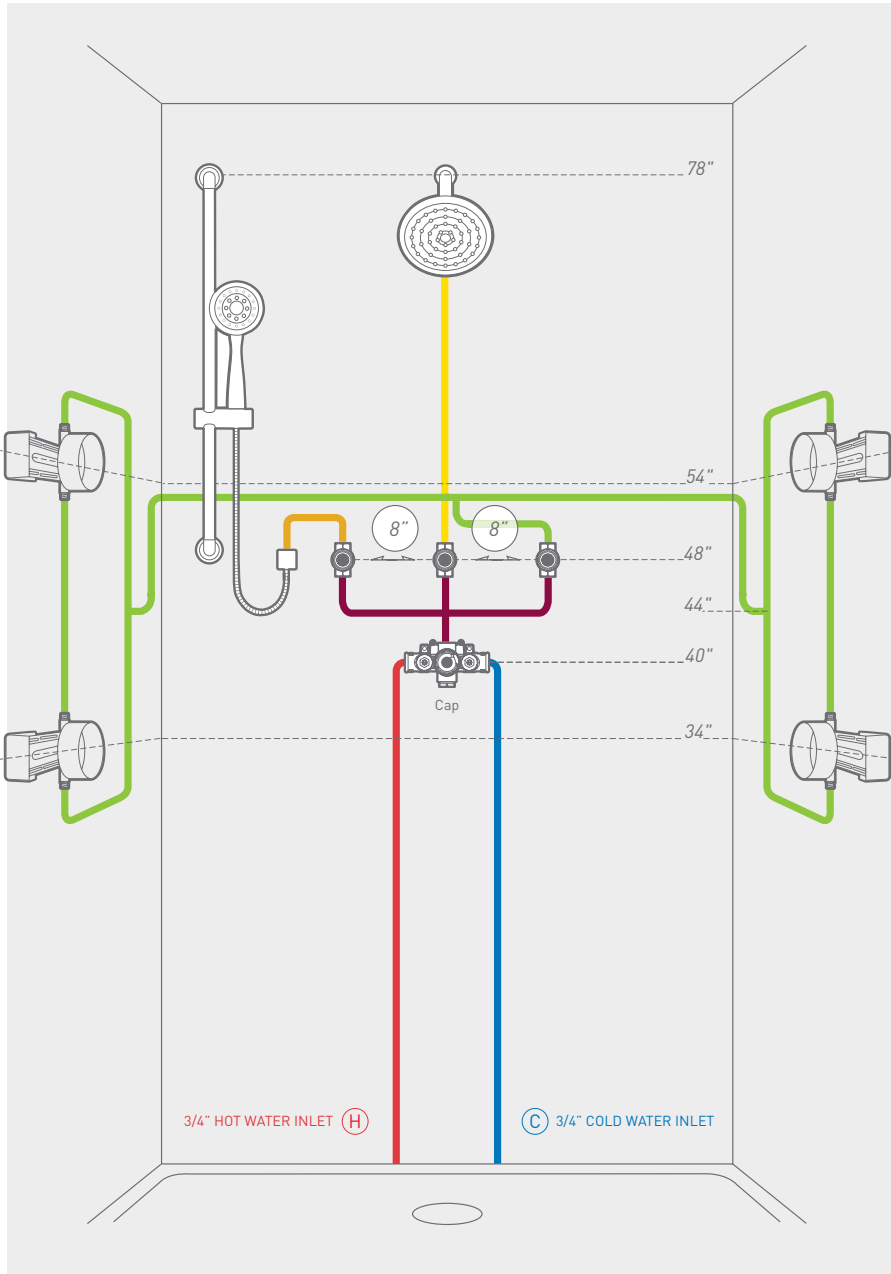
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.


ExactTemp® | Dream Spa

CONFIGURATION 05


ExactTemp 3/4" Mixing and Volume Control Valves
Three Showering Devices Three Walls

- * Always use included plug for tub port when using ExactTemp 3/4" valve (S3371) in a shower spa configuration
- * Arrow on 3/4" volume control valve (S3600) should always point in direction of flow
- * Primary showerhead
- * Moen handshowers come with an integrated double check valve to prevent back-siphon
- * Body sprays require a pressure-balancing loop to allow for an equal supply of water to each body spray (maximum of four body sprays on one volume control valve)

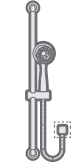





Shower spa trim is compatible with the M•PACT® Common Valve System.




Showerhead, Arm and Flange




Handshower, Drop Ell sold separately



Multifunction Body Spray (x4)



Volume Control Trim (x3)



ExactTemp Valve

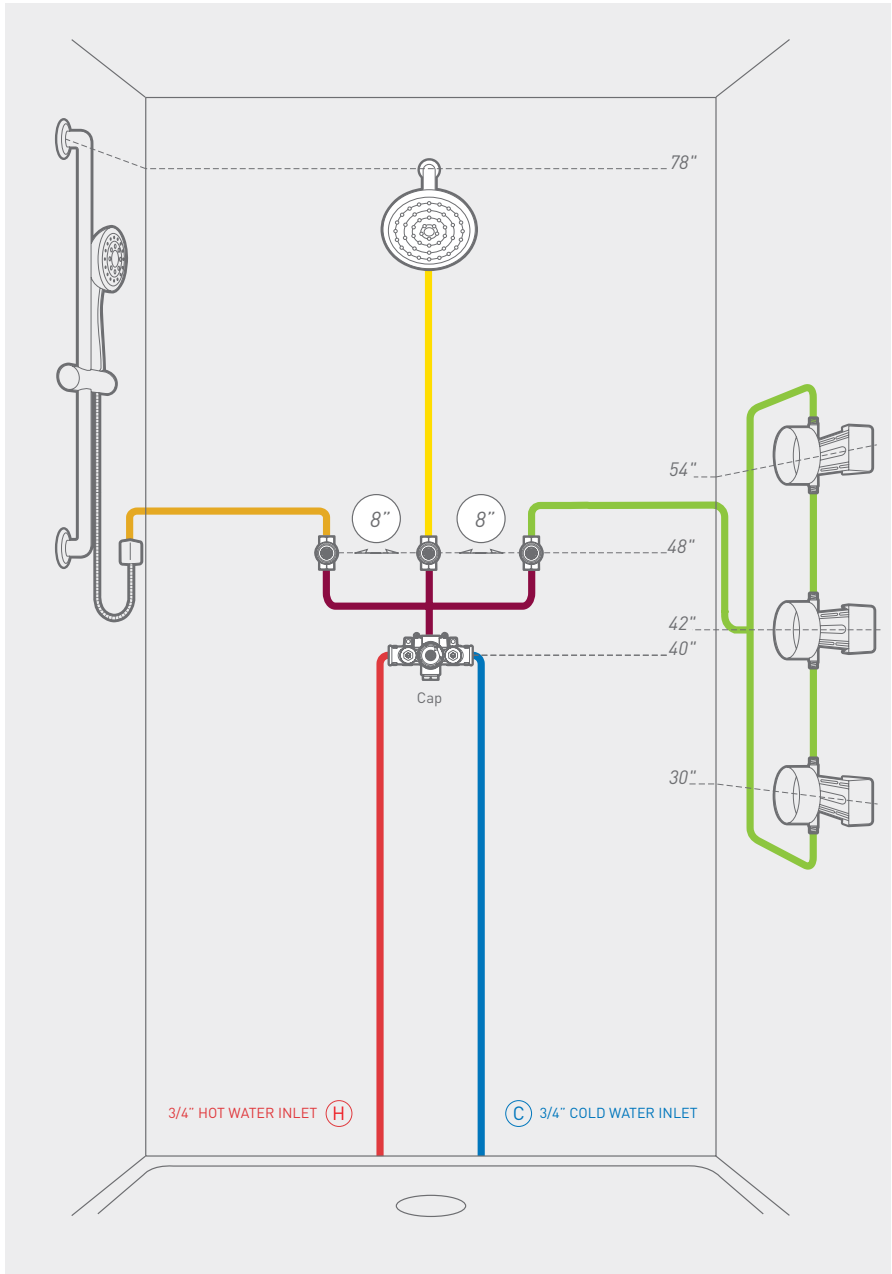
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.


ExactTemp® | Dream Spa

CONFIGURATION 06


ExactTemp 3/4" Mixing and Volume Control Valves
Three Showering Devices Three Walls

- * Always use included plug for tub port when using ExactTemp 3/4" valve (S3371) in a shower spa configuration
- * Arrow on 3/4" volume control valve (S3600) should always point in direction of flow
- * Primary showerhead
- * Moen handshowers come with an integrated double check valve to prevent back-siphon
- * Body sprays require a pressure-balancing loop to allow for equal supply of water to each body spray (maximum of four body sprays on one volume control valve)

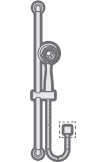





Shower spa trim is compatible with the M•PACT® Common Valve System.




Showerhead, Arm and Flange




Handshower, Drop Ell sold separately



Multifunction Body Spray (x3)



Volume Control Trim (x3)



ExactTemp Valve

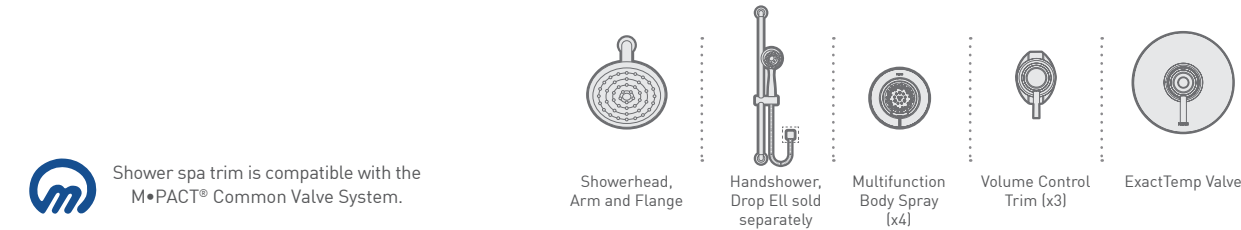
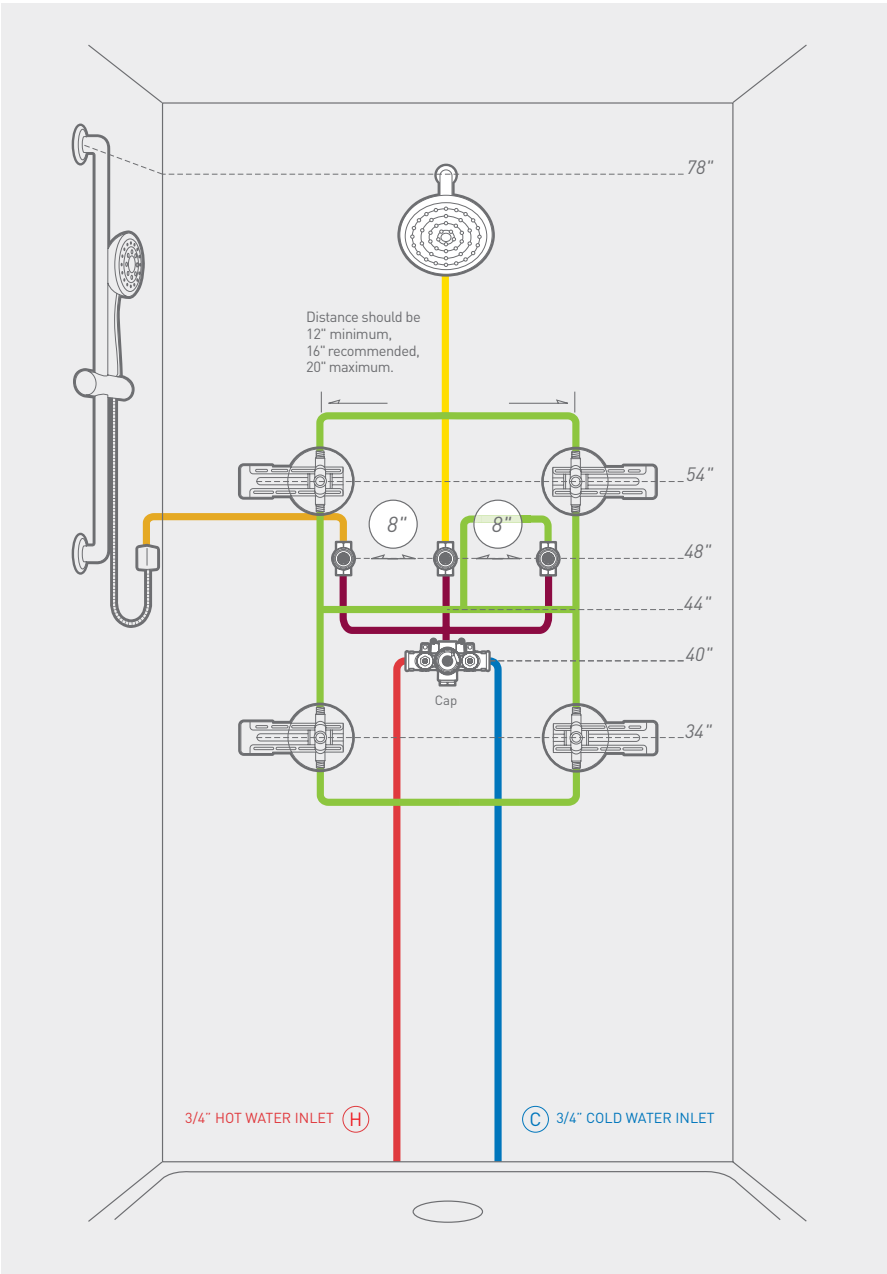
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

ExactTemp® | Dream Spa

CONFIGURATION 07

ExactTemp 3/4" Mixing and Volume Control Valves
Three Showering Devices Two Walls

- * Always use included plug for tub port when using ExactTemp 3/4" valve (S3371) in a shower spa configuration
- * Arrow on 3/4" volume control valve (S3600) should always point in direction of flow
- * Primary showerhead
- * Moen handshowers come with an integrated double check valve to prevent back-siphon
- * Body sprays require a pressure-balancing loop to allow for an equal supply of water to each body spray (maximum of four body sprays on one volume control valve)



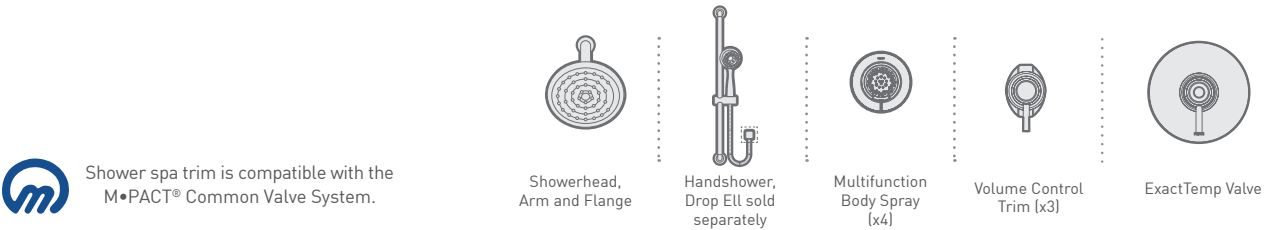
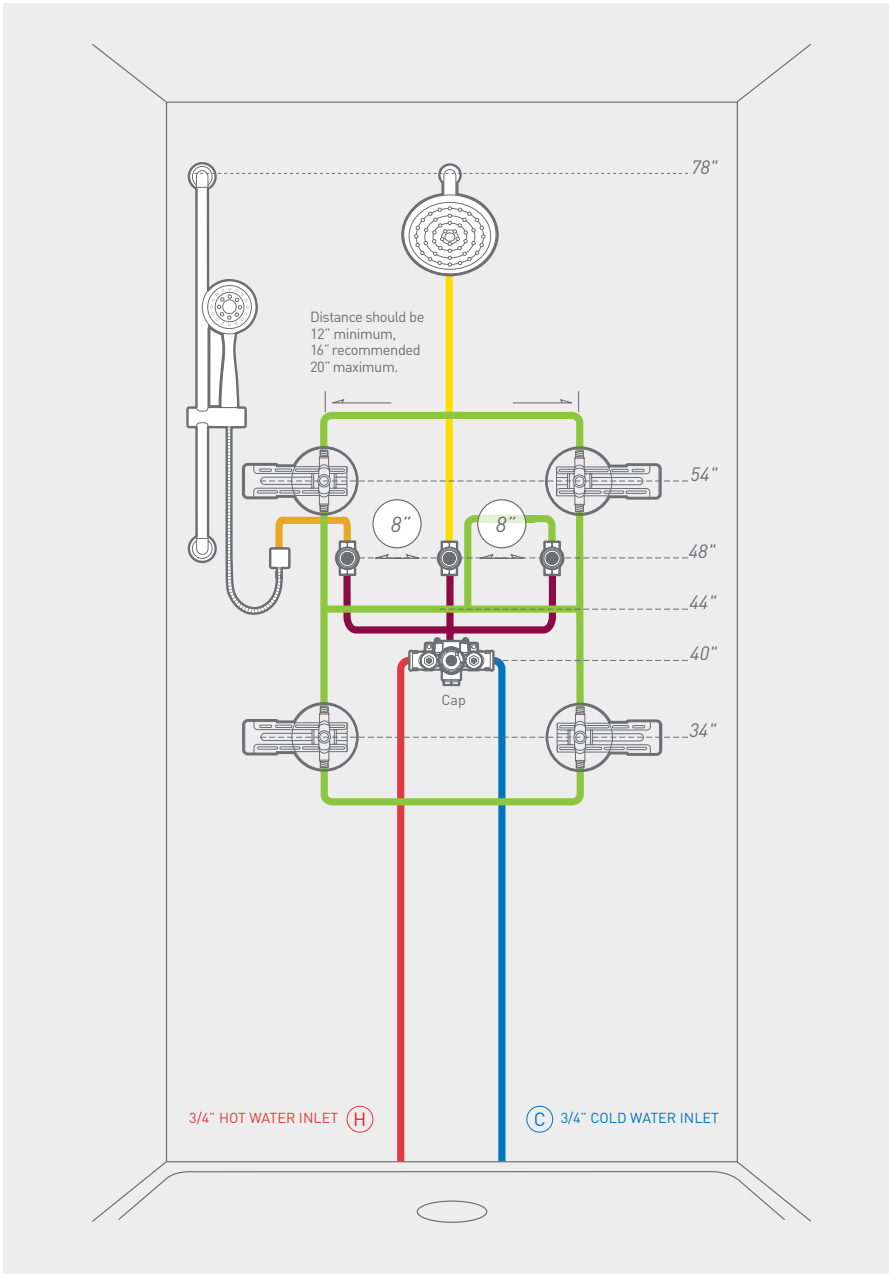
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

ExactTemp® | Dream Spa

CONFIGURATION 08

ExactTemp 3/4" Mixing and Volume Control Valves
Three Showering Devices One Wall

- * Always use included plug for tub port when using ExactTemp 3/4" valve (S3371) in a shower spa configuration
- * Arrow on 3/4" volume control valve (S3600) should always point in direction of flow
- * Primary showerhead
- * Moen handshowers come with an integrated double check valve to prevent back-siphon
- * Body sprays require a pressure-balancing loop to allow for an equal supply of water to each body spray (maximum of four body sprays on one volume control valve)



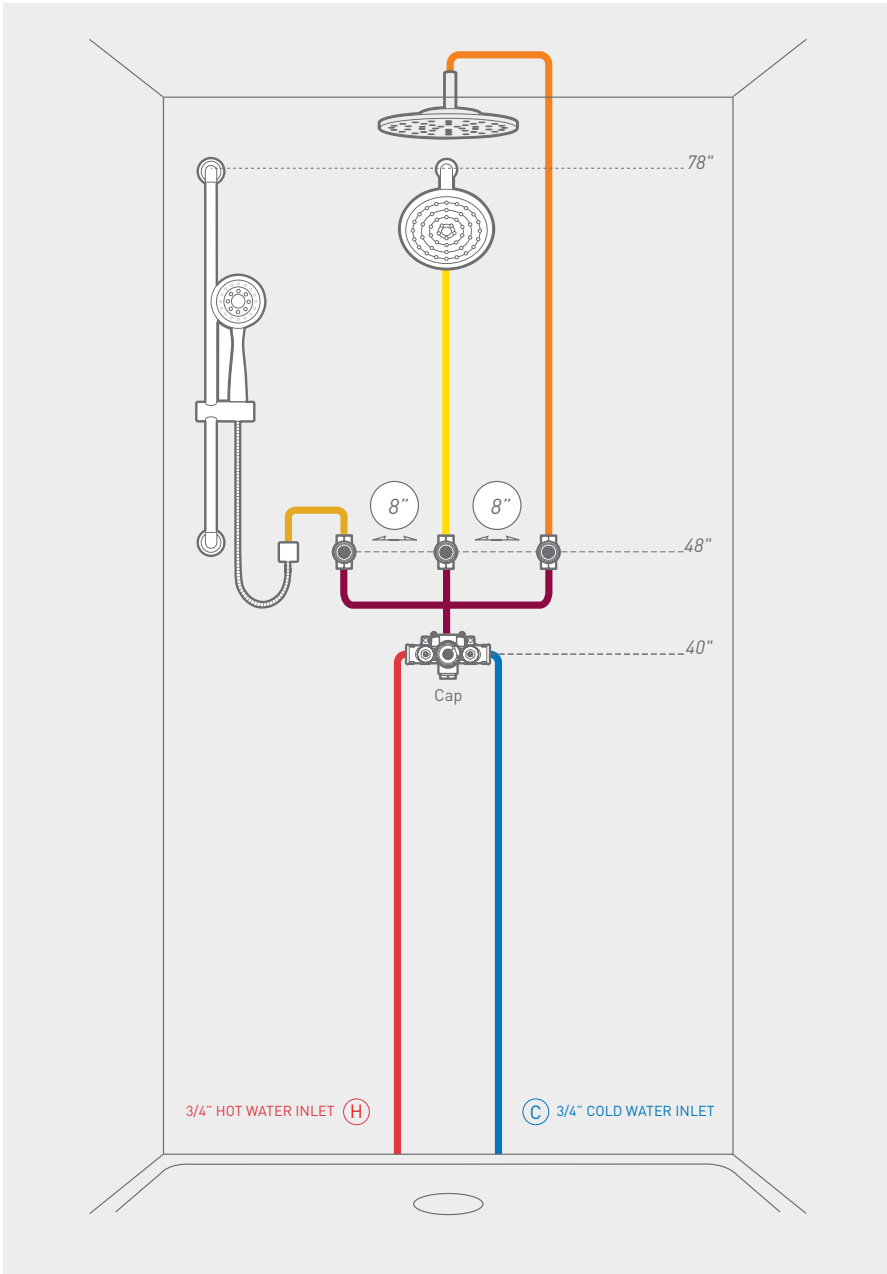
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.


ExactTemp® | Dream Spa

CONFIGURATION 09


ExactTemp 3/4" Mixing and Volume Control Valves
Three Showering Devices One Wall and Ceiling

- * Always use included plug for tub port when using ExactTemp 3/4" valve (S3371) in a shower spa configuration
- * Arrow on 3/4" volume control valve (S3600) should always point in direction of flow
- * Primary showerhead
- * Ceiling-mounted rainshower
- * Moen handshowers come with an integrated double check valve to prevent back-siphon

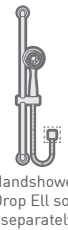





Shower spa trim is compatible with the M•PACT® Common Valve System.




Showerhead, Arm and Flange




Handshower, Drop Ell sold separately



Rainshower, Arm and Flange



Volume Control Trim (x3)



ExactTemp Valve

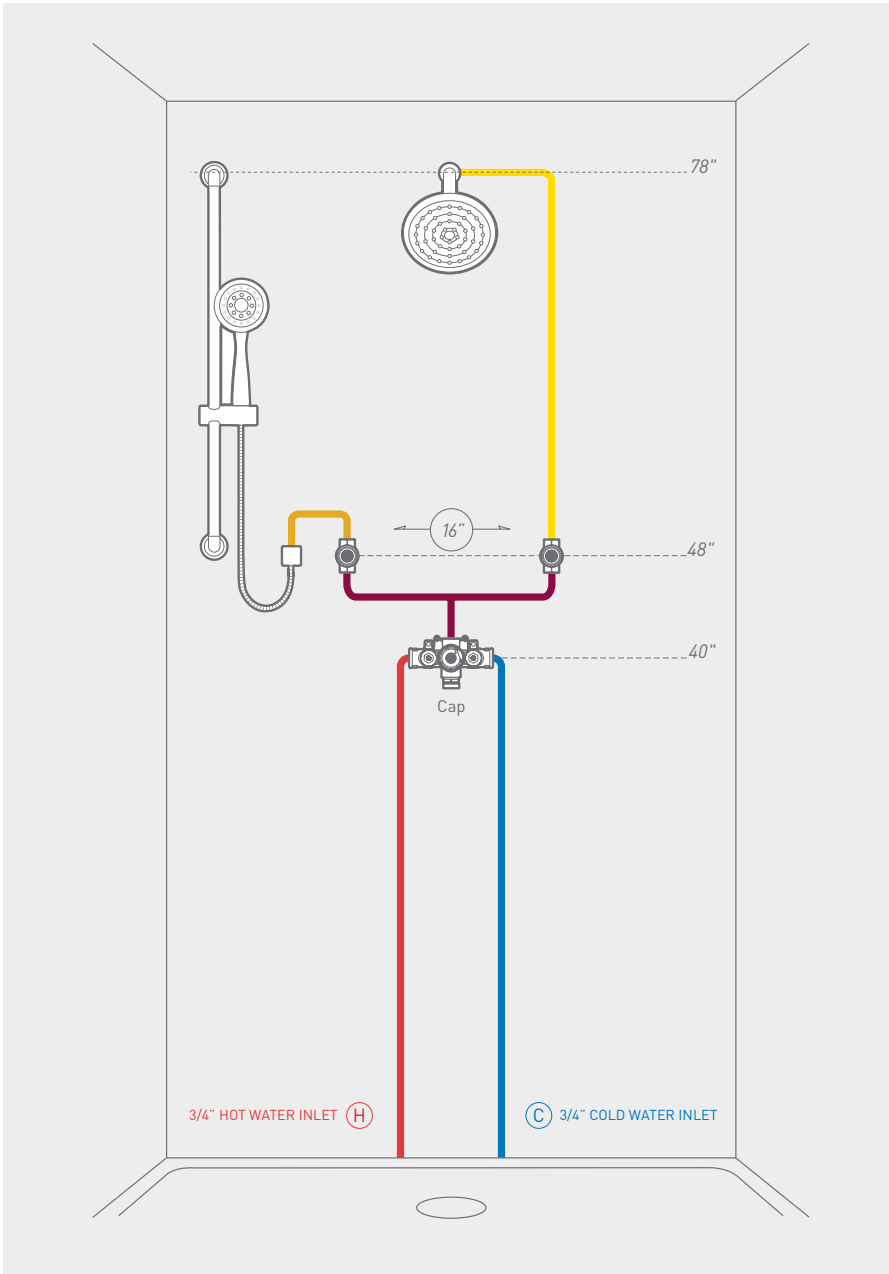
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

ExactTemp® | Dream Spa

CONFIGURATION 10

ExactTemp 3/4" Mixing and Volume Control Valves
Two Showering Devices One Wall

- * Always use included plug for tub port when using ExactTemp 3/4" valve (S3371) in a shower spa configuration
- * Arrow on 3/4" volume control valve (S3600) should always point in direction of flow
- * Primary showerhead
- * Moen handshowers come with an integrated double check valve to prevent back-siphon





Shower spa trim is compatible with the M•PACT® Common Valve System.



Showerhead, Arm and Flange



Handshower, Drop Ell sold separately



Volume Control Trim (x2)



ExactTemp Valve

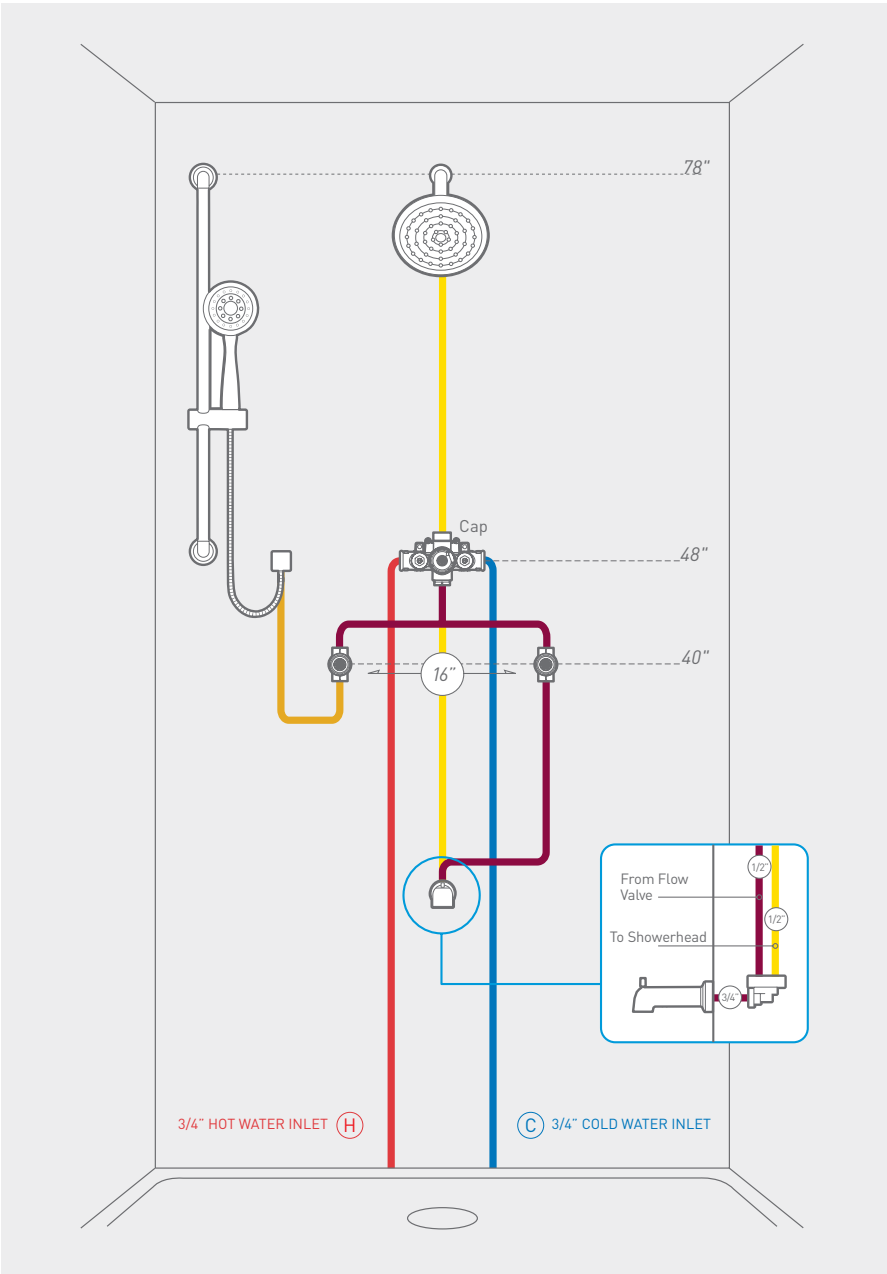
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.


ExactTemp® | Dream Spa

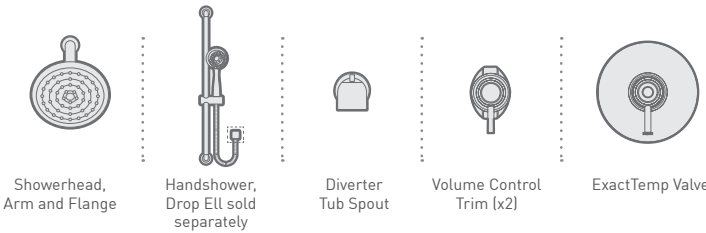
CONFIGURATION 11

ExactTemp 3/4" Mixing and Volume Control Valves Two Showering Devices and Diverter Tub Spout One Wall

- * Always use included plug for tub port when using ExactTemp 3/4" valve (S3371) in a shower spa configuration
- * Arrow on 3/4" volume control valve (S3600) should always point in direction of flow
- * Primary showerhead
- * Moen handshowers come with an integrated double check valve to prevent back-siphon
- * Diverter tub spout
 - When using a diverter tub spout with a 3/4" volume control valve (S3600), plumb the valve outlet to the twin ell, front-vertical inlet
 - Plumb the twin ell, rear-vertical outlet to the showerhead
 - Plumb the twin ell, front-horizontal outlet to the tub spout



 Shower spa trim is compatible with the M•PACT® Common Valve System.



NOTE: This configuration is intended for use with a diverter tub spout.

All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.



Moen Smart Shower controller (TS3304BL), rainshower (S112WR), handshower slidebar (3558BL), drop ell (A725WR), multifunction pivoting body spray (TS1422BL)

SHOWER SPAS

Water, Your Way

Relaxing or invigorating. Surrounded by spray or focused on that one specific spot. Shower Spas open up your options and transform your everyday shower into a more personalized retreat.



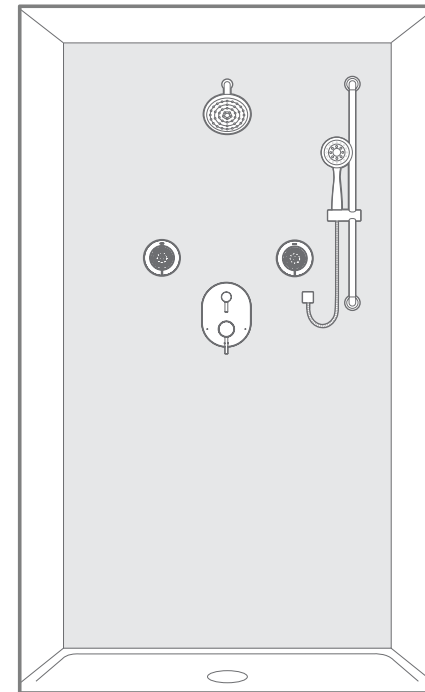
Align® M-CORE® shower integrated transfer valve (UT3290BL), showerhead (S176BL), handshower/slidebar (3887EPBL), drop ell (A725WR)



Genta™ LX Posi-Temp® shower only (T2472EPBN), M-CORE® transfer valve (UT2401BN), slidebar/handshower (3558EPBN), drop ell (A725BN)

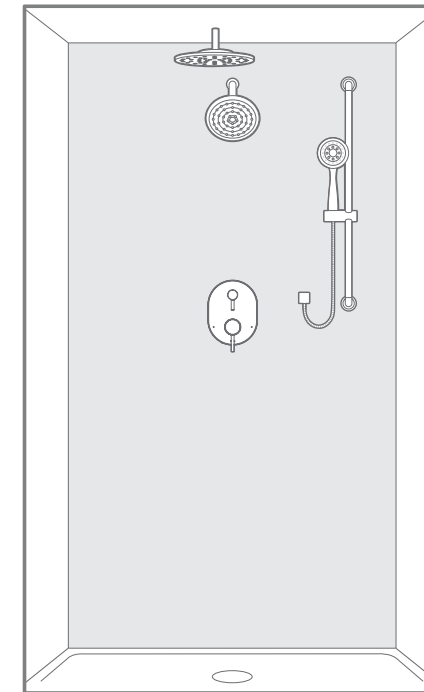


M-CORE® with Integrated Transfer Valve



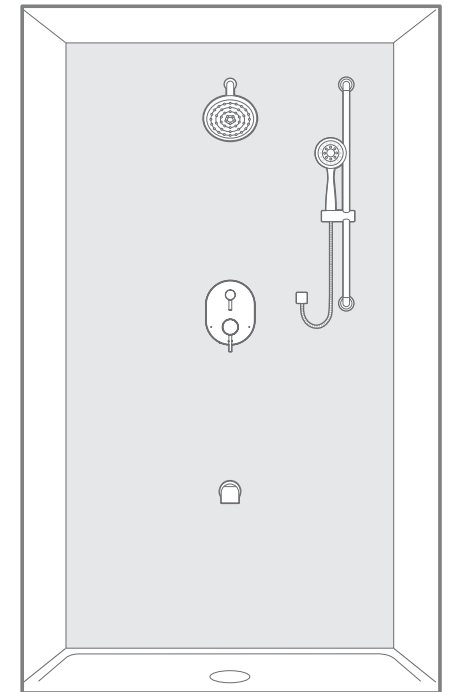
M-CORE | Shower Spa
CONFIGURATION 01

(Installation diagram on page 36.)



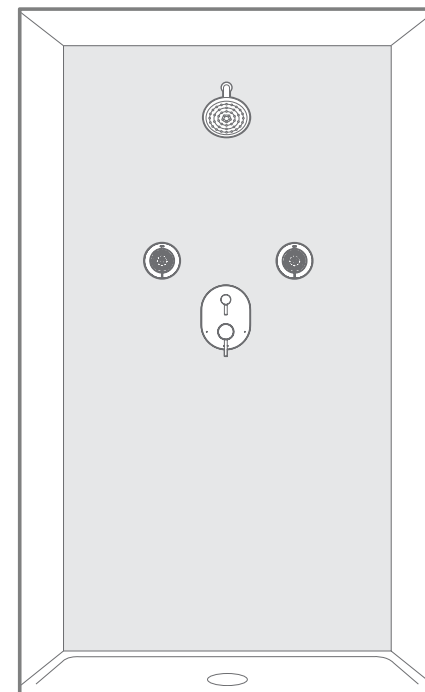
M-CORE | Shower Spa
CONFIGURATION 02

(Installation diagram on page 37.)



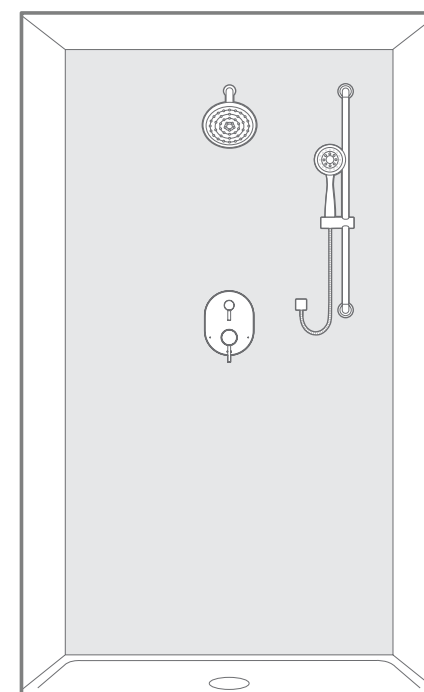
M-CORE | Shower Spa
CONFIGURATION 02A

(Installation diagram on page 38.)



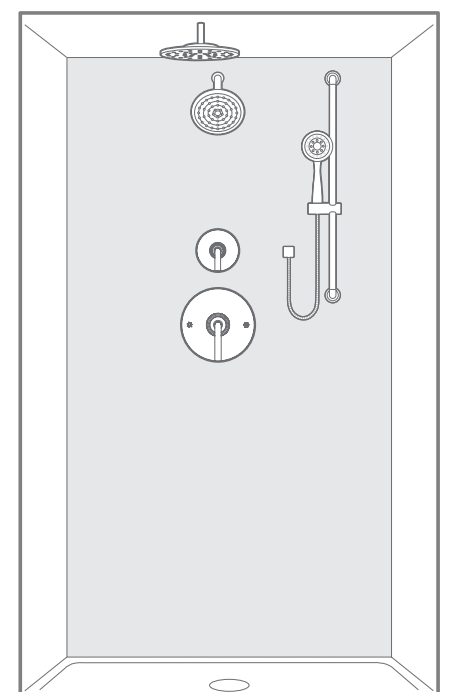
M-CORE | Shower Spa
CONFIGURATION 03

(Installation diagram on page 39.)



M-CORE | Shower Spa
CONFIGURATION 04

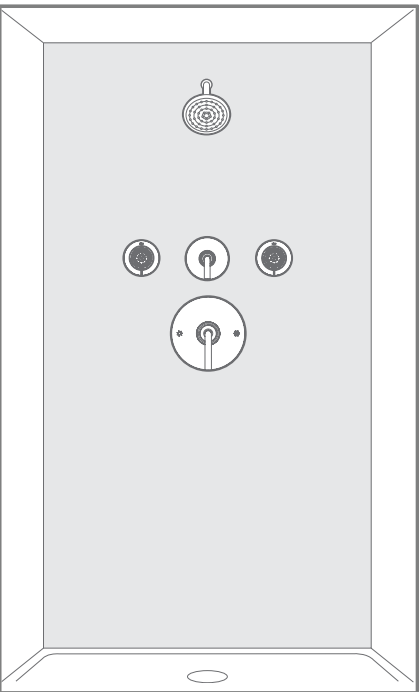
(Installation diagram on page 40.)



M-CORE | Shower Spa
CONFIGURATION 05

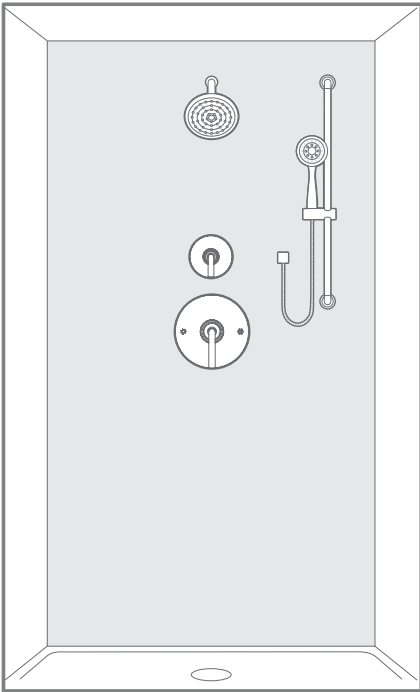
(Installation diagram on page 41.)

M-CORE® + M-CORE Transfer Valve



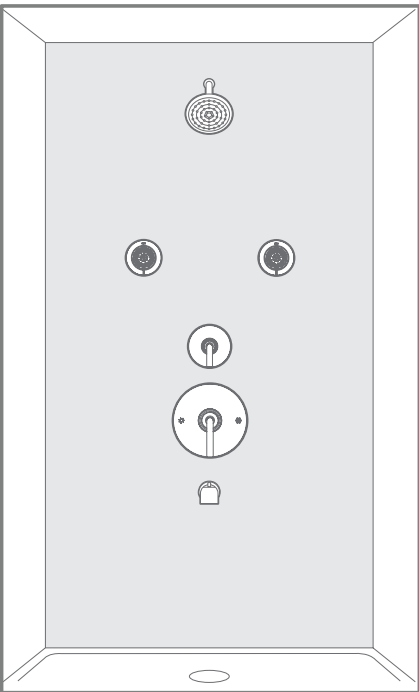
M-CORE | Shower Spa
CONFIGURATION 06

(Installation diagram on page 42.)



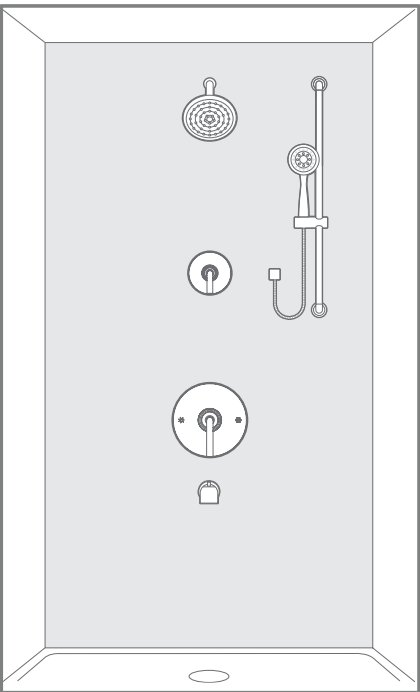
M-CORE | Shower Spa
CONFIGURATION 07

(Installation diagram on page 43.)



M-CORE | Shower Spa
CONFIGURATION 08

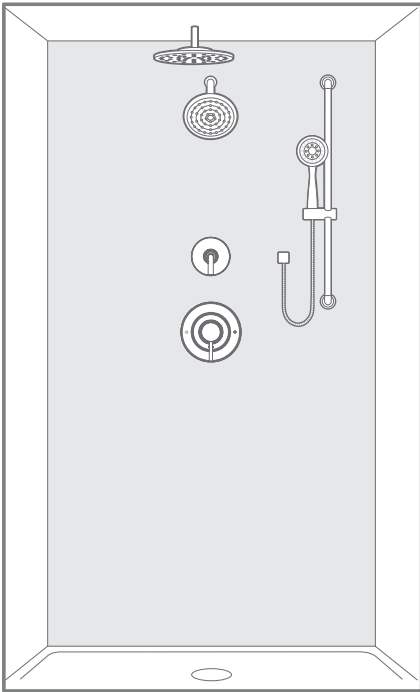
(Installation diagram on page 44.)



M-CORE | Shower Spa
CONFIGURATION 09 & 09A

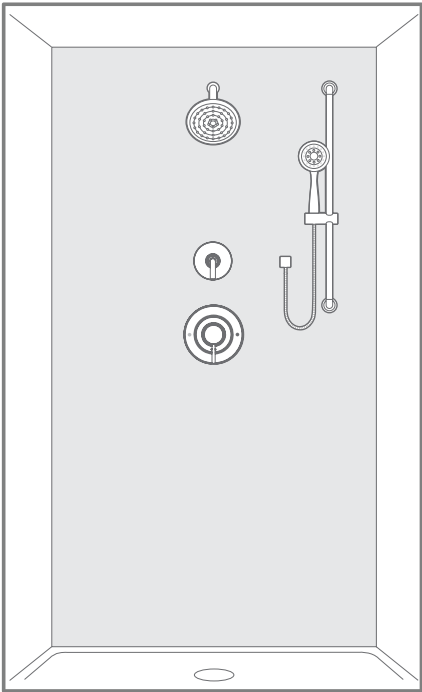
(Installation diagram on pages 45 and 46.)

Posi-Temp® + M-CORE® Transfer Valve



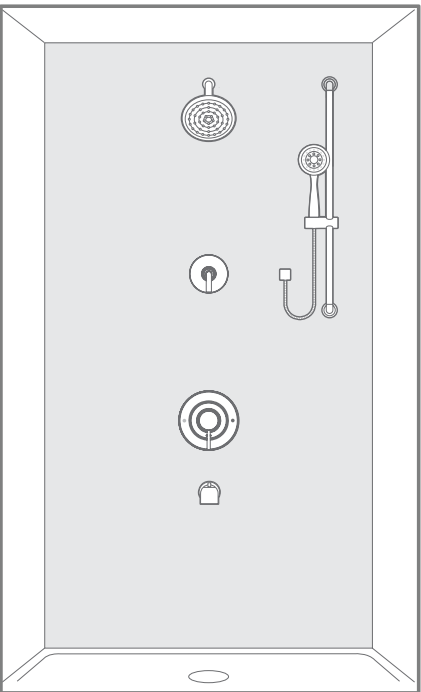
Posi-Temp + M-CORE | Shower Spa
CONFIGURATION 10

(Installation diagram on page 47.)



Posi-Temp + M-CORE | Shower Spa
CONFIGURATION 11

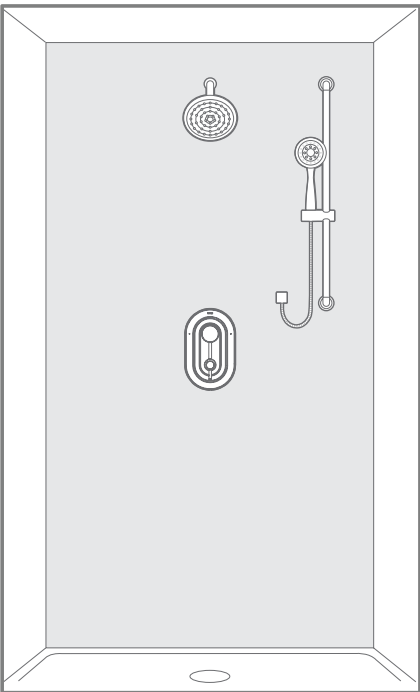
(Installation diagram on page 48.)



Posi-Temp + M-CORE | Shower Spa
CONFIGURATION 12

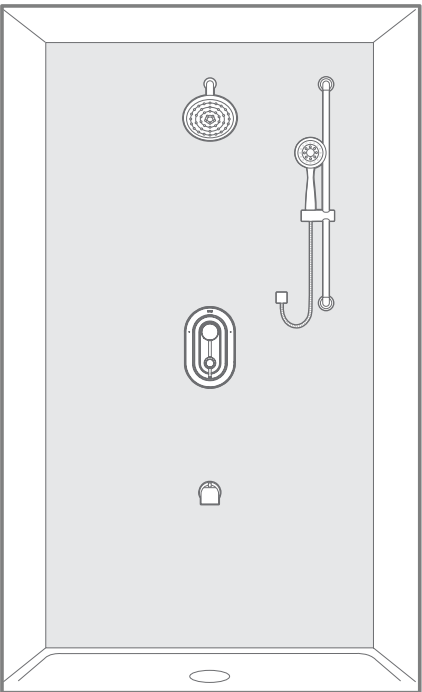
(Installation diagram on page 49.)

Posi-Temp® with Integrated Transfer Valve



Posi-Temp | Shower Spa
CONFIGURATION 13

(Installation diagram on page 50.)



Posi-Temp | Shower Spa
CONFIGURATION 14

(Installation diagram on page 51.)

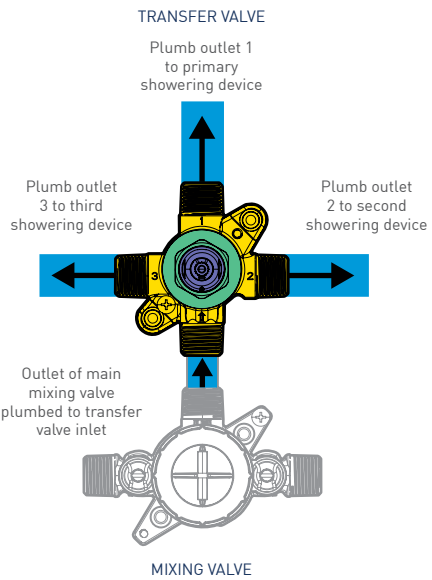
M-CORE® | Shower Spa

CONFIGURATION 01

M-CORE with Integrated Transfer Valve
Three Showering Devices One Wall

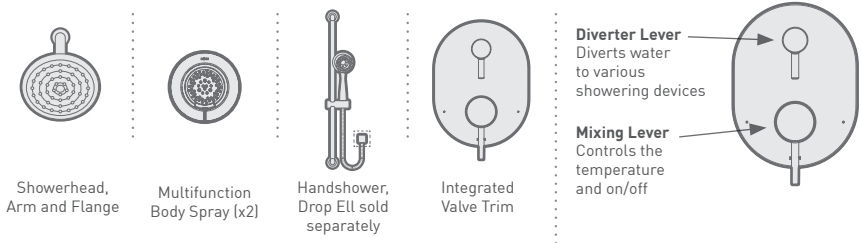
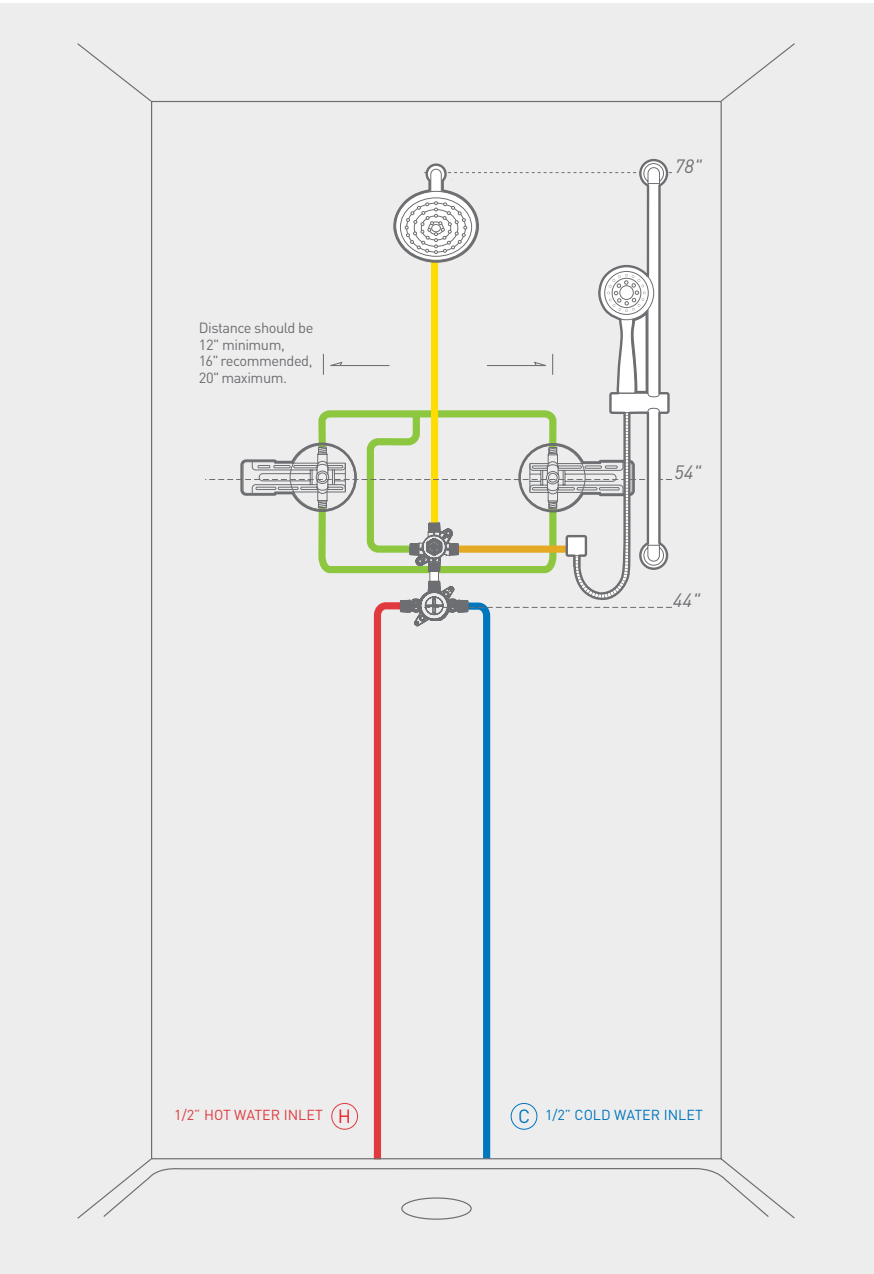
- * Use the M-CORE U232 integrated transfer valve for three independent functions
- * Use the M-CORE U362 integrated transfer valve for three independent/ three shared functions
- * When plumbing the U362 valve to flow three shared showering devices, 50 psi is recommended for optimum performance
- * Primary showerhead
- * Moen handshowers come with an integrated double check valve to prevent back-siphon
- * Body sprays require a pressure-balancing loop to allow for an equal supply of water to each body spray (maximum of two plumbed to one transfer valve outlet)

IMPORTANT:
please read BEFORE installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

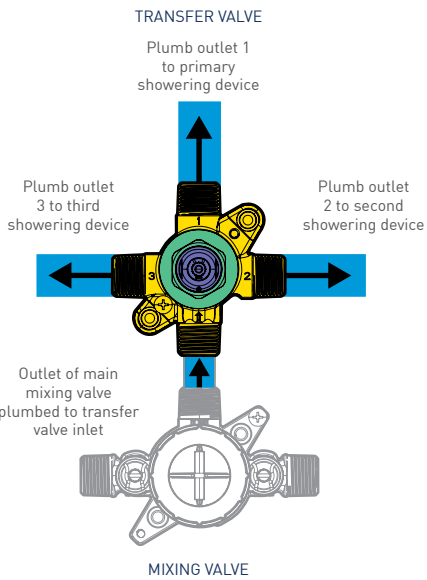
M-CORE® | Shower Spa

CONFIGURATION 02

M-CORE with Integrated Transfer Valve
Three Showering Devices One Wall and Ceiling

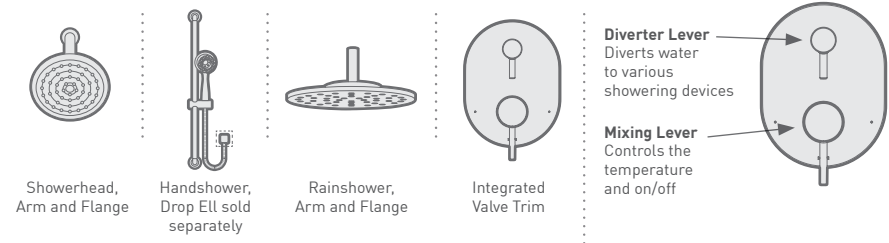
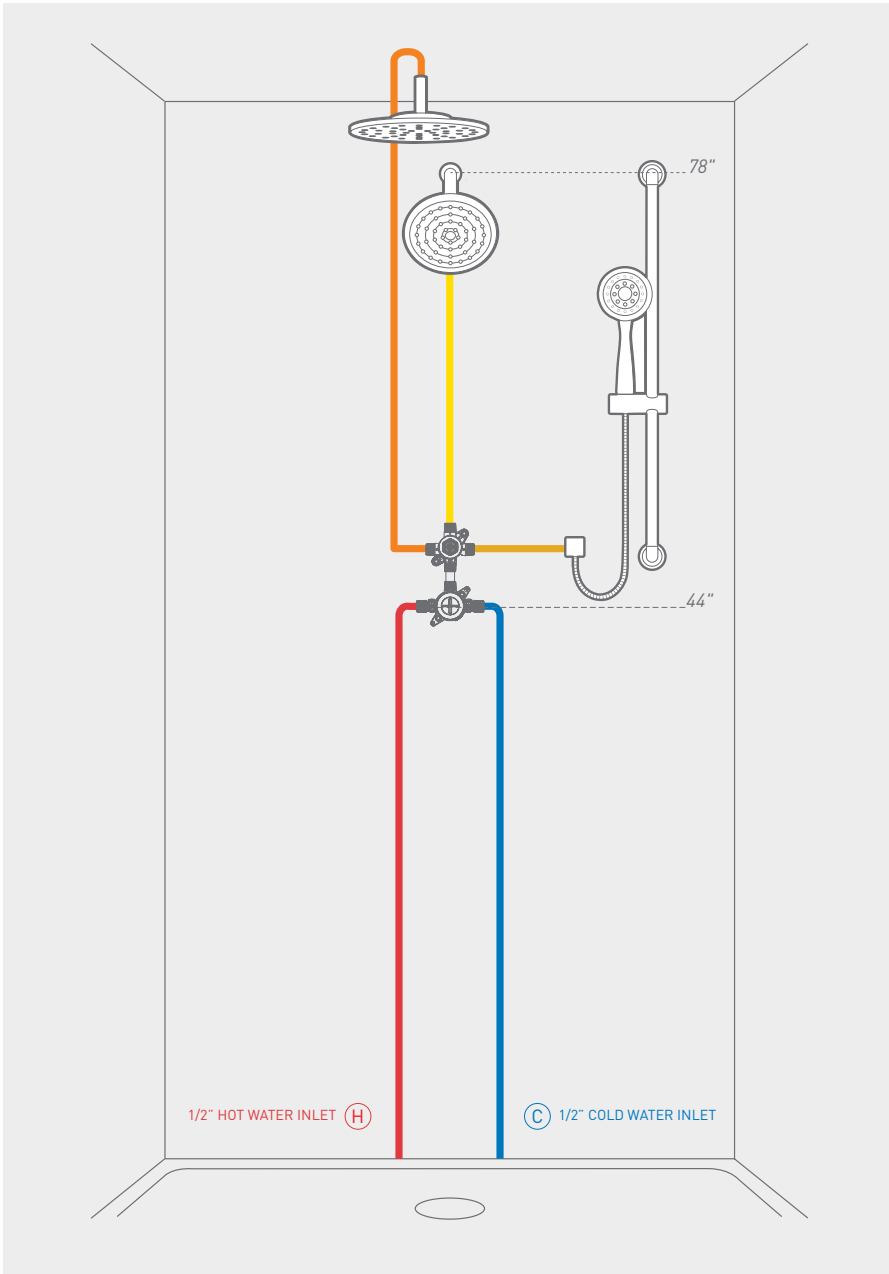
- * Use the M-CORE U232 integrated transfer valve for three independent functions
- * Use the M-CORE U362 integrated transfer valve for three independent/ three shared functions
- * Primary showerhead
- * Ceiling-mounted rainshower
- * Moen handshowers come with an integrated double check valve to prevent back-siphon

IMPORTANT:
please read BEFORE installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

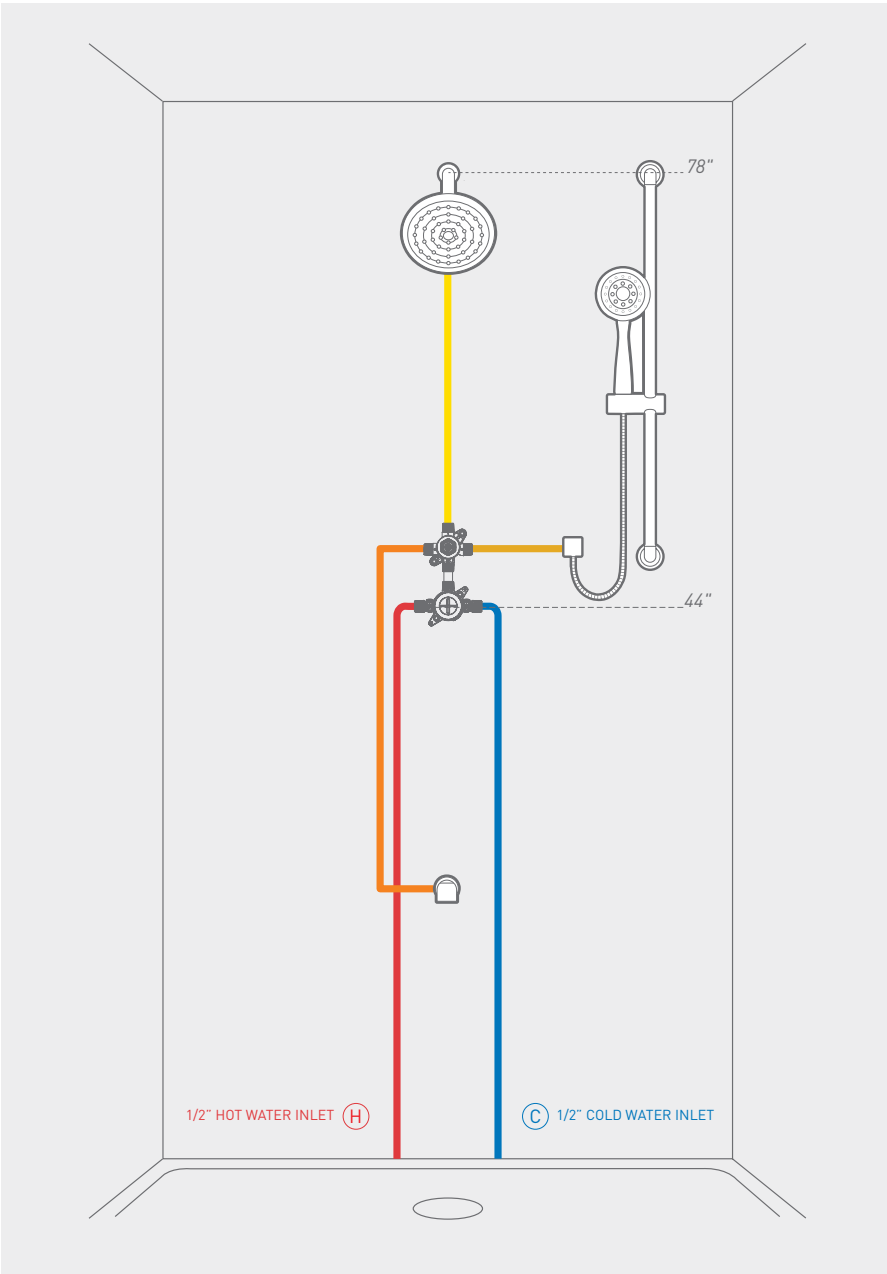
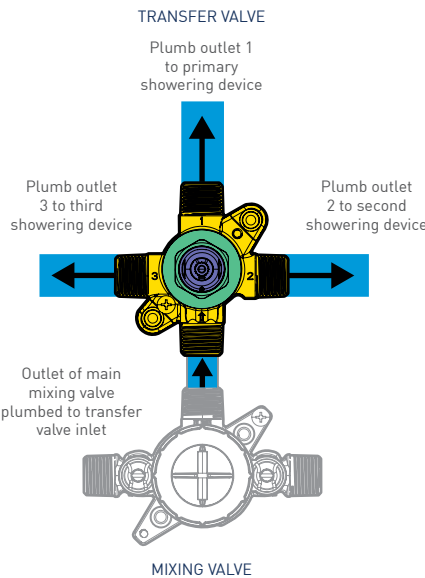
M-CORE® | Shower Spa

CONFIGURATION 02A

M-CORE with Integrated Transfer Valve
Two Showering Devices and Non-Diverter Tub Spout One Wall

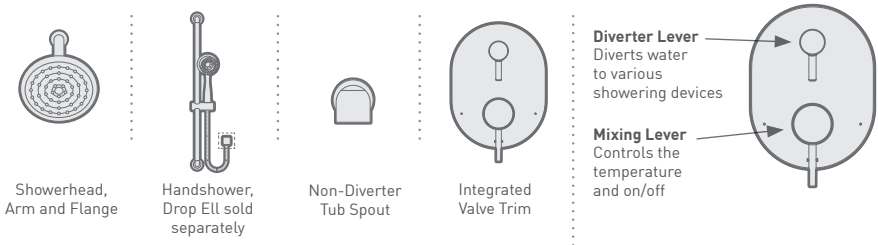
- * Use the M-CORE U232 integrated transfer valve for three independent functions
- * Primary showerhead
- * Non-diverter tub spout
- * Moen handshowers come with an integrated double check valve to prevent back-siphon

IMPORTANT:
please read BEFORE installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

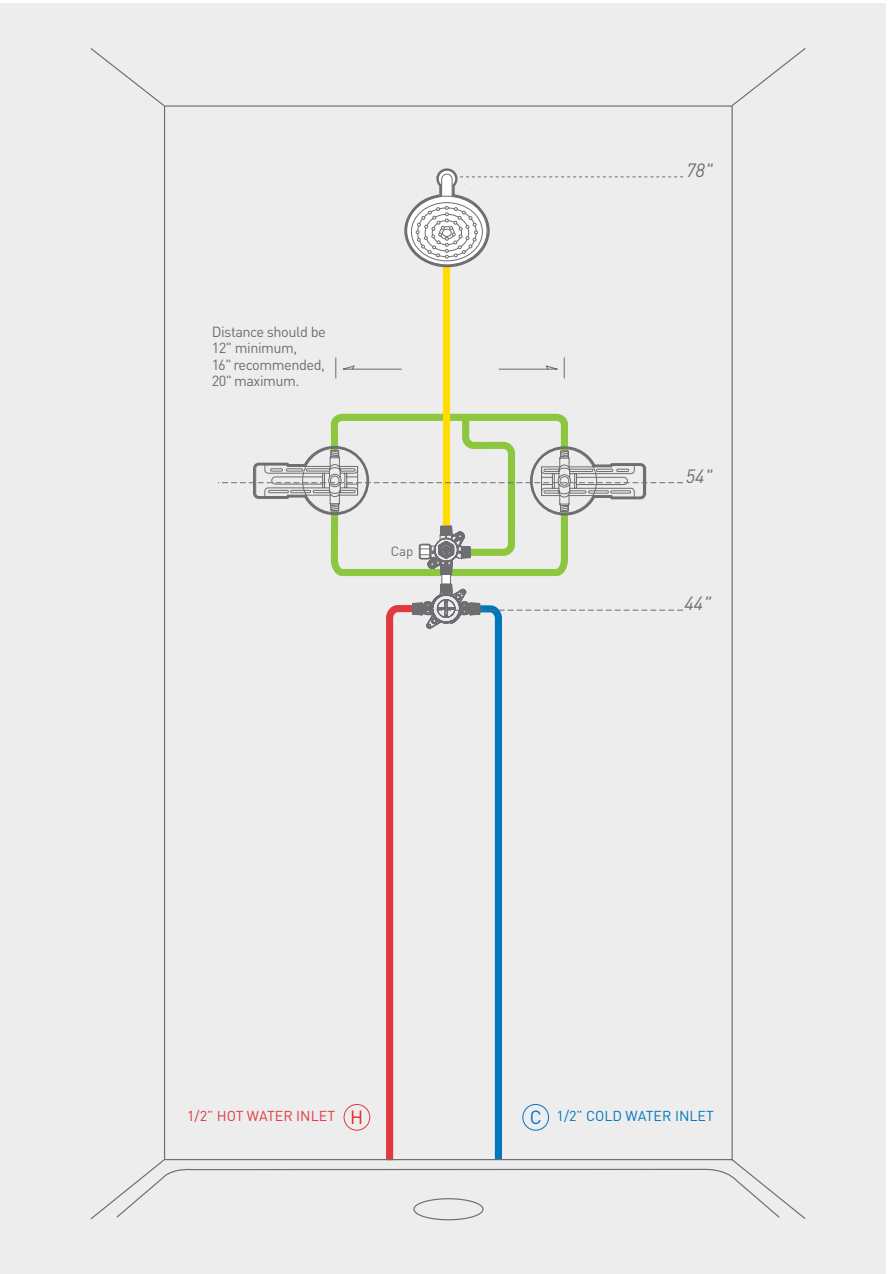
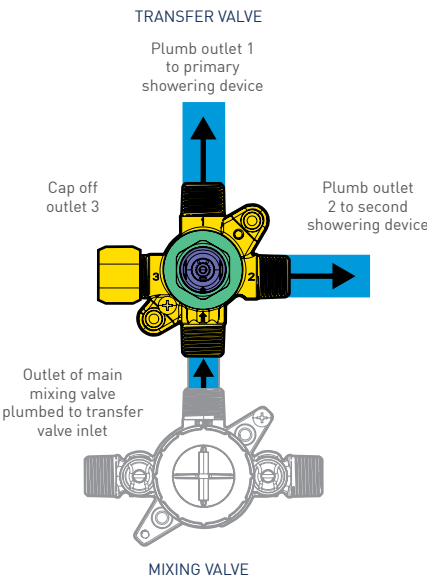
M-CORE® | Shower Spa

CONFIGURATION 03

M-CORE with Integrated Transfer Valve
Two Showering Devices One Wall

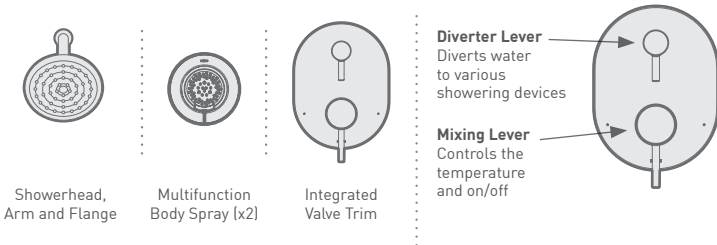
- * Use the M-CORE U232 integrated transfer valve for two independent functions; cap off third outlet
- * Use the M-CORE U362 integrated transfer valve for two independent and one shared function; cap off third outlet
- * When plumbing the U362 valve to flow three shared showering devices, 50 psi is recommended for optimum performance
- * Primary showerhead
- * Body sprays require a pressure-balancing loop to allow for an equal supply of water to each body spray (maximum of two plumbed to one transfer valve outlet)

IMPORTANT:
please read BEFORE installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

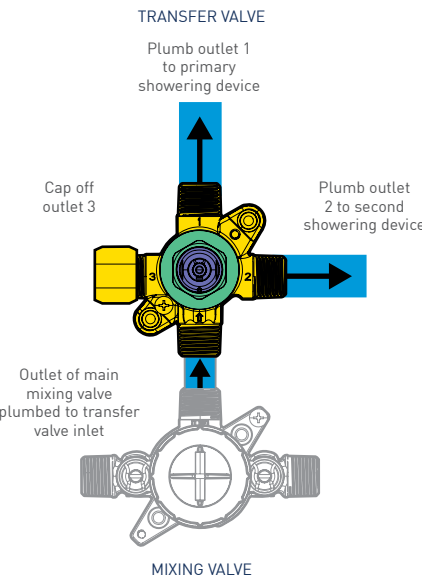
M-CORE® | Shower Spa

CONFIGURATION 04

M-CORE with Integrated Transfer Valve
Two Showering Devices One Wall

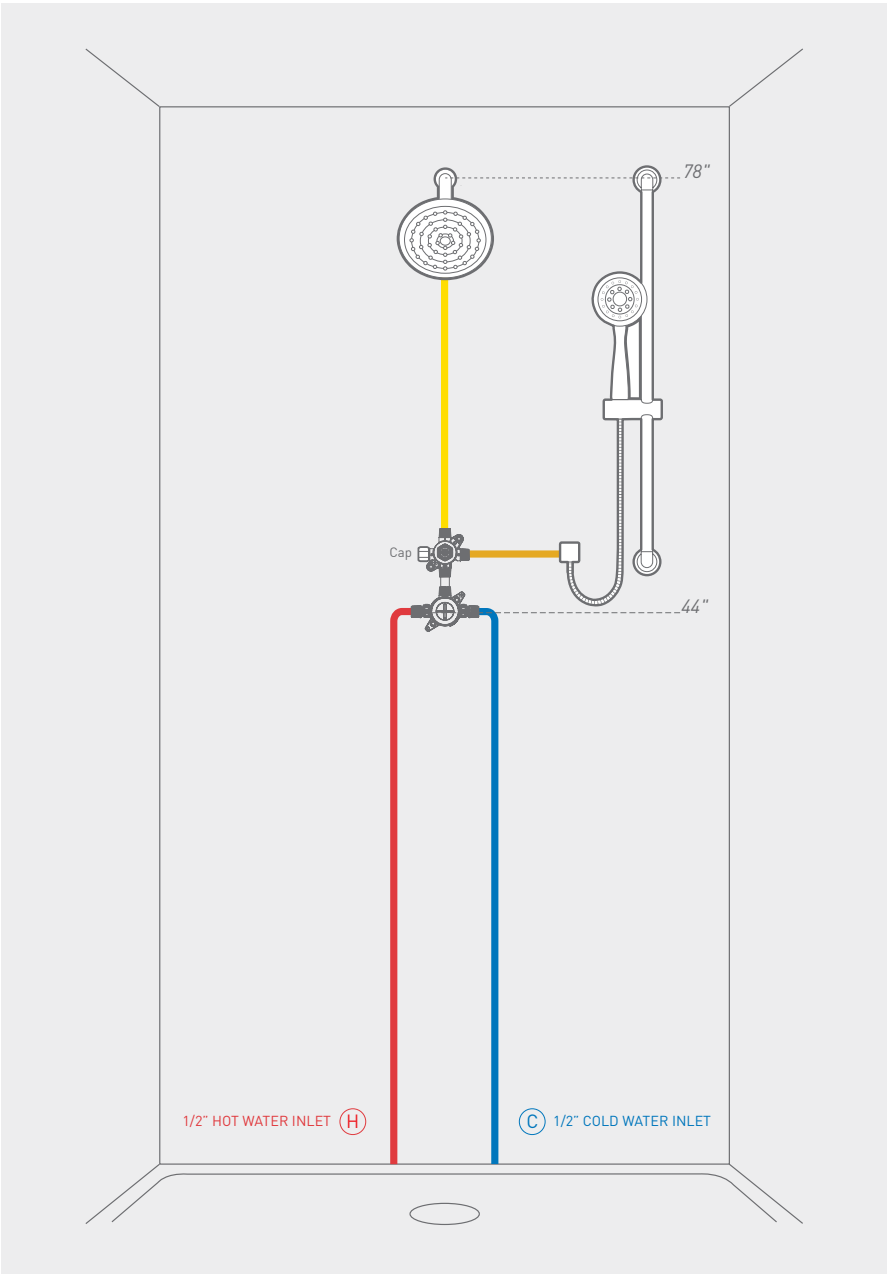
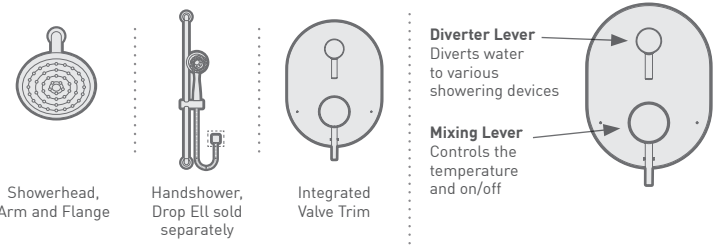
- * Use the M-CORE U232 integrated transfer valve for two independent functions; cap off third outlet
- * Use the M-CORE U362 integrated transfer valve for two independent and one shared function; cap off third outlet
- * Primary showerhead
- * Moen handshowers come with an integrated double check valve to prevent back-siphon

IMPORTANT:
please read BEFORE installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

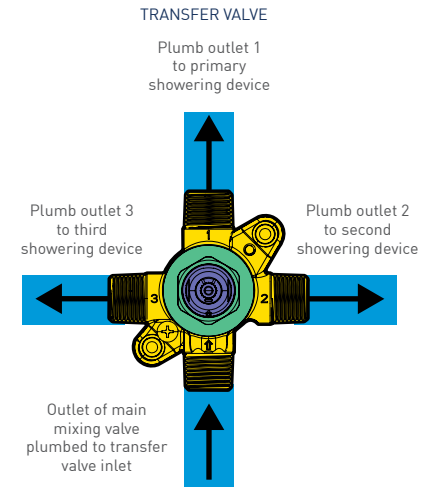
M-CORE® | Shower Spa

CONFIGURATION 05

M-CORE Mixing Valve with M-CORE Transfer Valve
Three Showering Devices One Wall and Ceiling

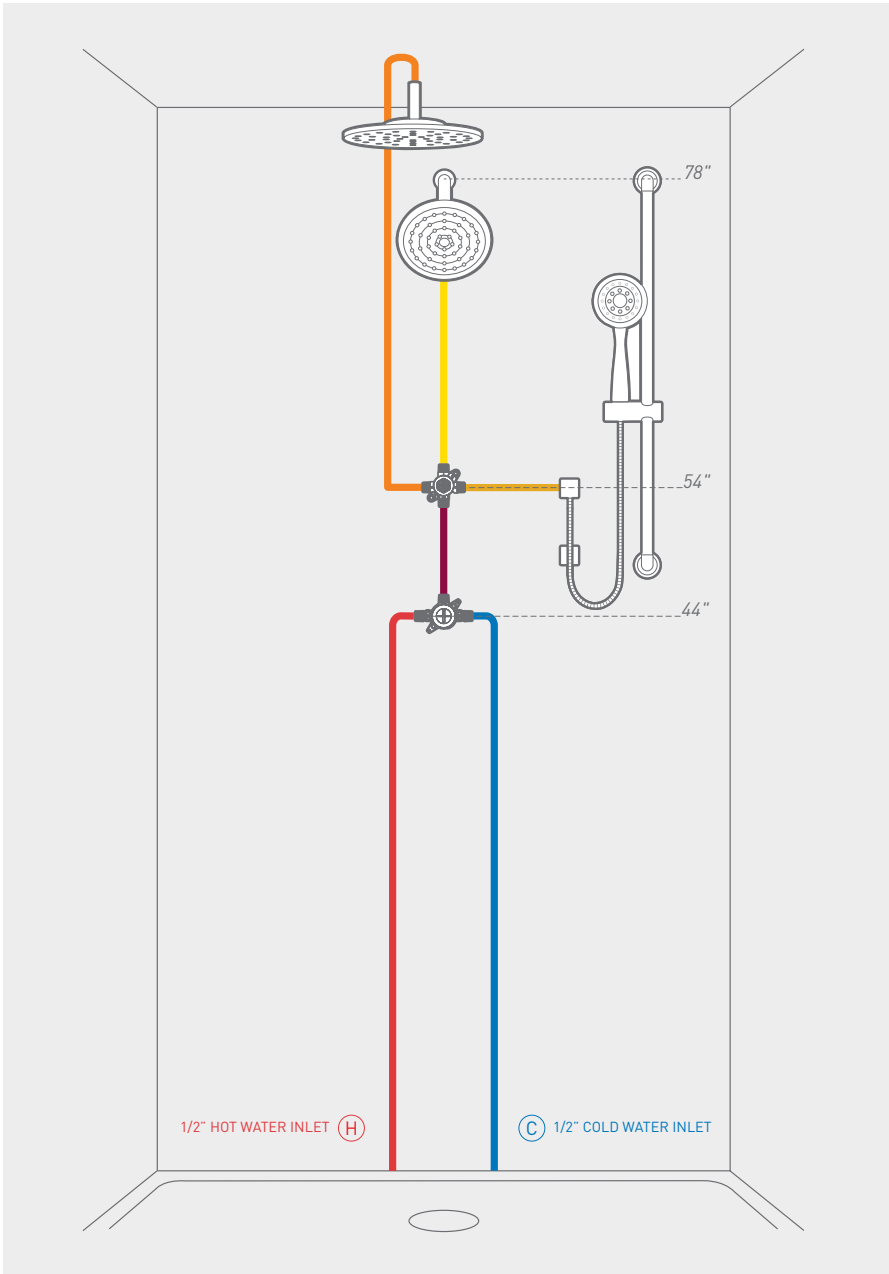
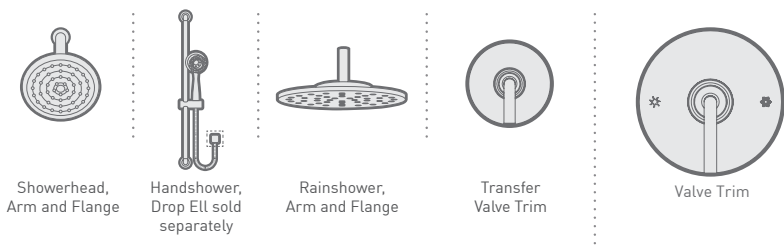
- MIXING VALVE**
- * M-CORE U130 (3-port) valves are recommended for shower-only applications (if U140 (4-port) valves are used in a shower-only application, then the tub port must be capped)
- TRANSFER VALVE**
- * Use the M-CORE U231 transfer valve for three independent functions
 - * Use the M-CORE U361 transfer valve for three independent and three shared functions
 - * Primary showerhead
 - * Ceiling-mounted rainshower
 - * Moen handshowers come with an integrated double check valve to prevent back-siphon

IMPORTANT:
please read BEFORE installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

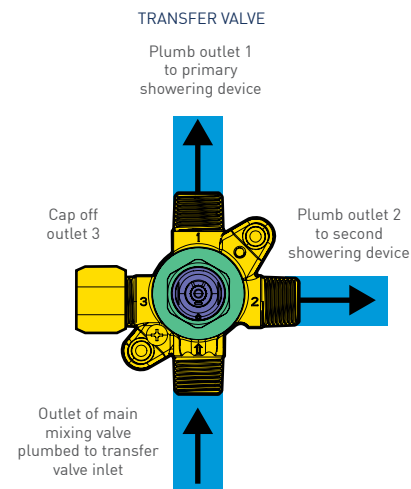
M-CORE® | Shower Spa

CONFIGURATION 06

M-CORE Mixing Valve with M-CORE Transfer Valve
Two Showering Devices One Wall

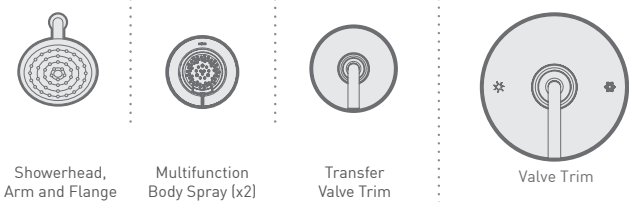
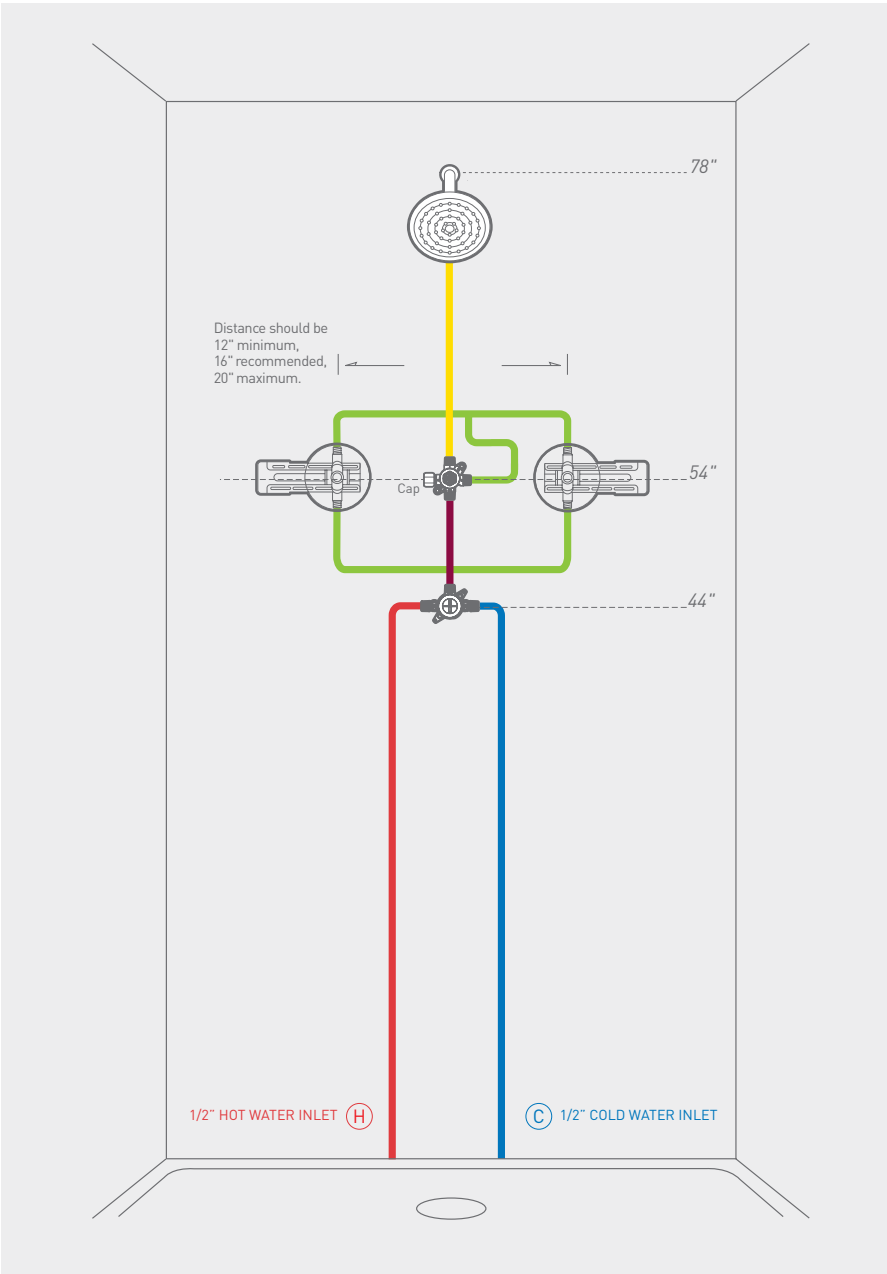
- MIXING VALVE**
- * M-CORE U130 (3-port) valves are recommended for shower-only applications (if U140 (4-port) valves are used in a shower-only application, then the tub port must be capped)
- TRANSFER VALVE**
- * Use the M-CORE U231 transfer valve for two independent functions; cap off third outlet
 - * Use the M-CORE U361 transfer valve for two independent and one shared functions; cap off third outlet
 - * When plumbing the U361 valve to flow three shared devices, 50 psi is recommended for optimum performance
 - * Primary showerhead
 - * Body sprays require a pressure-balancing loop to allow for an equal supply of water to each body spray (maximum of two plumbed to one transfer valve outlet)

IMPORTANT:
please read **BEFORE** installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

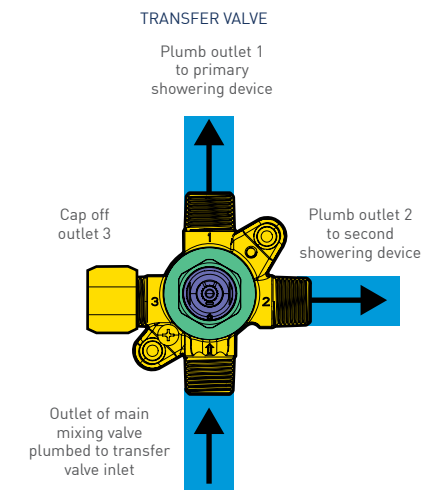
M-CORE® | Shower Spa

CONFIGURATION 07

M-CORE Mixing Valve with M-CORE Transfer Valve
Two Showering Devices One Wall

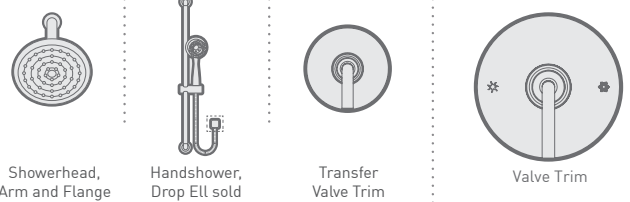
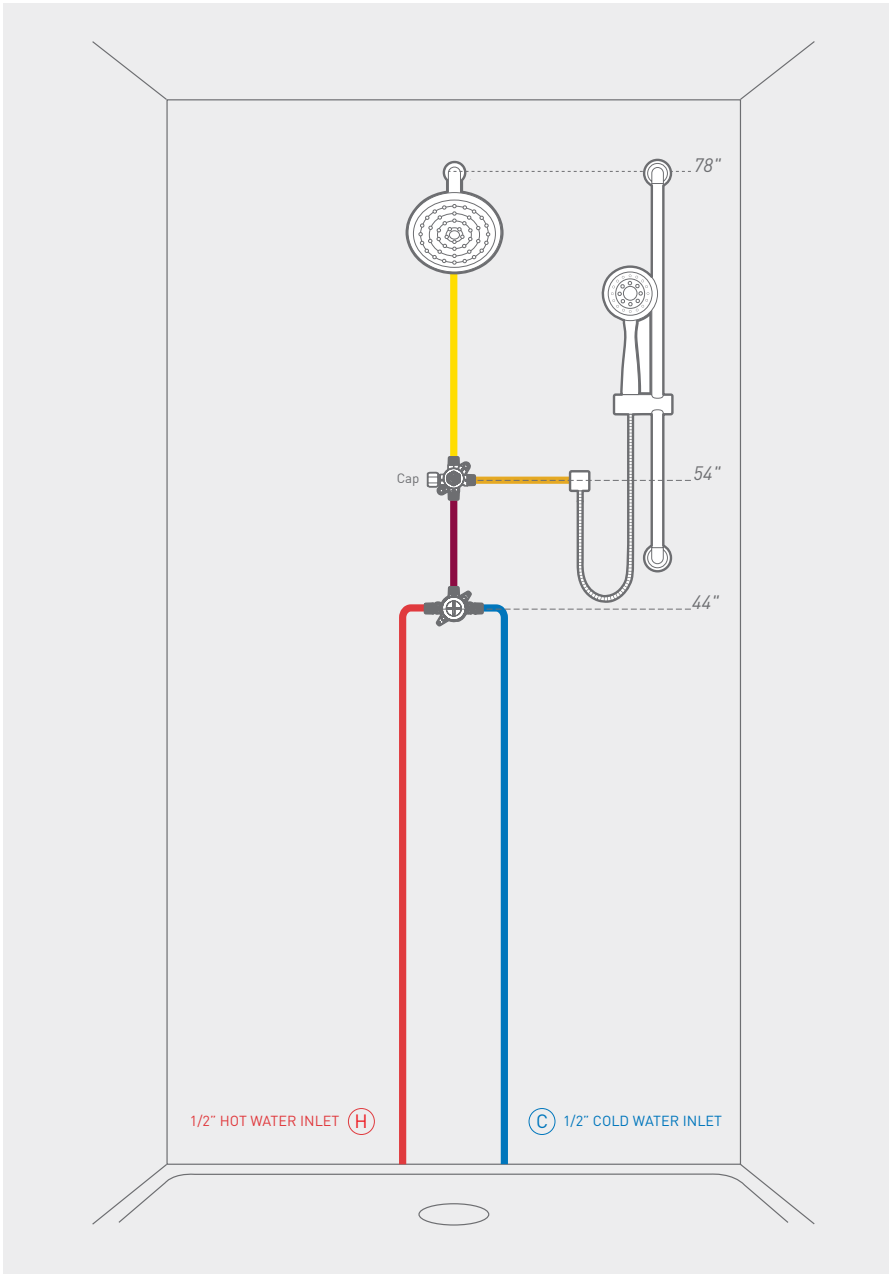
- MIXING VALVE**
- * M-CORE U130 (3-port) valves are recommended for shower-only applications (if U140 (4-port) valves are used in a shower-only application, then the tub port must be capped)
- TRANSFER VALVE**
- * Use the M-CORE U231 transfer valve for two independent functions; cap off third outlet
 - * Use the M-CORE U361 transfer valve for two independent and one shared functions; cap off third outlet
 - * Primary showerhead
 - * Moen handshowers come with an integrated double check valve to prevent back-siphon

IMPORTANT:
please read **BEFORE** installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

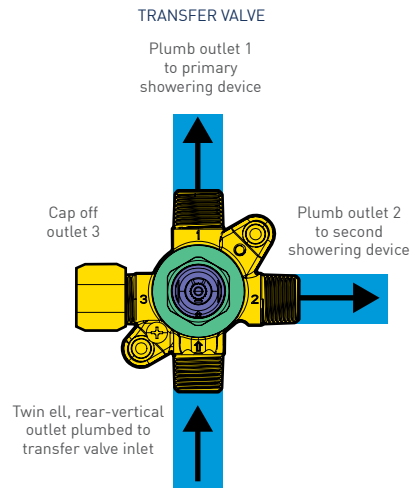
M-CORE® | Shower Spa

CONFIGURATION 08

M-CORE Mixing Valve with M-CORE Transfer Valve
Two Showering Devices and Diverter Tub Spout One Wall

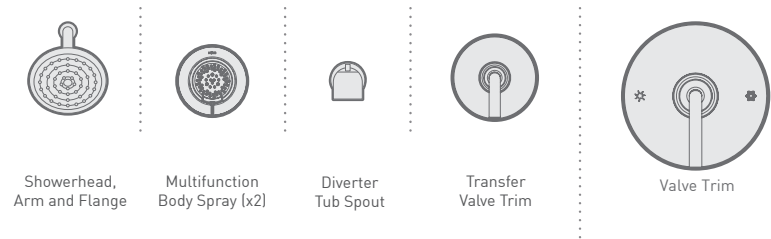
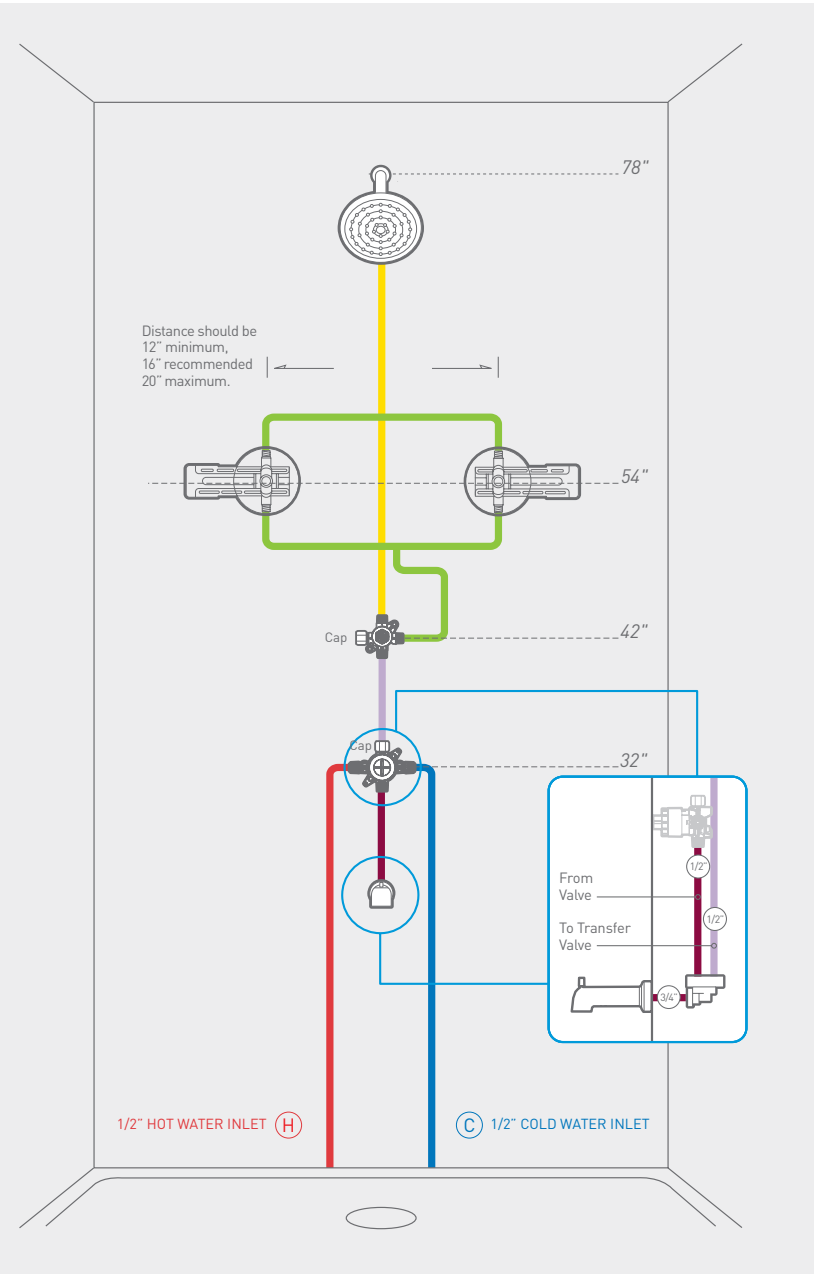
- MIXING VALVE**
- * M-CORE U140 (4-port) valves are used in tub/shower applications
 - * Shower port must be capped
- TRANSFER VALVE**
- * Use the M-CORE U231 transfer valve for two independent functions
 - * Use M-CORE U361 transfer valve for two independent and one shared functions
 - * When plumbing the U361 valve to flow three shared devices, 50 psi is recommended for optimum performance
- * Primary showerhead
 - * Body sprays require a pressure-balancing loop to allow for an equal supply of water to each body spray (maximum of two plumbed to one transfer valve outlet)
- TUB SPOUT**
- * When using a diverter tub spout, plumb the mixing valve outlet to the twin ell, front-vertical outlet
 - * Plumb the twin ell, rear-vertical outlet at the transfer valve inlet
 - * Plumb the twin ell, front-horizontal outlet to the diverting tub spout

IMPORTANT:
please read **BEFORE** installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

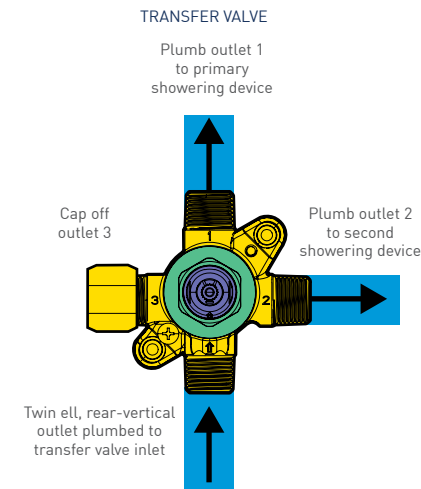
M-CORE® | Shower Spa

CONFIGURATION 09

M-CORE Mixing Valve with M-CORE Transfer Valve
Two Showering Devices and Diverter Tub Spout One Wall

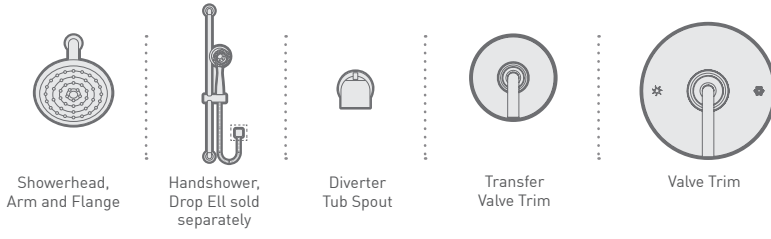
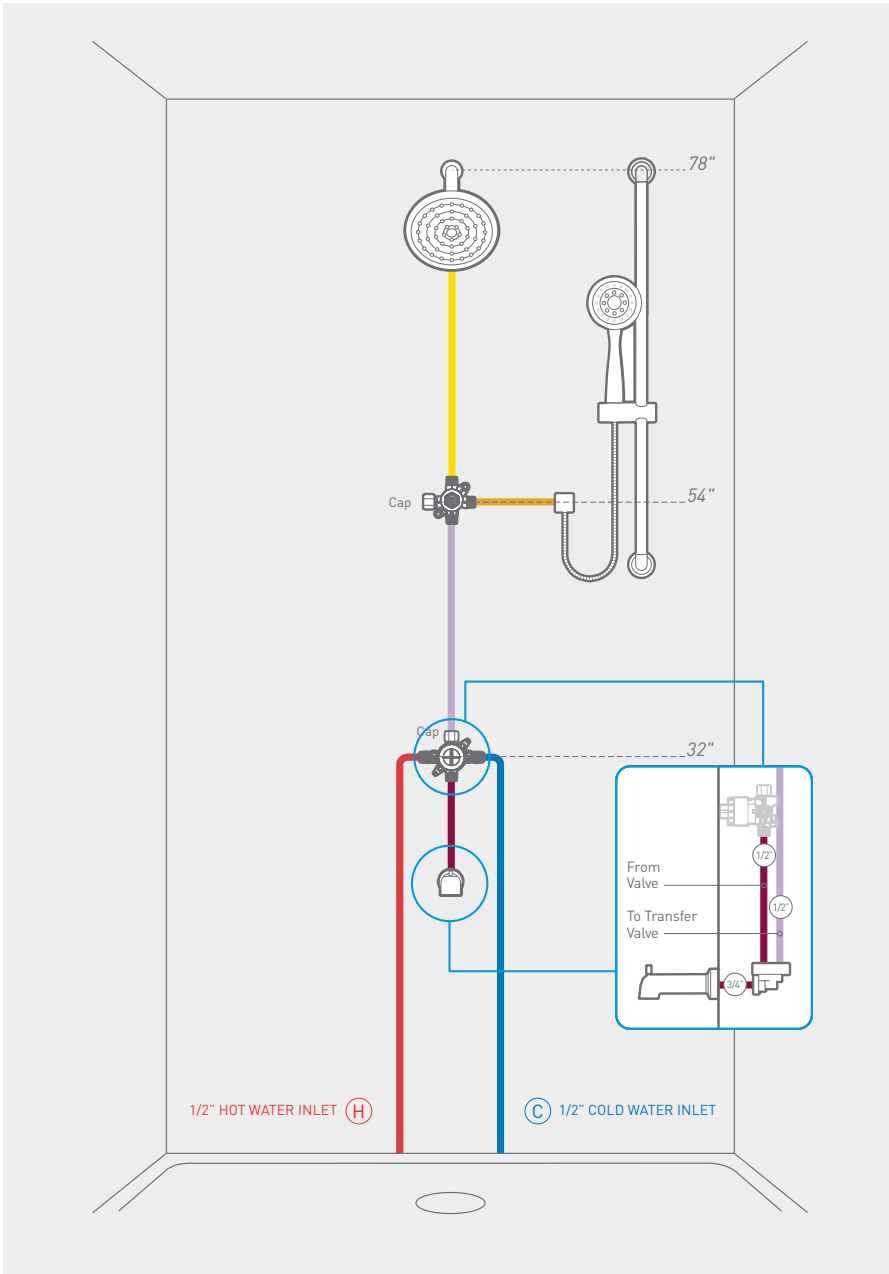
- MIXING VALVE**
- * M-CORE U140 (4-port) valves are used in tub/shower applications
 - * Shower port must be capped
- TRANSFER VALVE**
- * Use M-CORE U231 transfer valve for two independent functions
 - * Use the M-CORE U361 transfer valve for two independent and one shared functions
- * Primary showerhead
 - * Moen handshowers come with an integrated double check valve to prevent back-siphon
- TUB SPOUT**
- * When using a diverter tub spout, plumb the mixing valve outlet to the twin ell, front-vertical outlet
 - * Plumb the twin ell, rear-vertical outlet to the transfer valve inlet
 - * Plumb the twin ell, front-horizontal outlet to the diverter tub spout

IMPORTANT:
please read **BEFORE** installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

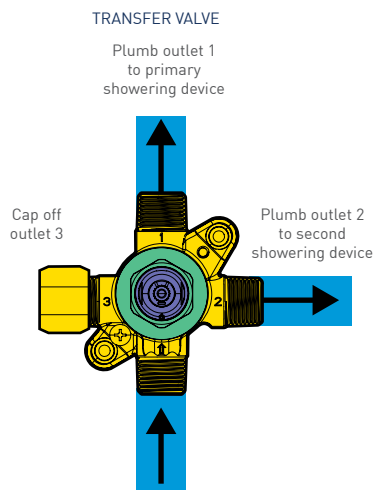
M-CORE® | Shower Spa

CONFIGURATION 09A


M-CORE Mixing Valve with M-CORE Transfer Valve
Two Showering Devices and Diverter Tub Spout One Wall

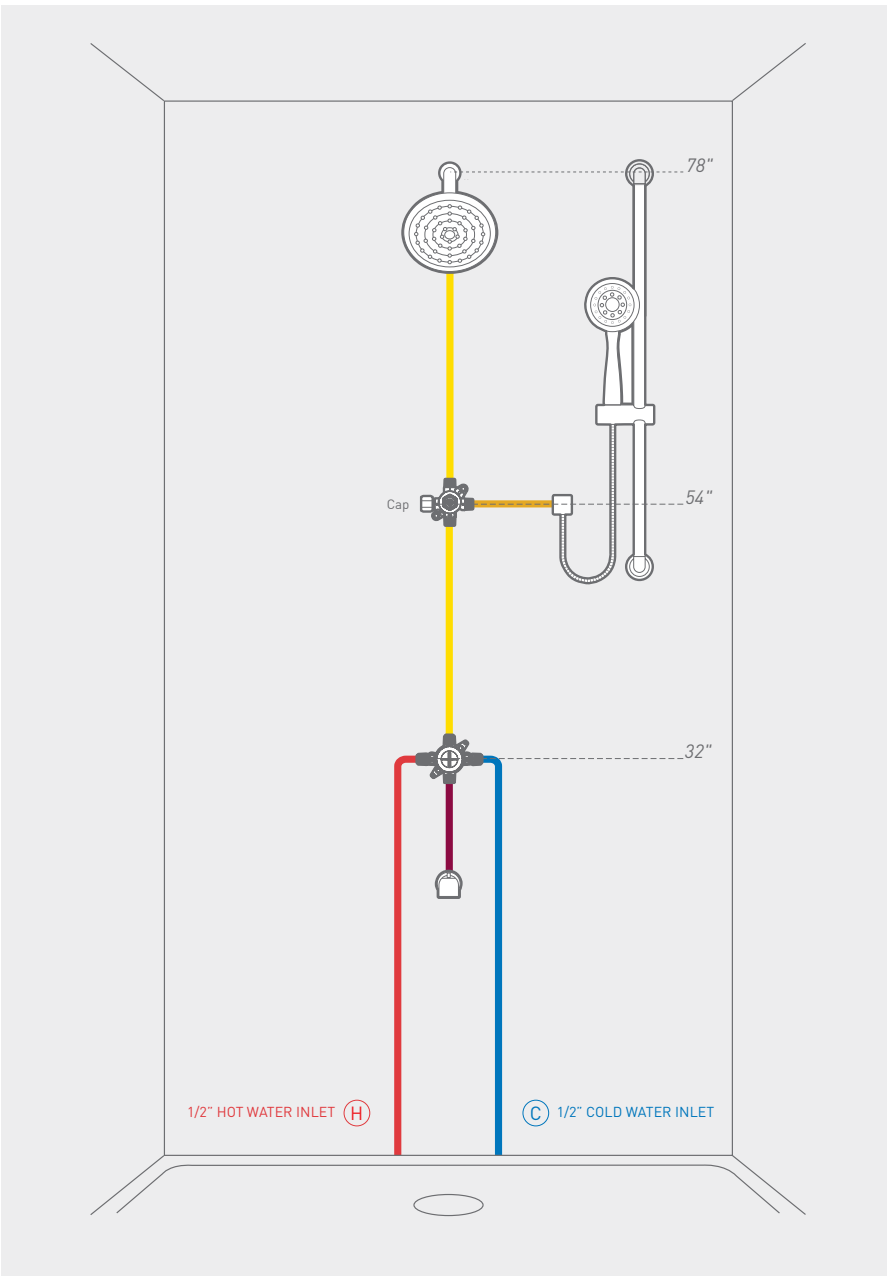
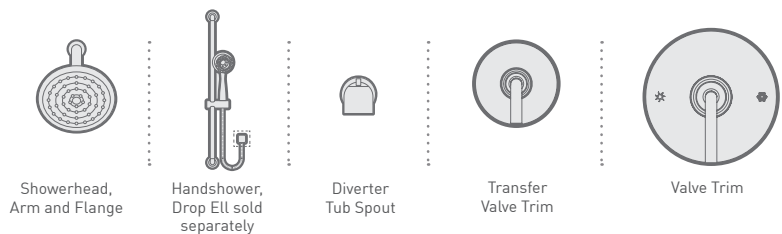
- MIXING VALVE**
- * M-CORE U140 (4-port) valves are used in tub/shower applications
- TRANSFER VALVE**
- * Use the M-CORE U231 transfer valve for two independent functions
 - * Use the M-CORE U361 transfer valve for two independent and one shared functions
- * Primary showerhead
 - * Moen handshowers come with an integrated double check valve to prevent back-siphon
- TUB SPOUT**
- * When using a diverter tub spout, plumb directly to the mixing valve

IMPORTANT:
please read **BEFORE** installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

 Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested.
Refer to specification sheet for critical dimensions for installation.

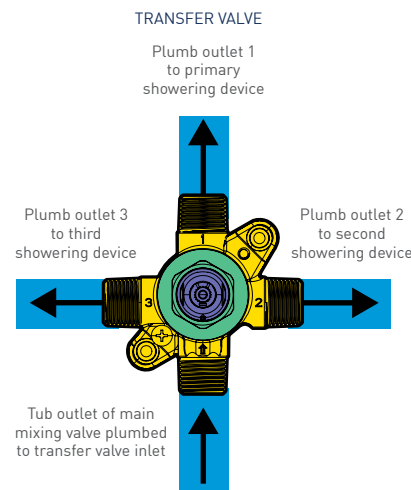
Posi-Temp® + M-CORE® | Shower Spa

CONFIGURATION 10


Posi-Temp Mixing Valve with M-CORE Transfer Valve
Three Showering Devices One Wall and Ceiling

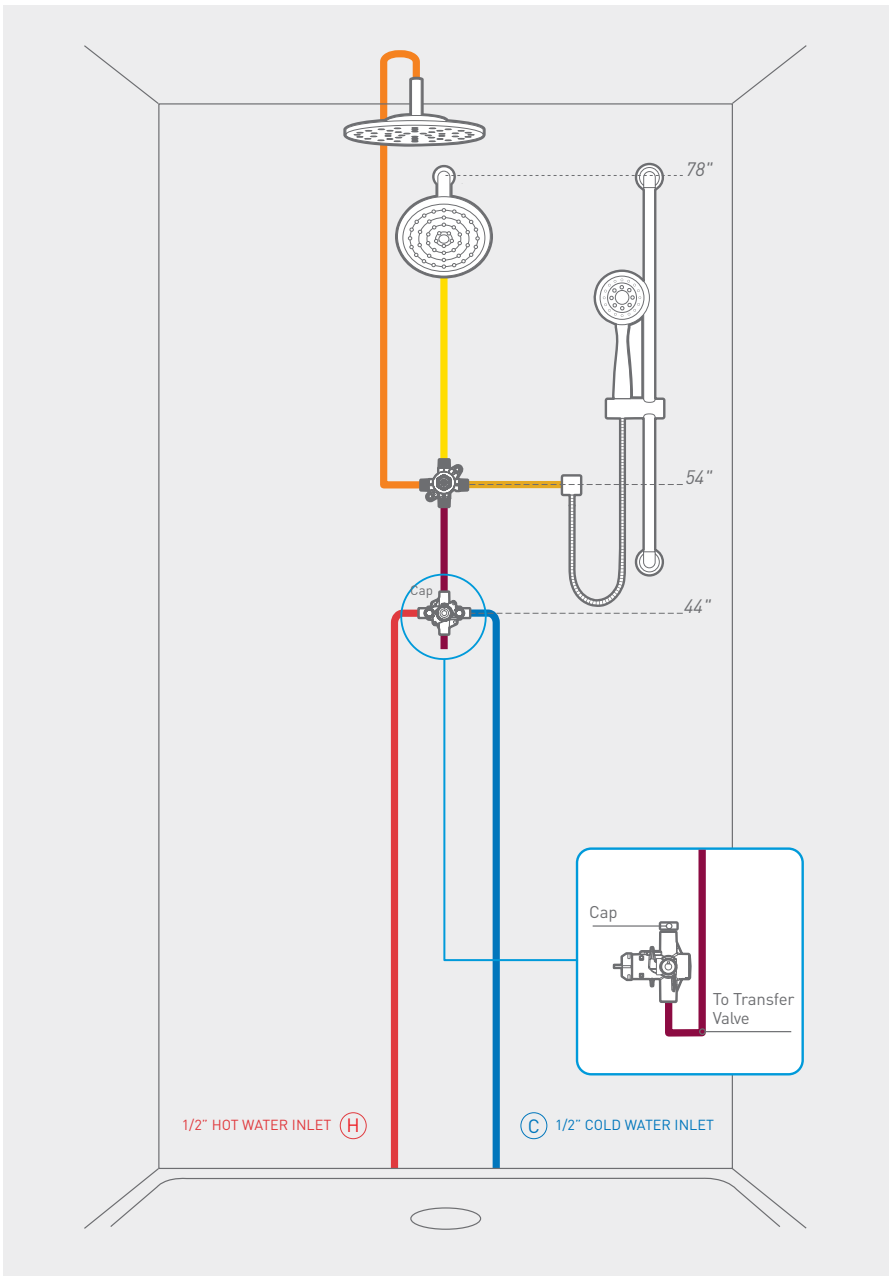
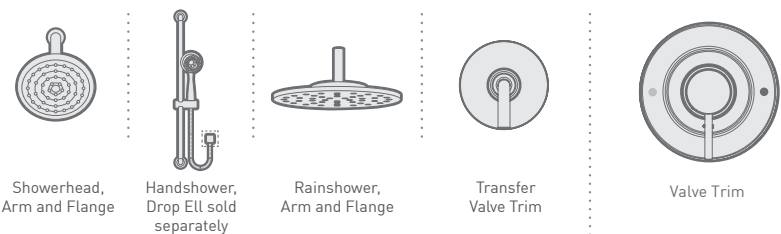
- MIXING VALVE**
- * Posi-Temp 3-port valves for shower-only applications
 - * If using a Posi-Temp 4-port valve for shower-only application, then the shower port must be capped; tub port will supply water to transfer valve
- TRANSFER VALVE**
- * Use the M-CORE U231 transfer valve for three independent functions
 - * Use the M-CORE U361 transfer valve for three independent and three shared functions
- * Primary showerhead
 - * Ceiling-mounted rainshower
 - * Moen handshowers come with an integrated double check valve to prevent back-siphon

IMPORTANT:
please read **BEFORE** installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

 Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested.
Refer to specification sheet for critical dimensions for installation.

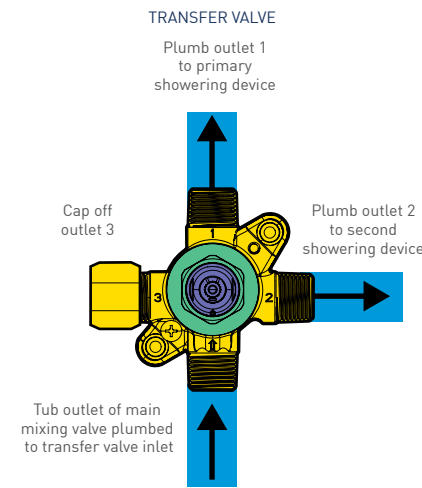
Posi-Temp® + M-CORE® | Shower Spa

CONFIGURATION 11

Posi-Temp Mixing Valve with M-CORE Transfer Valve
Two Showering Devices One Wall

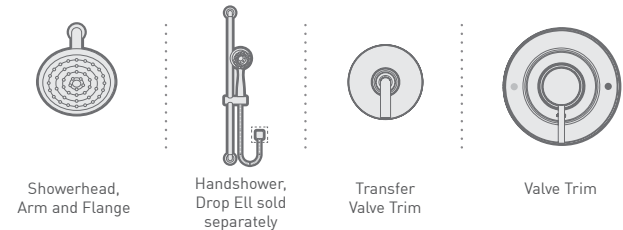
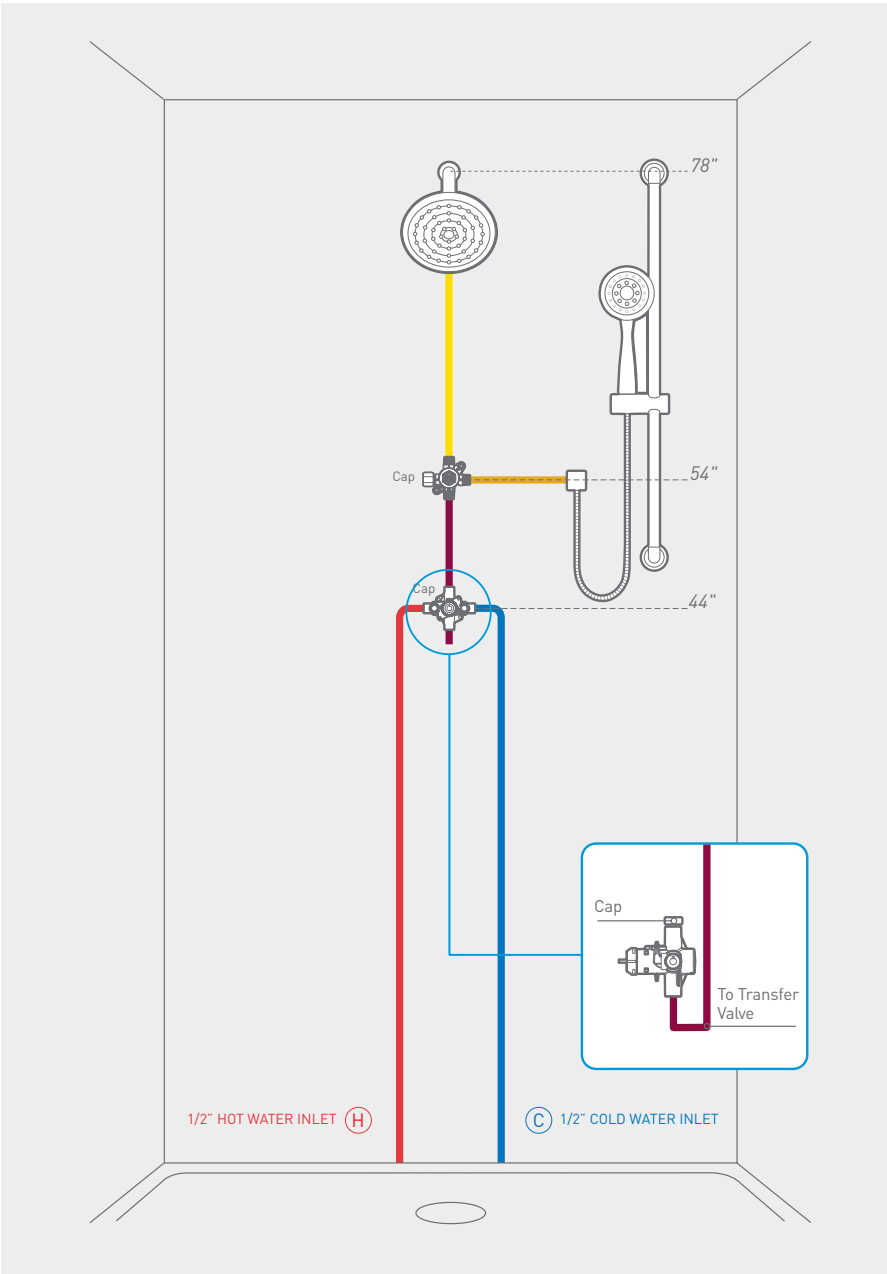
- MIXING VALVE**
- * Posi-Temp 3-port valves for shower-only applications
 - * If using a Posi-Temp 4-port valve for shower-only application, then the shower port must be capped; tub port will supply water to transfer valve
- TRANSFER VALVE**
- * Use the M-CORE U231 transfer valve for two independent functions
 - * Use the M-CORE U361 transfer valve for two independent and one shared functions
 - * Primary showerhead
 - * Moen handshowers come with an integrated double check valve to prevent back-siphon

IMPORTANT:
please read BEFORE installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

Shower spa trim is compatible with the M•PACT® Common Valve System.



All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

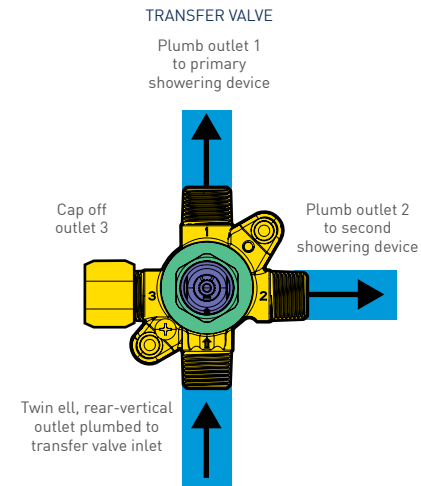
Posi-Temp® + M-CORE® | Shower Spa

CONFIGURATION 12

Posi-Temp Mixing Valve with M-CORE Transfer Valve
Two Showering Devices and Diverter Tub Spout One Wall

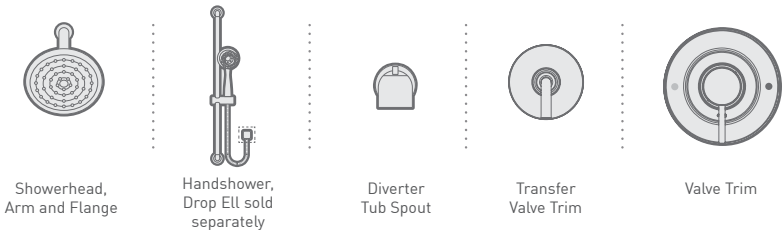
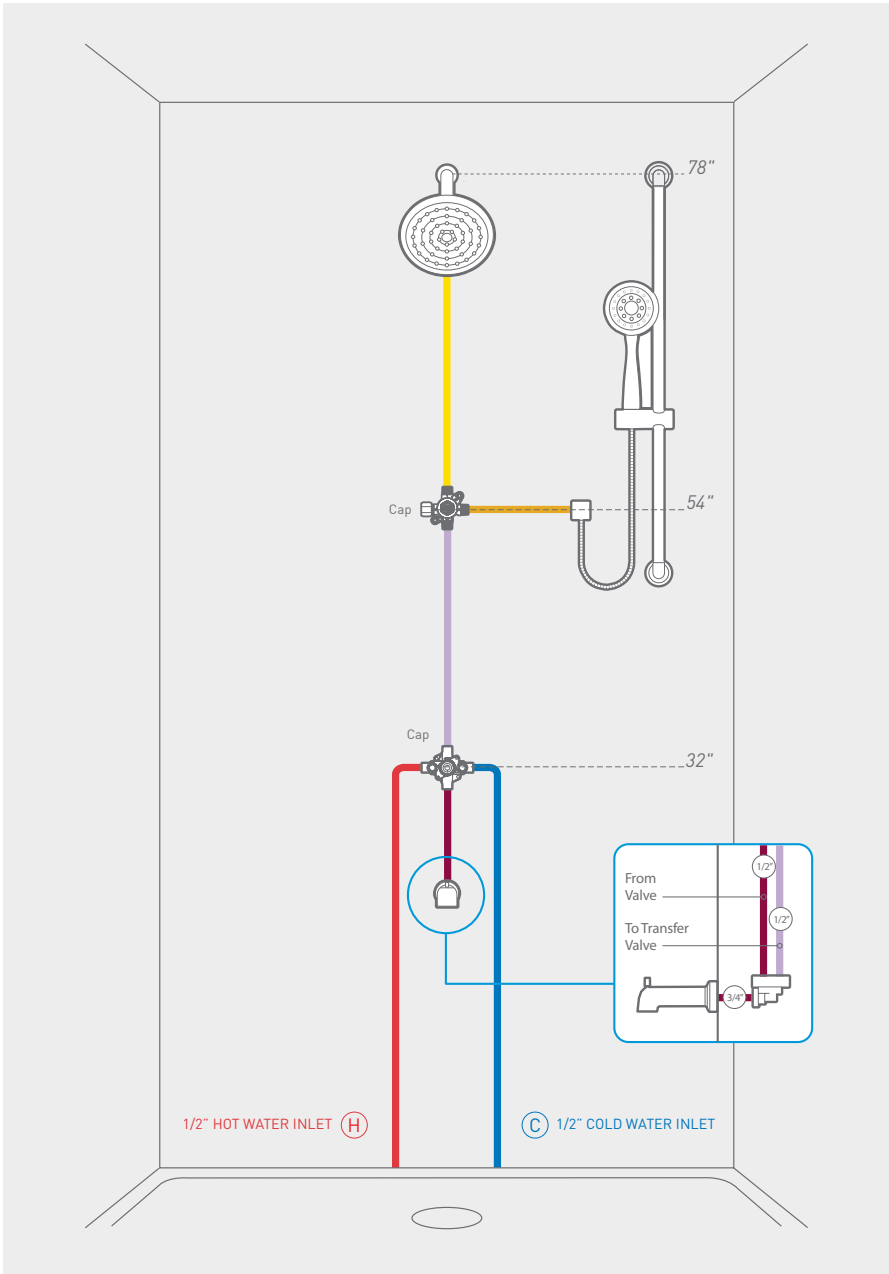
- MIXING VALVE**
- * Use Posi-Temp 4-port valve for tub/shower-only application
 - * The shower port must be capped; tub port will supply water to transfer valve
- TRANSFER VALVE**
- * Use the M-CORE U231 transfer valve for two independent functions
 - * Use the M-CORE U361 transfer valve for two independent and one shared functions
 - * Primary showerhead
 - * Moen handshowers come with an integrated double check valve to prevent back-siphon
- TUB SPOUT**
- * When using a diverter tub spout, plumb the mixing valve outlet to the twin ell, front-vertical outlet
 - * Plumb the twin ell, rear-vertical outlet to the transfer valve inlet
 - * Plumb the twin ell, front-horizontal outlet to the diverter tub spout

IMPORTANT:
please read BEFORE installation



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

Shower spa trim is compatible with the M•PACT® Common Valve System.



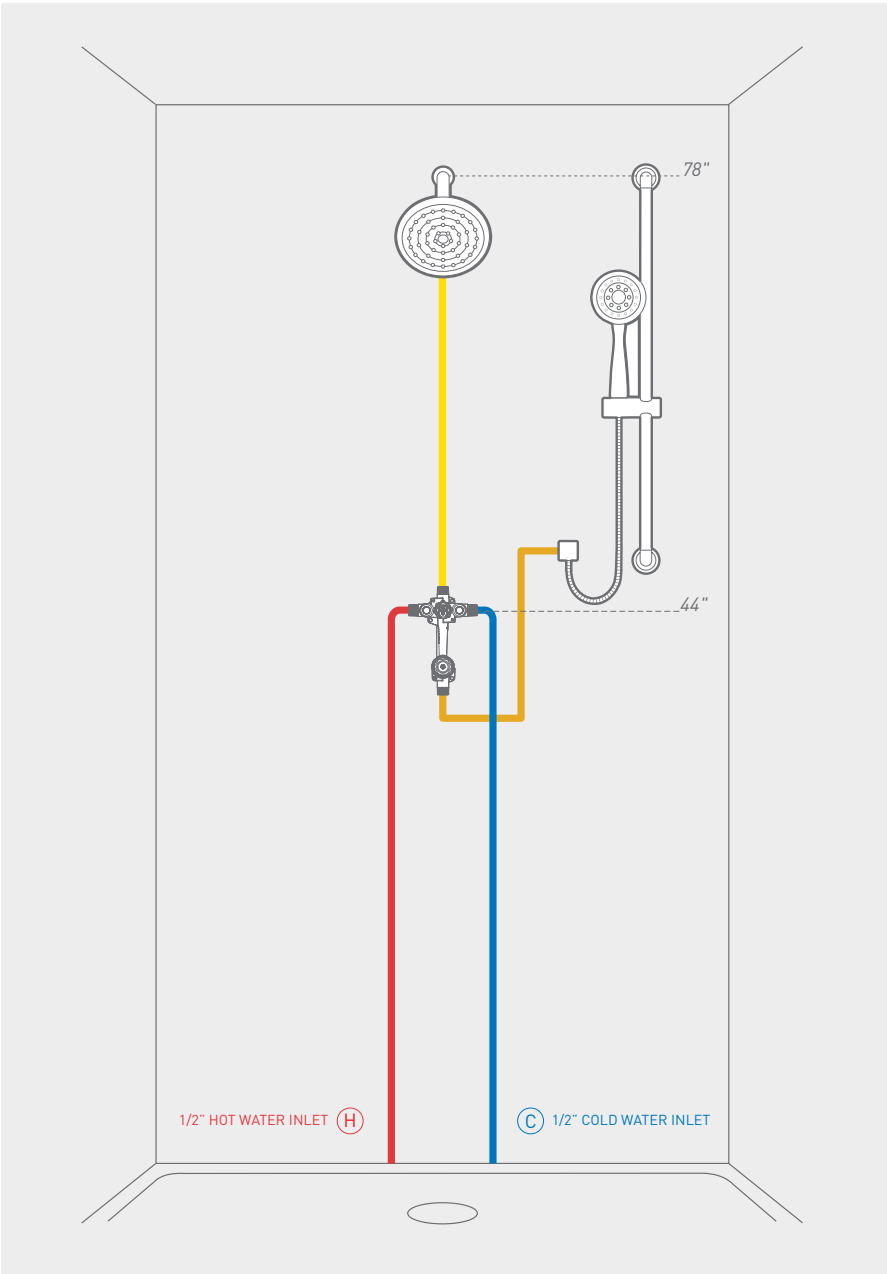
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.


Posi-Temp® | Shower Spa

CONFIGURATION 13


Posi-Temp with Integrated Transfer Valve
Two Showering Devices One Wall

- * Use the Posi-Temp 2521 or 2571 integrated transfer valve for two independent functions
- * Use the Posi-Temp 2551 or 2581 integrated transfer valve for two independent and one shared functions
- * Primary showerhead
- * Moen handshowers come with an integrated double check valve to prevent back-siphon






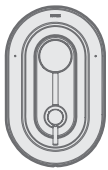
Shower spa trim is compatible with the M•PACT® Common Valve System.




Showerhead, Arm and Flange



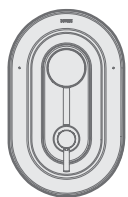
Handshower, Drop Ell sold separately



Integrated Valve Trim



Mixing Lever
Controls the temperature and on/off



Diverter Lever
Diverts water to various showering devices

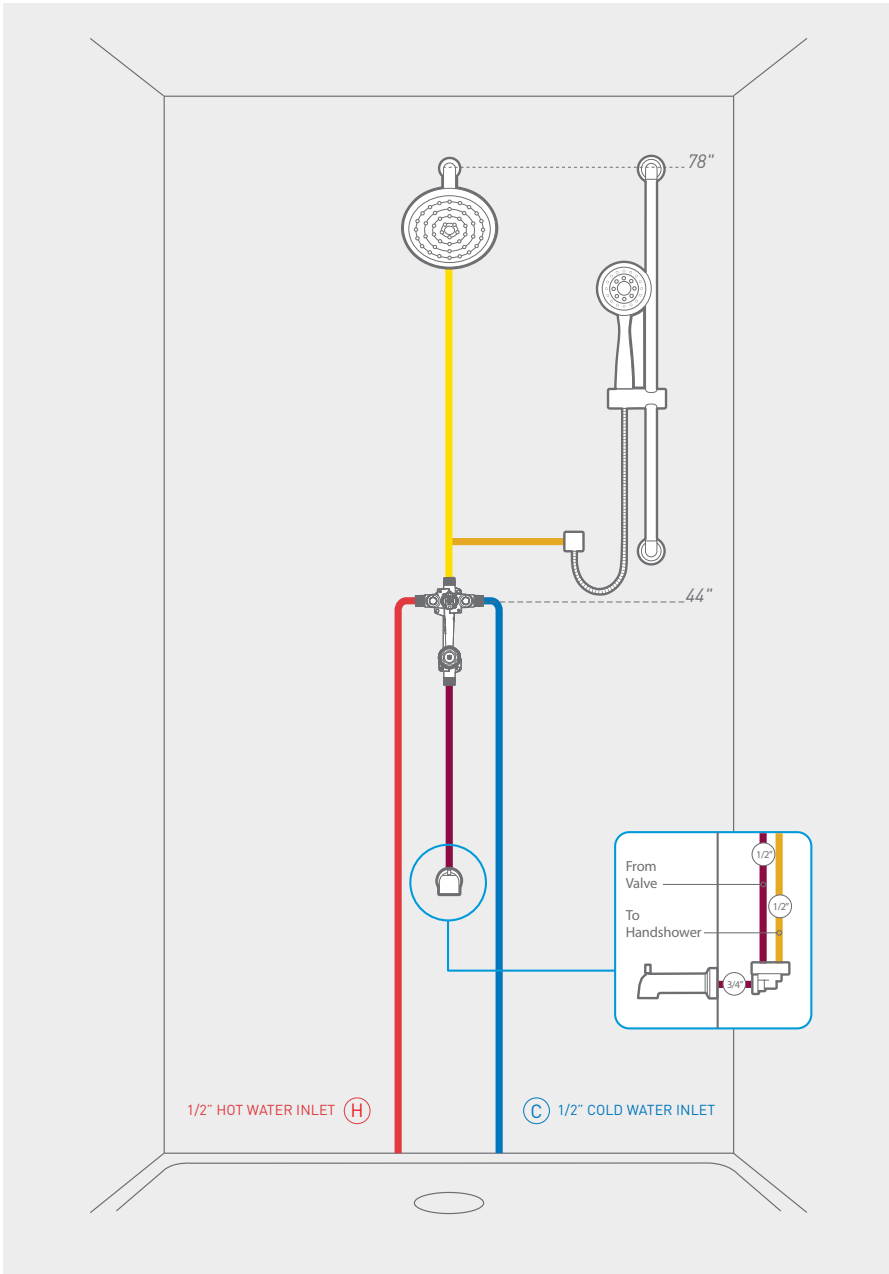
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.


Posi-Temp® | Shower Spa

CONFIGURATION 14


Posi-Temp with Integrated Transfer Valve
Two Showering Devices and Diverter Tub Spout One Wall

- * Use the Posi-Temp 2521 or 2571 integrated transfer valve for two independent functions
 - * Use the Posi-Temp 2551 or 2581 integrated transfer valve for two independent and one shared functions
 - * Primary showerhead
 - * Moen handshowers come with an integrated double check valve to prevent back-siphon
- TUB SPOUT**
- * When using a diverter tub spout, plumb the integrated transfer valve outlet to the twin ell, front-vertical outlet
 - * Plumb the twin ell, rear-vertical outlet to the drop ell
 - * Plumb the twin ell, front-horizontal outlet to the diverter tub spout







Shower spa trim is compatible with the M•PACT® Common Valve System.



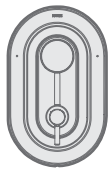
Showerhead, Arm and Flange




Handshower, Drop Ell sold separately



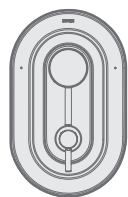
Diverter Tub Spout



Integrated Valve Trim



Mixing Lever
Controls the temperature and on/off



Diverter Lever
Diverts water to various showering devices

All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.



Annex™ shower rail system (TS3661NH), Gibson™ shower trim (T2901), rainshower (S176), handshower (189315)

SHOWER RAILS

Keep Your Bathroom, Elevate Your Experience

Create a shower experience that fits you and your existing bathroom. Innovative Shower Rail systems let you add showering devices without the cost and hassle of tearing into your existing shower surround. More options. More flexibility. Less dust.

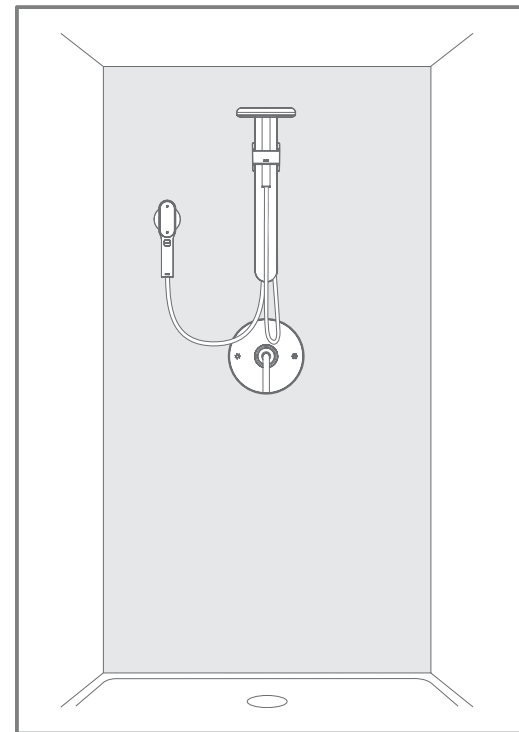


Moen Spa Shower rail system (N207C0SRN)



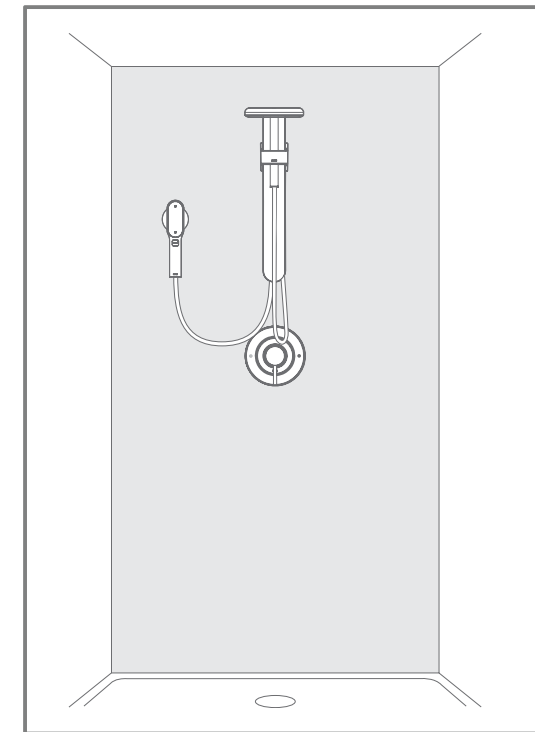
Moen Spa Shower Rail system (N207C0CH), Flara™ freestanding tub filler (S931)

M-CORE® and Posi-Temp®



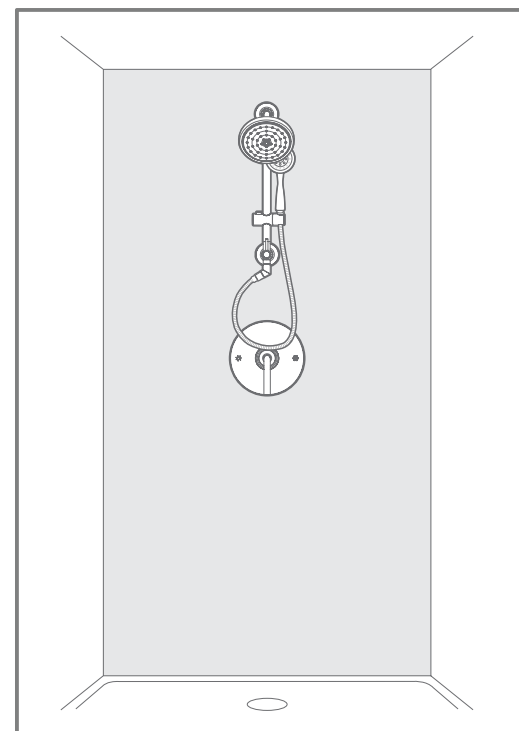
M-CORE | Moen Spa Shower Rail
CONFIGURATION 01

(Installation diagram on page 56.)



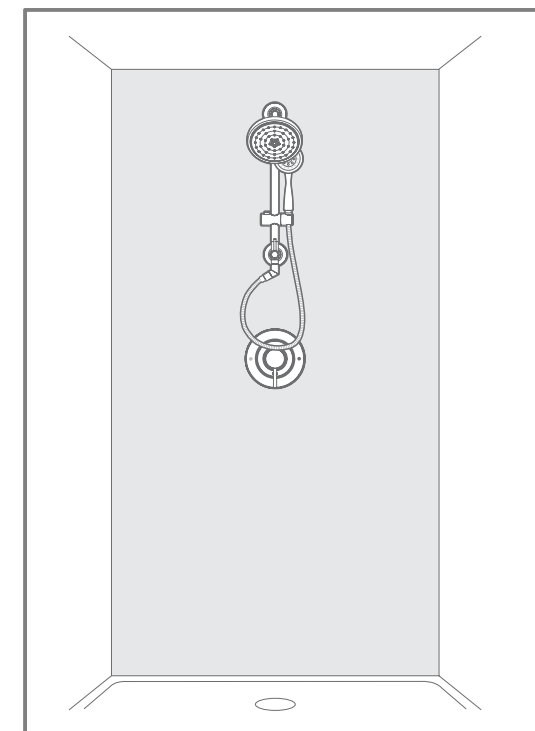
Posi-Temp | Moen Spa Shower Rail
CONFIGURATION 02

(Installation diagram on page 57.)



M-CORE | Annex™ Shower Rail
CONFIGURATION 03

(Installation diagram on page 58.)



Posi-Temp | Annex™ Shower Rail
CONFIGURATION 04

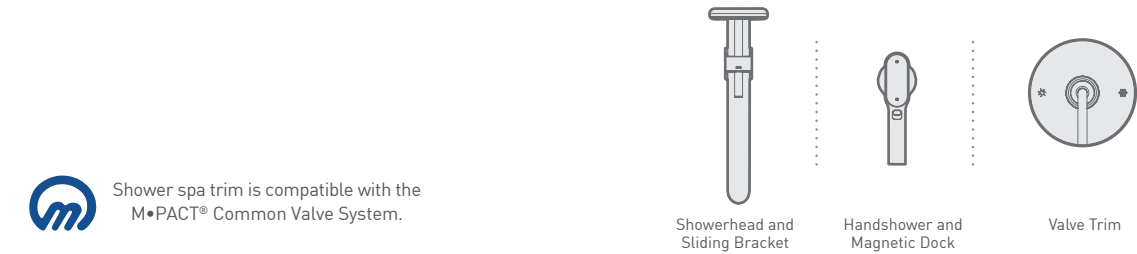
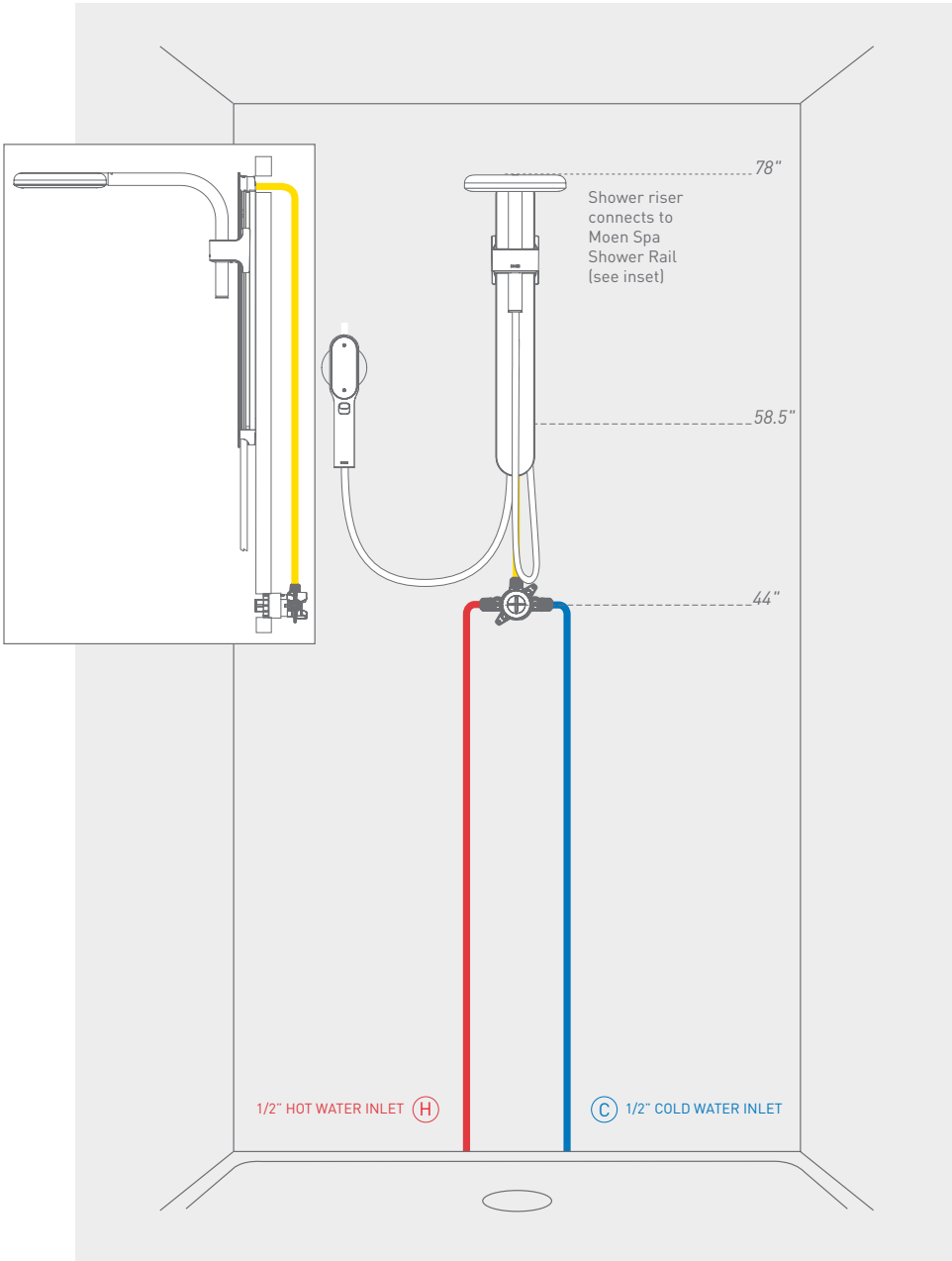
(Installation diagram on page 59.)

M-CORE® | Moen Spa Shower Rail

CONFIGURATION 01

M-CORE Mixing Valve with Moen Spa Shower Rail Two Showering Devices One Wall

- * M-CORE U130 (3-port) valves are recommended for shower-only applications
- * If the M-CORE U140 (4-port) valve is used in a shower-only application, then the tub port must be capped off
- * Moen Spa Shower Rail
- * Showerhead comes with integrated double check valve to prevent back-siphon
- * Flow shared between showerhead and handshower
 - Handshower has toggle switch to control on/off
 - Handshower is unable to flow by itself
- * Easily attaches to existing shower arm connection



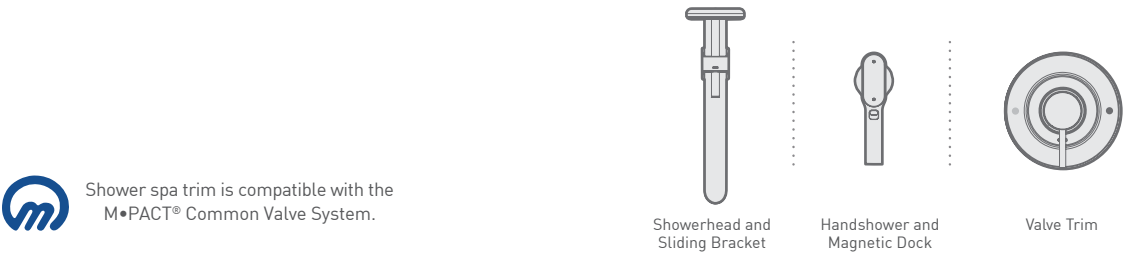
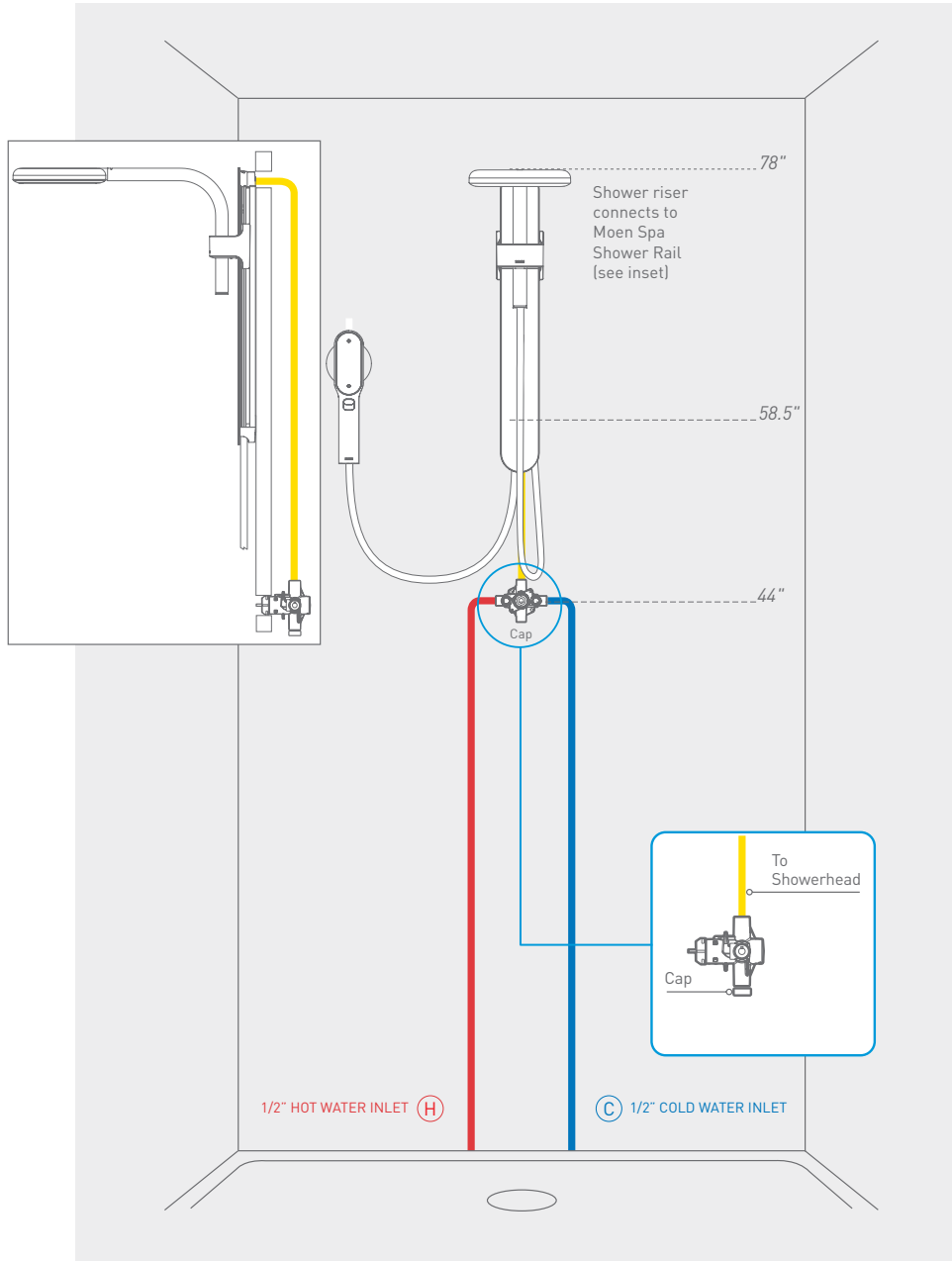
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

Posi-Temp® | Moen Spa Shower Rail

CONFIGURATION 02

Posi-Temp Mixing Valve with Moen Spa Shower Rail Two Showering Devices One Wall

- * Posi-Temp 3-port valves are recommended for shower-only applications
- * If the Posi-Temp 4-port valve is used in a shower-only application, then the tub port must be capped off
- * Moen Spa Shower Rail
- * Showerhead comes with integrated double check valve to prevent back-siphon
- * Flow shared between showerhead and handshower
 - Handshower has toggle switch to control on/off
 - Handshower is unable to flow by itself
- * Easily attaches to existing shower arm connection



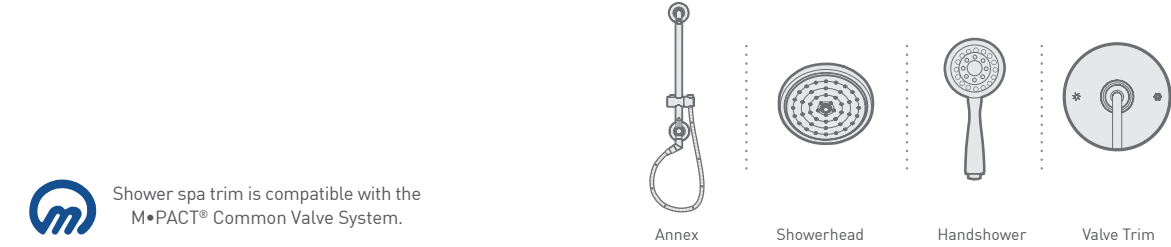
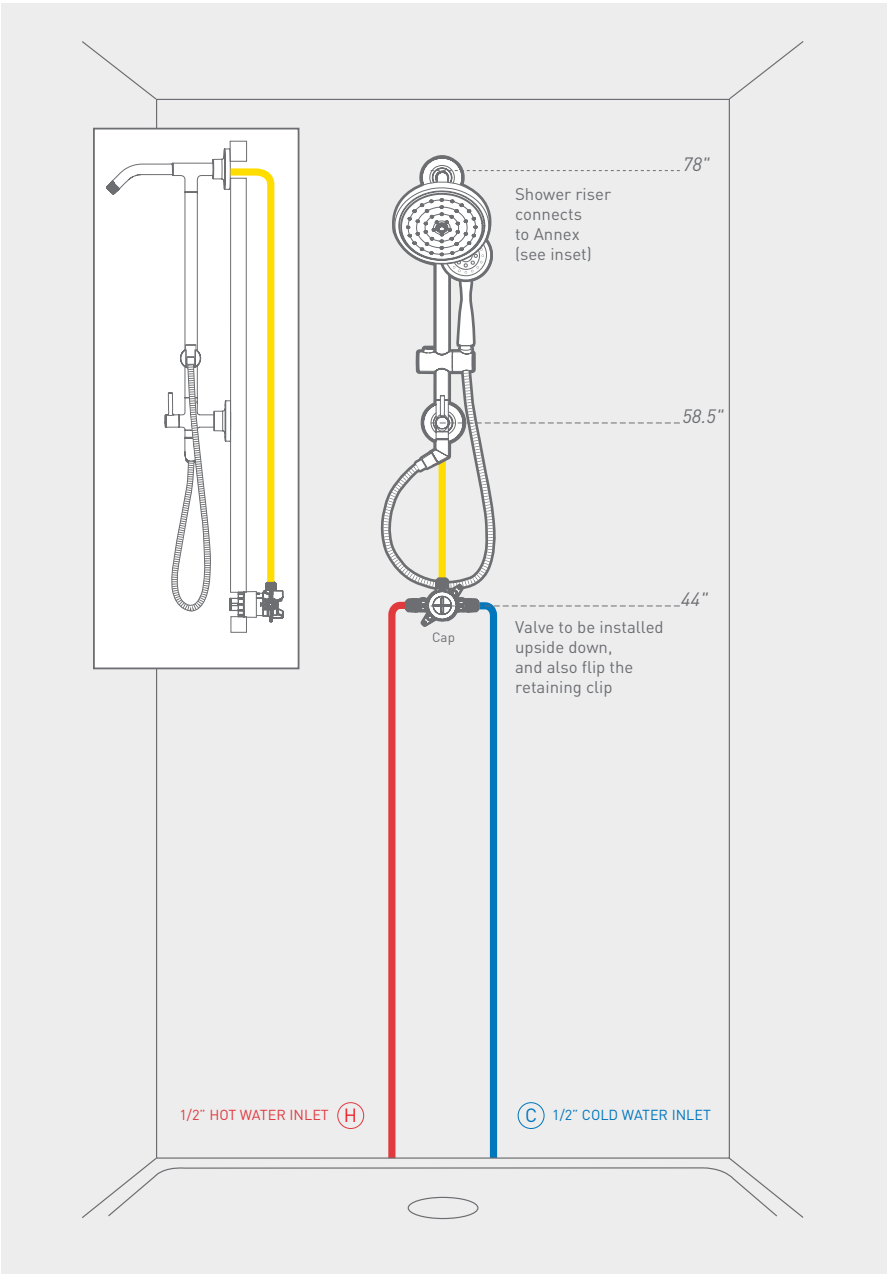
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

M-CORE® | Annex™ Shower Rail

CONFIGURATION 03

M-CORE Mixing Valve with Annex Shower Rail Two Showering Devices One Wall

- * M-CORE U130 (3-port) valves are recommended for shower-only applications
- * If the M-CORE U140 (4-port) valve is used in a shower-only application, then the tub port must be capped off
- * Annex shower rail
- * Showerhead and handshower sold separately
- * Integrated diverter: two independent functions
- * Easily attaches to existing shower arm connection without altering height



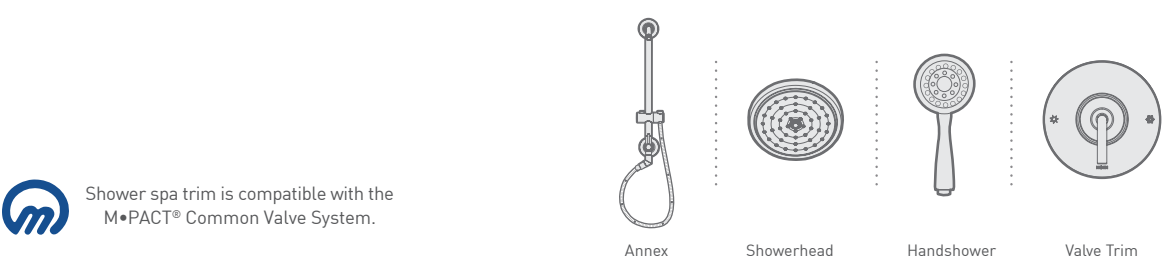
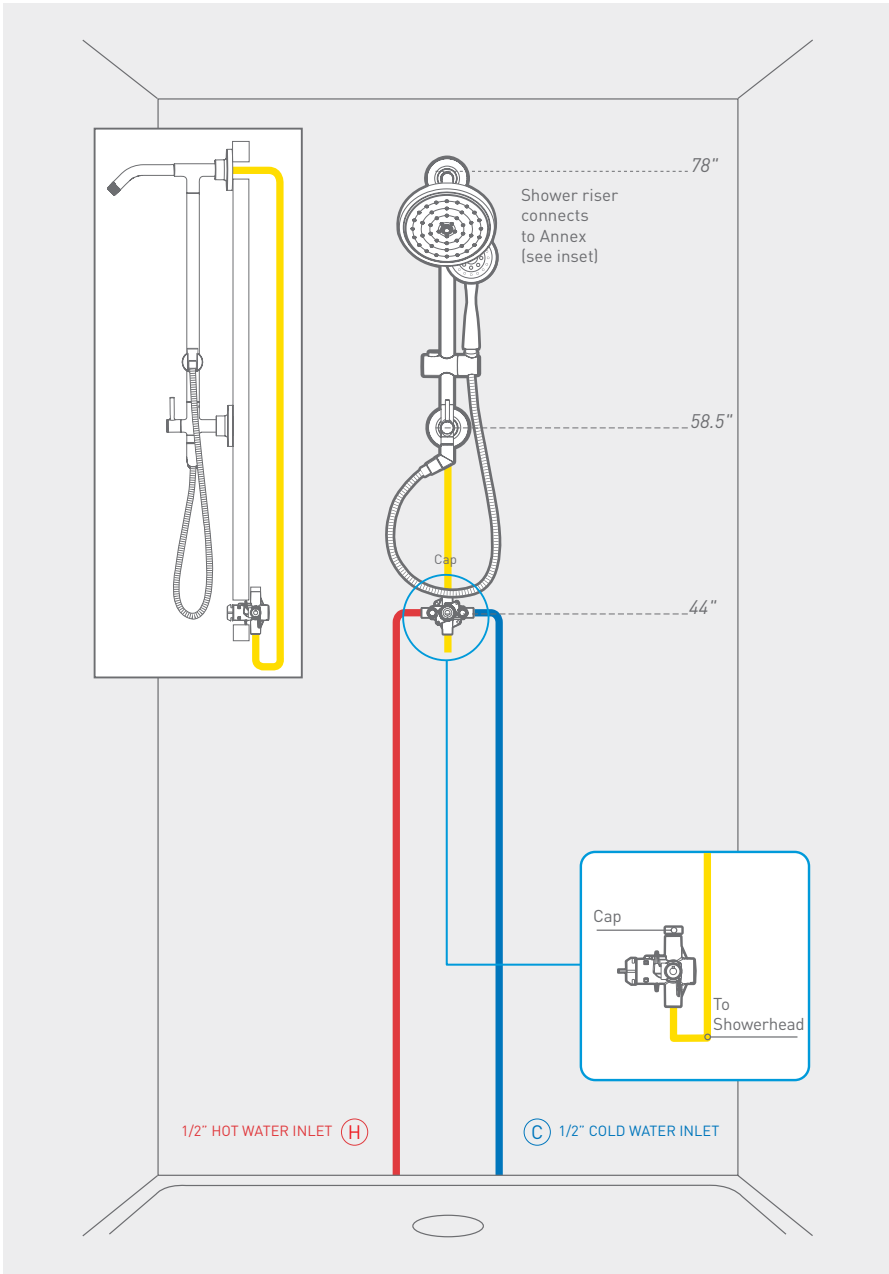
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

Posi-Temp® | Annex™ Shower Rail

CONFIGURATION 04

Posi-Temp Mixing Valve with Annex Shower Rail Two Showering Devices One Wall

- * Posi-Temp 3-port valves are recommended for shower-only applications
- * If the Posi-Temp 4-port valve is used in a shower-only application, then the shower port must be capped off
- * Annex shower rail
- * Showerhead and handshower sold separately
- * Integrated diverter: two independent functions
- * Easily attaches to existing shower arm connection without altering height



All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.



Colinet™ M-CORE® tub/shower (UTS344303BN)

TUB/SHOWER

A Higher Standard

Sometimes a freestanding tub is not in the plans, but you still want the convenience and luxury of a tub. Moen's tub/shower offerings provide the flexibility and reliability you need, with the style options to fit any design.

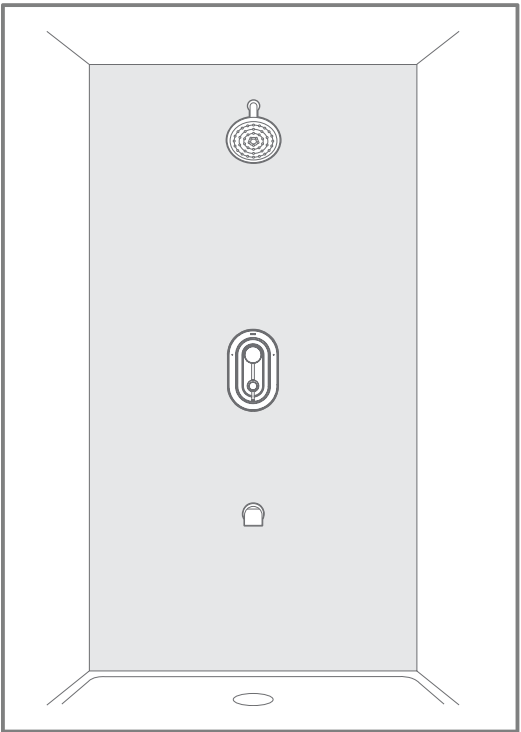


Glyde™ tub/shower (T2743)



Align® Posi-Temp® with integrated transfer valve trim (T2190), showerhead (S6320), non-diverter tub spout (3892)

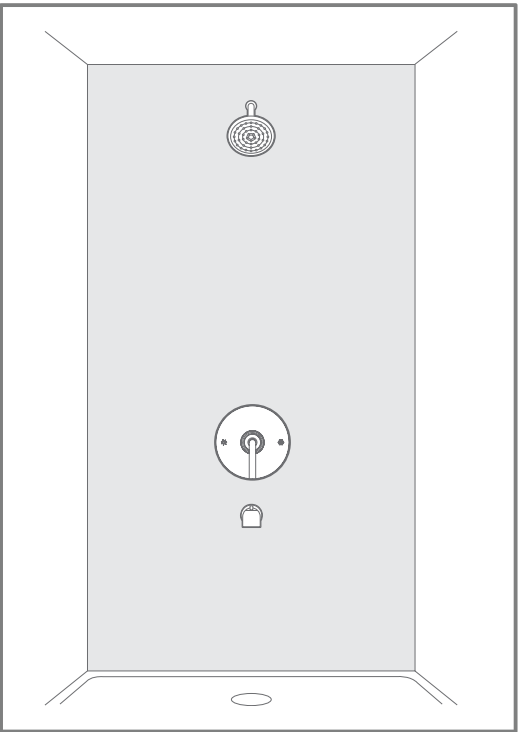
Posi-Temp®



Posi-Temp | Tub/Shower
CONFIGURATION 01

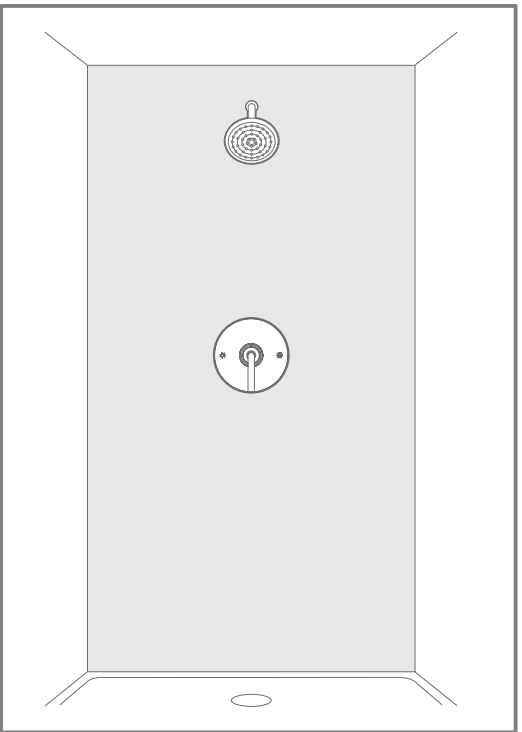
(Installation diagram on page 64.)

M-CORE®



M-CORE | Tub/Shower
CONFIGURATION 02

(Installation diagram on page 65.)



M-CORE | Shower Only
CONFIGURATION 03

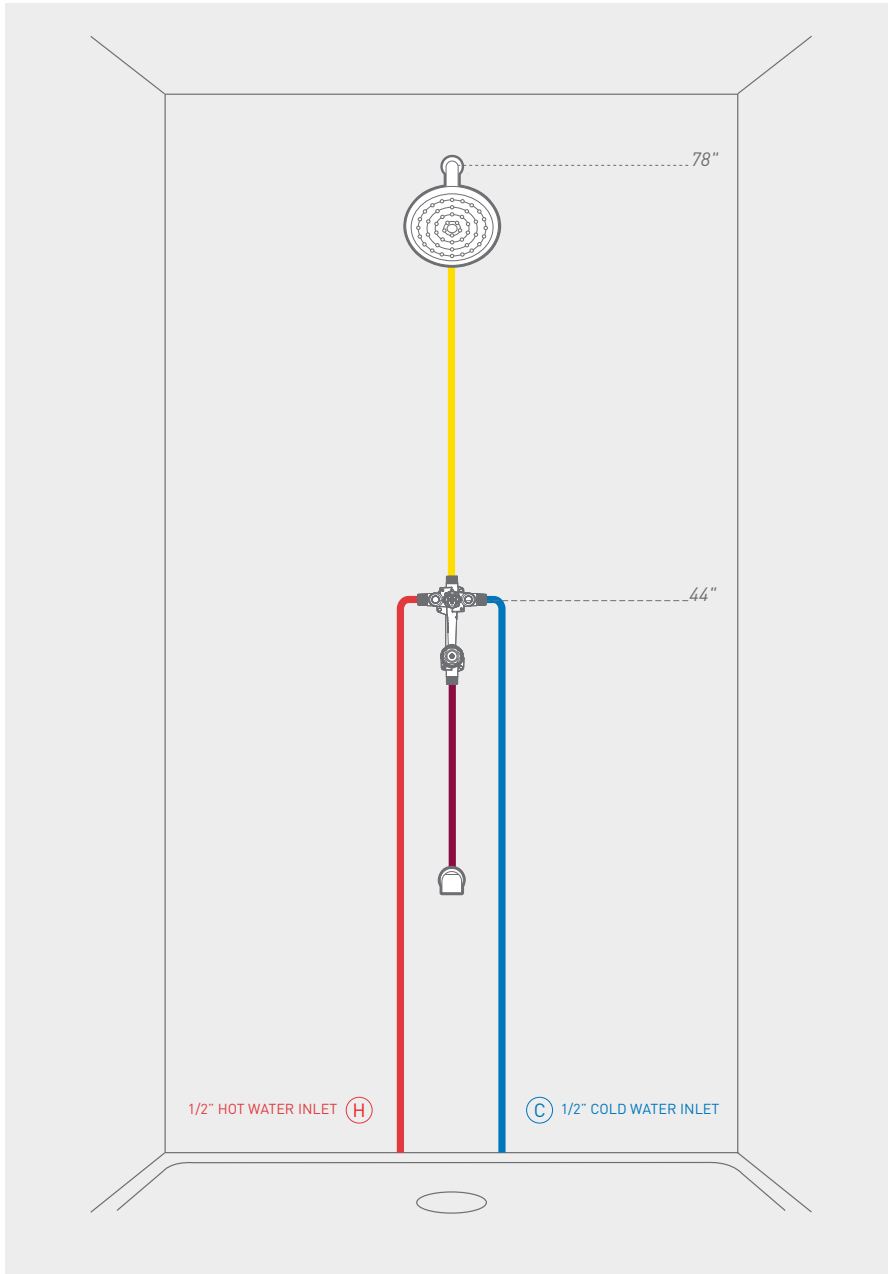
(Installation diagram on page 66.)


Posi-Temp® | Tub/Shower

CONFIGURATION 01


Posi-Temp Mixing Valve with Integrated Transfer Valve One Showering Device with Non-Diverter Tub Spout One Wall

- * Use the Posi-Temp 2521 or 2571 integrated transfer valve for two independent functions
- * Primary showerhead
- * Non-diverter tub spout

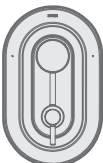




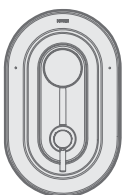
Showerhead, Arm and Flange




Non-Diverter Tub Spout




Integrated Valve Trim



Mixing Lever
Controls the temperature and on/off



Diverter Lever
Diverts water to various showering devices



Shower spa trim is compatible with the M•PACT® Common Valve System.

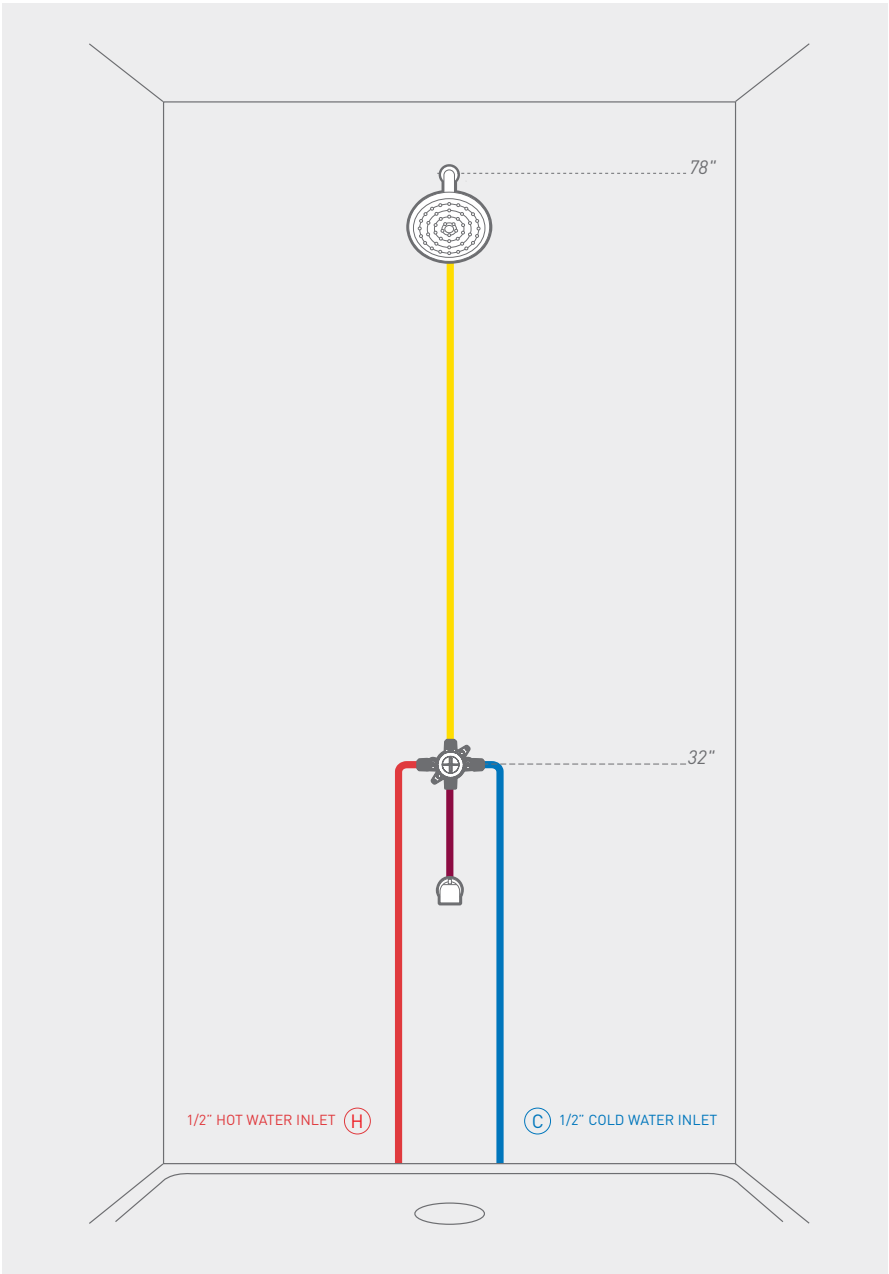
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

M-CORE® | Tub/Shower

CONFIGURATION 02

M-CORE Mixing Valve One Showering Device with Diverter Tub Spout One Wall

- * Use M-CORE U140 (4-port) mixing valves for tub/shower applications
- * Primary showerhead
- * Diverter tub spout





Showerhead, Arm and Flange



Valve Trim



Diverter Tub Spout



Shower spa trim is compatible with the M•PACT® Common Valve System.

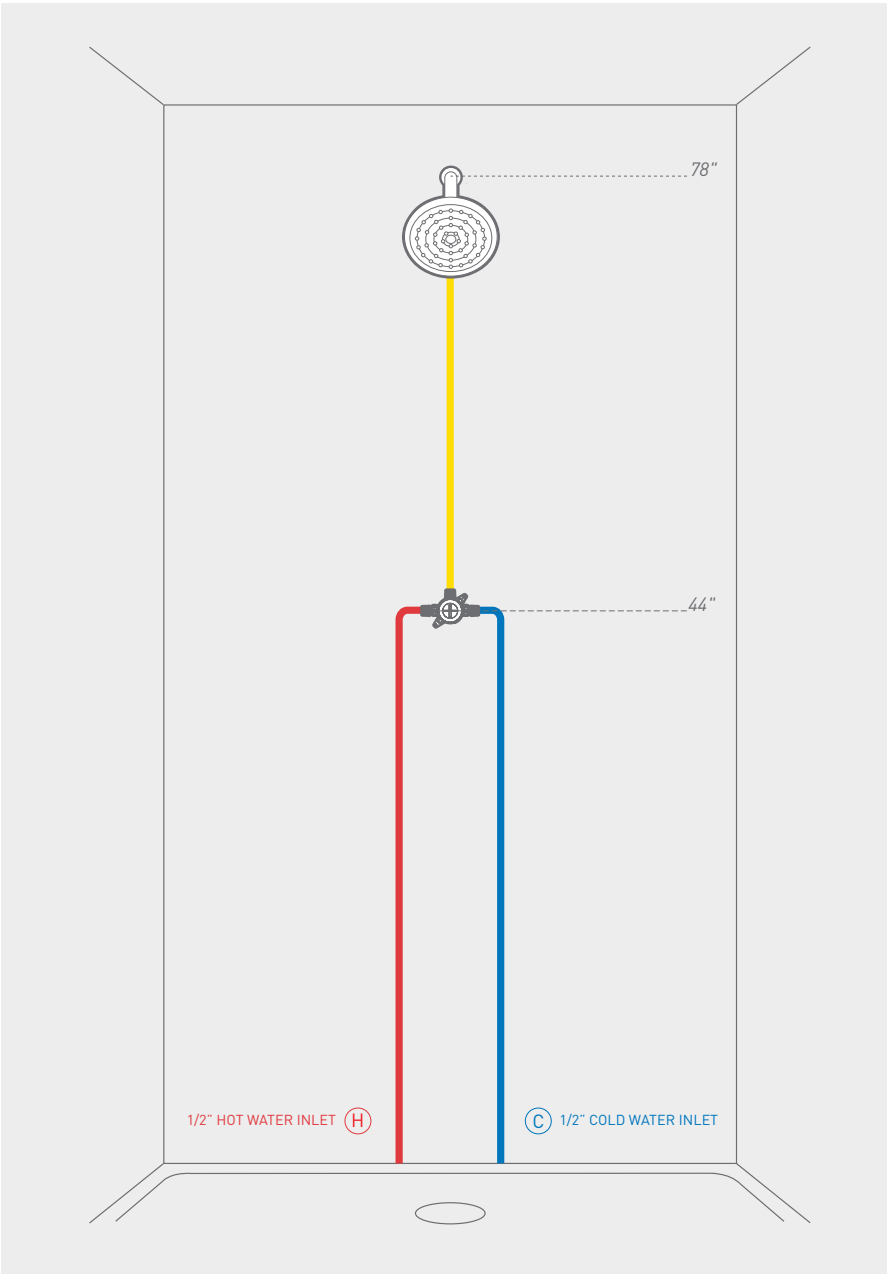
All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

M-CORE® | Shower

CONFIGURATION 03

M-CORE Mixing Valve
One Showering Device One Wall

- * Use M-CORE U130 (3-port) valves for shower-only applications
- * If the M-CORE U140 (4-port) valve is used in a shower-only application, then the tub port must be capped off
- * Primary showerhead






Showerhead,
Arm and Flange



Valve Trim

 Shower spa trim is compatible with the M•PACT® Common Valve System.

All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

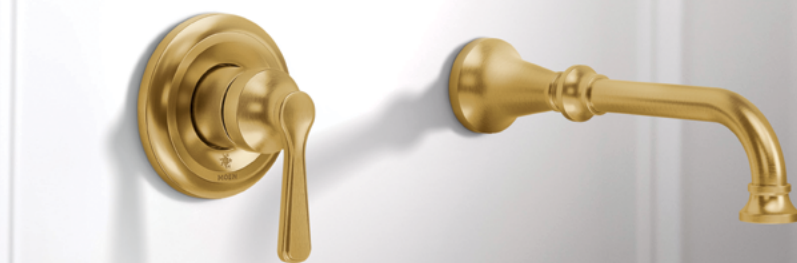


Cia™ M-CORE® 3-Series Shower Only (UT3362EPBG)

WALLMOUNT TUB FILLER

Filled with Comfort

Soak your troubles away with a customizable wallmount tub filler to fit any bathroom layout. Thoughtfully designed configurations let you draw baths with speed and ease; the compact spouts flow at an exceptional rate of 8 gallons per minute.

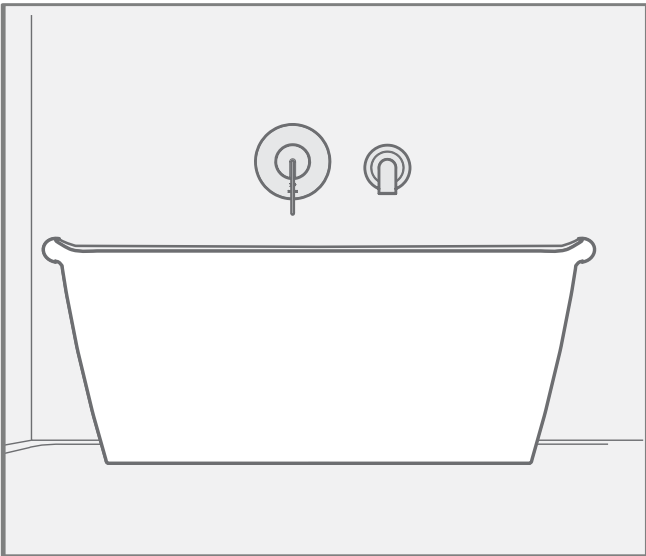


Colinet™ wallmount tub filler (WTS44501BG), Brushed Gold

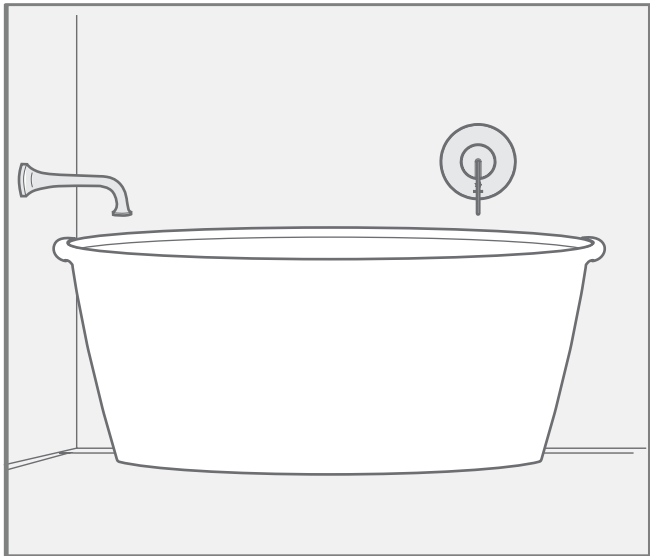


Cia™ one-handle wallmount tub filler (WT6221BL), Matte Black

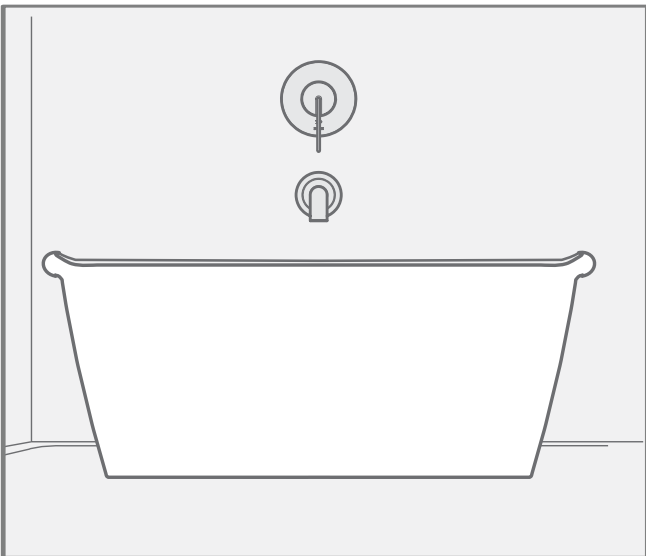
Wallmount Tub Filler



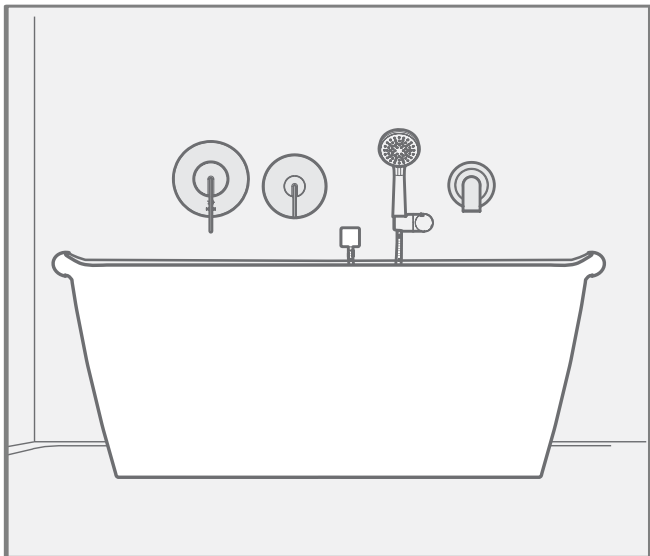
Wallmount Tub Filler | Together
CONFIGURATION 01
(Installation diagram on page 71.)



Wallmount Tub Filler | Separate
CONFIGURATION 02
(Installation diagram on page 72.)



Wallmount Tub Filler | Top and Bottom
CONFIGURATION 03
(Installation diagram on page 73.)



Wallmount Tub Filler | With Handshower
CONFIGURATION 04
(Installation diagram on page 74.)

Wallmount Tub Filler

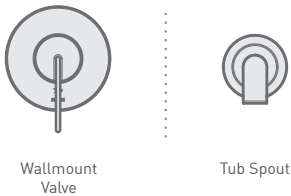
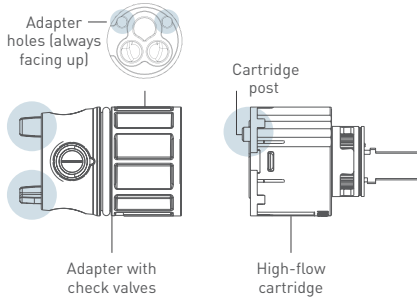
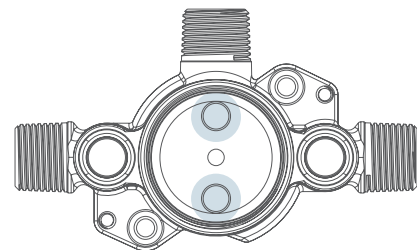
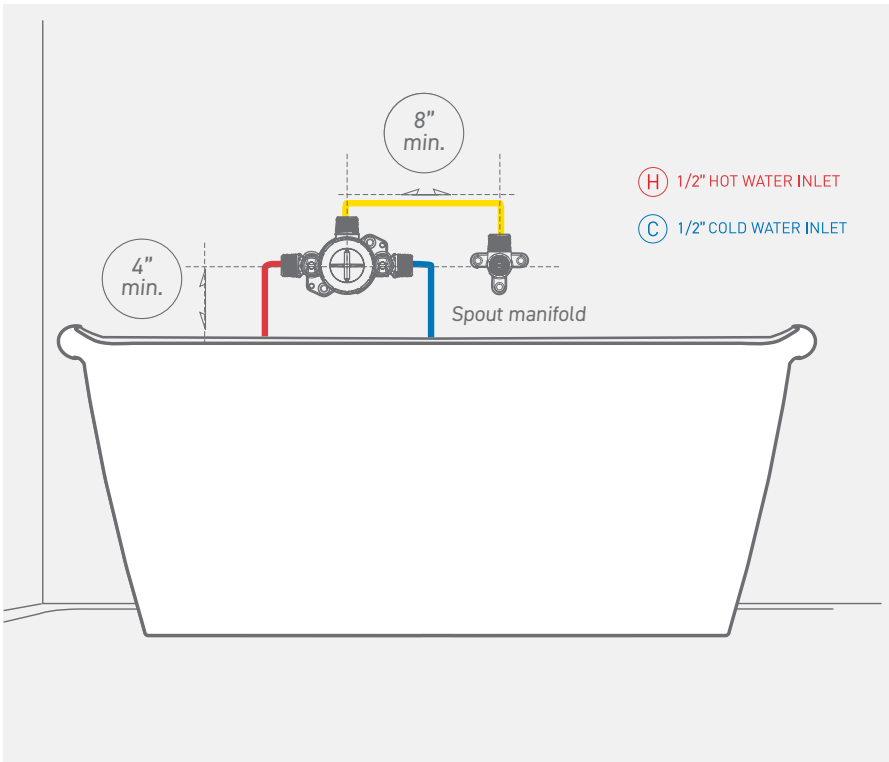
CONFIGURATION 01

One-Handle Wallmount Tub Filler Together

- * Use WMV130 valves for wallmount tub filler applications
- * Always mount tub filler spout using included manifold
- * Manifold should be mounted at least 4" above tub edge and at least 8" from valve center
- * For all installations, always plumb the hot side to the left valve port and the cold side to the right valve port
- * Primary wallmount tub spout

HORIZONTAL INSTALLATION

- * 1215 wallmount tub filler cartridge will always install in the same orientation
 - Adapter inserted with holes facing up
 - Cartridge seats on adapter, with posts mating into adapter holds



Shower spa trim is compatible with the M•PACT® Common Valve System.

All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

Wallmount Tub Filler

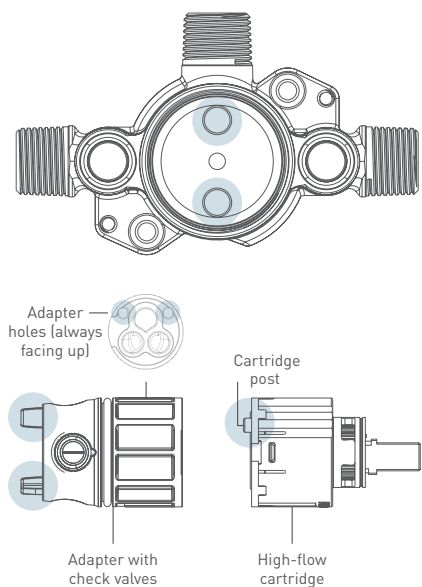
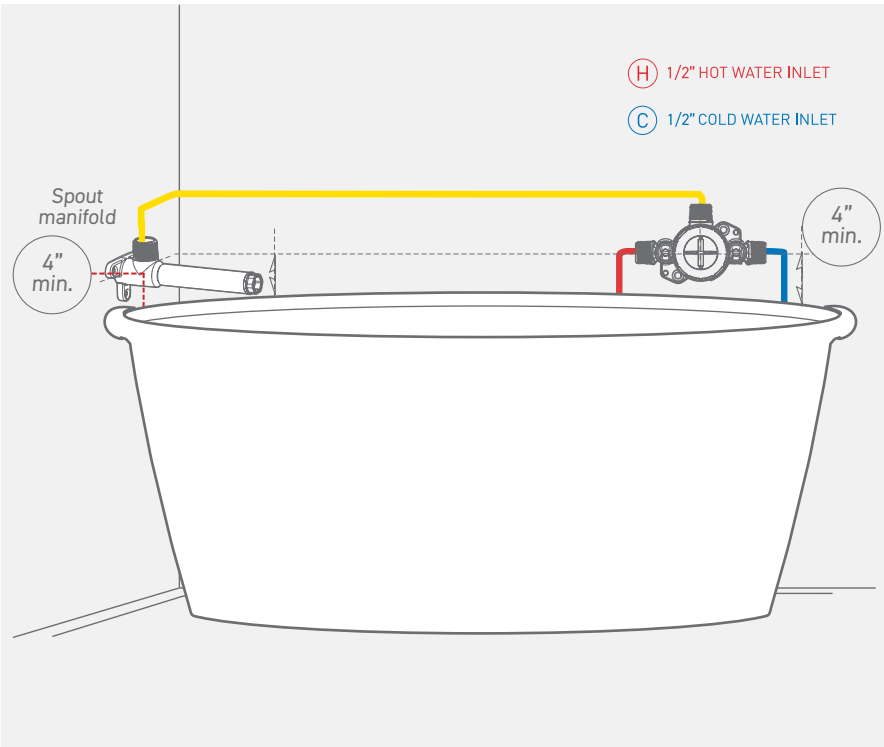
CONFIGURATION 02

One-Handle Wallmount Tub Filler
Separate

- * Use WMV130 valves for wallmount tub filler applications
- * Always mount tub filler spout using included manifold
- * Manifold should be mounted at least 4" above tub edge and at least 8" from valve center
- * For all installations, always plumb the hot side to the left valve port and the cold side to the right valve port
- * Primary wallmount tub spout

HORIZONTAL INSTALLATION

- * 1215 wallmount tub filler cartridge will always install in the same orientation
 - Adapter inserted with holes facing up
 - Cartridge seats on adapter, with posts mating into adapter holds



Shower spa trim is compatible with the M•PACT® Common Valve System.

Wallmount Tub Filler

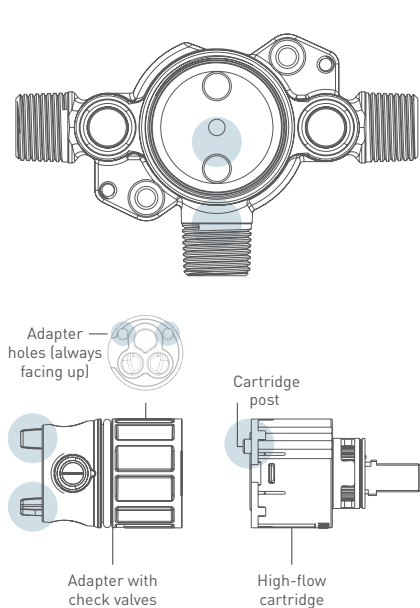
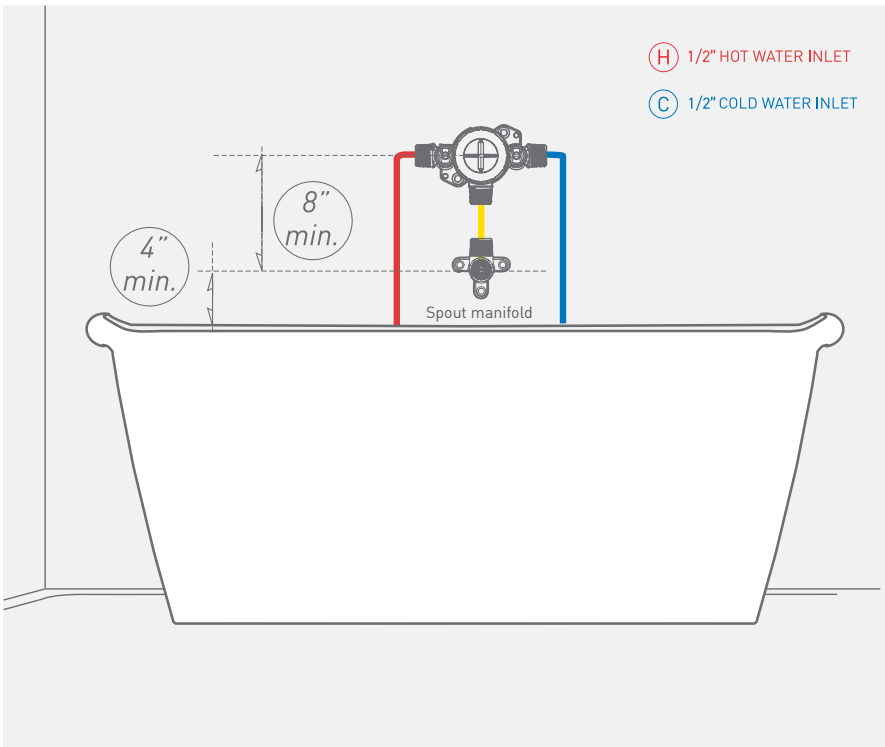
CONFIGURATION 03

One-Handle Wallmount Tub Filler
Top and Bottom

- * Use WMV130 valves for wallmount tub filler applications
- * Always mount tub filler spout using included manifold
- * Manifold should be mounted at least 4" above tub edge and at least 8" from valve center
- * For top and bottom installation, rotate valve 180° (outlet down)
- * For all installations, always plumb the hot side to the left valve port and the cold side to the right valve port
- * Primary wallmount tub spout

VERTICAL INSTALLATION

- * 1215 wallmount tub filler cartridge will always install in the same orientation
 - Adapter inserted with holes facing up
 - Cartridge seats on adapter, with posts mating into adapter holds



Shower spa trim is compatible with the M•PACT® Common Valve System.

All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.

Wallmount Tub Filler

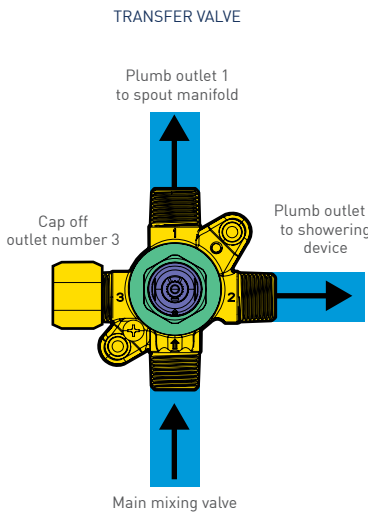
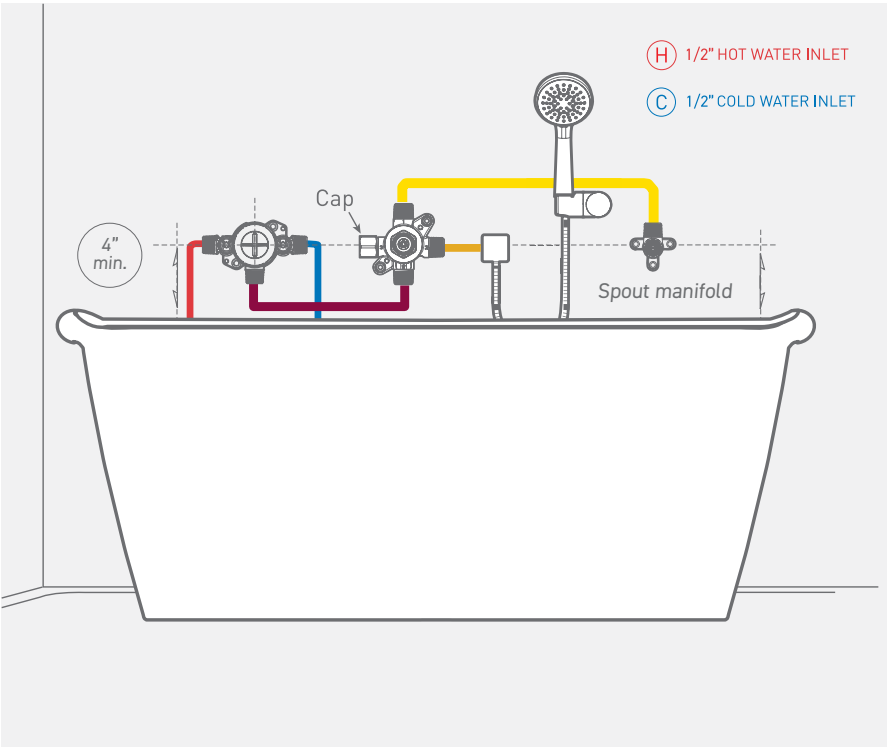
CONFIGURATION 04

One-Handle Wallmount Tub Filler with Handshower


- * Use WMV130 valves for wallmount tub filler applications
- * Always mount tub filler spout using included manifold
- * Manifold should be mounted at least 4" above tub edge and at least 8" from valve center
- * For all installations, always plumb the hot side to the left valve port and the cold side to the right valve port
- * Primary wallmount tub spout
- * Moen handshowers come with an integrated double check valve to prevent back-siphon

TRANSFER VALVE

- * Use the M-CORE U231 transfer valve for two independent functions; cap off third outlet



IMPORTANT - Plumb showering outlets as valve diagram recommends. Plumbing two outlets will require capping port number 3.

 Shower spa trim is compatible with the M•PACT® Common Valve System.

All vertical dimensions measured from the floor. Dimensions listed are suggested. Refer to specification sheet for critical dimensions for installation.



Colinet™ wallmount tub filler (WTS44501BN), Brushed Nickel



Moen Smart Shower | Matte Black

Moen Smart Showering Specs

Type	Digital Thermostatic (meets applicable thermostatic safety codes)
Functionality	<ul style="list-style-type: none">• Wi-Fi/cloud-based digital shower with mobile connectivity• Control by voice activation, smartphone app or soft-touch, wallmount controller• Dial-in temperature with precise accuracy• Warmup and pause mode• Store two preset shower experiences on the controller with up to 12 total in the app• Optional shower timer
Spa Compatibility	2-outlet valve (S3102) supplies two shower devices 4-outlet valve (S3104) supplies up to four shower devices
Trim	Controller available in Terra Beige or Matte Black
Temperature Limit Stops	Set at 115°, adjustable up to 120°F
Inlet Size	3/4" on 4-outlet valve, 1/2" on 2-outlet valve
Outlet Size	1/2"
Connection Options	CC



2-Outlet Valve with Controller



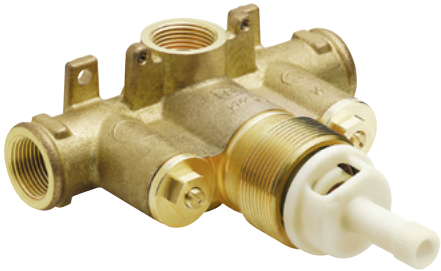
4-Outlet Valve with Controller



ExactTemp® Specs

ExactTemp 3/4" Thermostatic Valve

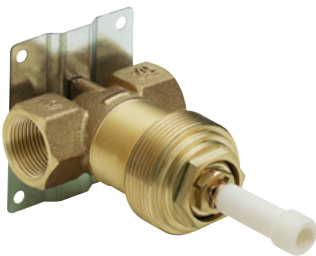
Type	Thermostatic (meets applicable thermostatic safety codes)
Functionality	<ul style="list-style-type: none">• Dial in and maintain pinpoint temperature• Automatically adjusts to maintain temperature when there is fluctuation in hot/cold water supply• Temperature memory: dial stays in the same temperature position last used and returns to the temperature within a few seconds
Spa Compatibility	Yes, must be used with at least one 3/4" volume control valve (S3600)
Trim	M•PACT® Common Valve System
Temperature Limit Stops	Adjustable, safety temperature stops at 105°, but can override to 120°
Stops	Check stops
Inlet Size	3/4"
Outlet Size	3/4"
Connection Options	IPS



3/4" Thermostatic Valve

ExactTemp 3/4" Volume Control Valve

Type	Volume control
Functionality	Turn on/off an individual shower device and adjust the volume of water going to that device
Trim	M•PACT Common Valve System
Inlet Size	3/4" (accepts 1/2" adapter)
Outlet Size	3/4" (accepts 1/2" adapter)
Connection Options	IPS



3/4" Volume Control Valve

Inlet Connection Options
3/4" IPS



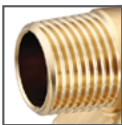
M-CORE® Specs

M-CORE with Integrated Transfer Valve

Type	Pressure balancing (meets applicable pressure-balancing safety codes)
Functionality	<ul style="list-style-type: none">• Balances ratio of incoming hot and cold water to maintain desired temperature• Directs water to two or three different showering devices
Spa Compatibility	Yes, options include: two independent functions, three independent functions, two independent with one shared functions or three independent with three shared functions
Trim	<ul style="list-style-type: none">• M•PACT® Common Valve System• Mixing valve cartridge is included with the trim• Transfer valve cartridge is included with the valve
Temperature Limit Stops	<ul style="list-style-type: none">• Adjustable• Located on mixing valve cartridge
Stops	Quarter-turn
Inlet Size	1/2"
Outlet Size	1/2"
Connection Options	CC/IPS, PEX cold expansion, PEX crimp ring



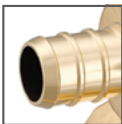
Integrated Transfer Valve



CC/IPS



PEX Cold Expansion



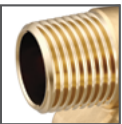
PEX Crimp Ring

M-CORE Transfer Valve

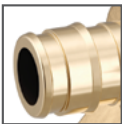
Type	Transfer valve
Functionality	<ul style="list-style-type: none">• Directs water to two or three different showering devices• Use with M-CORE or Posi-Temp® mixing valves
Spa Compatibility	Yes, options include: two independent functions, three independent functions, two independent with one shared functions or three independent with three shared functions.
Trim	<ul style="list-style-type: none">• M•PACT Common Valve System• Transfer valve cartridge is included with the valve
Temperature Limit Stops	N/A
Integral Stops	N/A
Inlet Size	1/2"
Outlet Size	1/2"
Connection Options	CC/IPS, PEX cold expansion, PEX crimp ring



M-CORE Transfer Valve



CC/IPS



PEX Cold Expansion

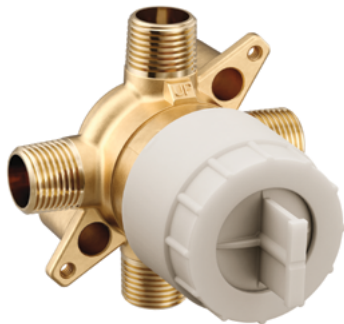


PEX Crimp Ring

M-CORE® Specs

M-CORE Mixing Valve

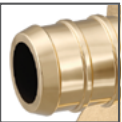
Type	Pressure balancing (meets applicable pressure-balancing safety codes) when used with M-CORE 2- and 3-Series trim Thermostatic (meets applicable thermostatic safety codes) when used with M-CORE 4-Series trim
Functionality	Balances ratio of incoming hot and cold water to maintain desired temperature - when used with M-CORE 2- and 3-Series trim Dial in and maintain pinpoint temperature - when used with M-CORE 4-Series trim
Spa Compatibility	Yes, when used with transfer valve or shower rails
Trim	<ul style="list-style-type: none">• M-PACT Common Valve System• Mixing valve cartridge is included with the trim• Compatible with 2-, 3- and 4-Series trim
Temperature Limit Stops	<ul style="list-style-type: none">• Adjustable• Located on mixing valve cartridge
Stops	Available with or without quarter-turn stops
Inlet Size	1/2"
Outlet Size	1/2"
Connection Options	CC/IPS, PEX crimp ring, PEX cold expansion, CPVC (4-port only)



M-CORE 4-Port Mixing Valve



CC/IPS



PEX Crimp Ring with CC/IPS



PEX Cold Expansion with CC/IPS

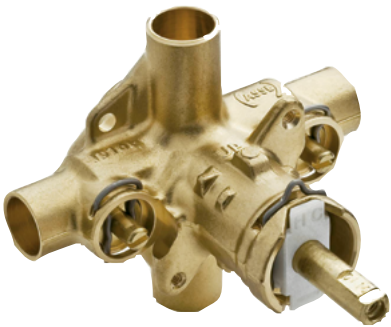


CPVC with CC/IPS 4-Port Only

Posi-Temp® Specs

Posi-Temp Valve

Type	Pressure balancing (meets applicable pressure-balancing safety codes)
Functionality	Balances ratio of incoming hot and cold water to maintain desired temperature
Spa Compatibility	Yes, when used with a transfer valve or shower rails
Trim	M•PACT® Common Valve System
Temperature Limit Stops	Adjustable
Stops	Available with or without quarter-turn stops
Inlet Size	1/2"
Outlet Size	1/2"
Connection Options	CC, IPS, PEX crimp ring, PEX cold expansion, CPVC



Posi-Temp Valve



IPS



CC



PEX



PEX Cold Expansion



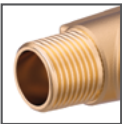
CPVC

Posi-Temp Integrated Transfer Valve

Type	Pressure balancing (meets applicable pressure-balancing safety codes)
Functionality	<ul style="list-style-type: none">• Balances ratio of incoming hot and cold water to maintain desired temperature• Directs water to two or three different showering devices
Spa Compatibility	Yes, options include: two independent functions, two independent and one shared functions
Trim	M•PACT Common Valve System
Temperature Limit Stops	Available with or without quarter-turn stops
Stops	Quarter-turn
Inlet Size	1/2"
Outlet Size	1/2"
Connection Options	IPS



Integrated Transfer Valve



IPS

M-CORE and Posi-Temp® mixing valves are also available in a prefabricated version. See pages 451, 455 and 456 in the Moen price catalog MF36.

M-CORE® and Posi-Temp mixing valves are also available in a prefabricated version. See pages 451, 455 and 456 in the Moen price catalog MF36.

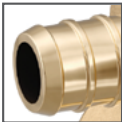
Wallmount Tub Valve Specs

Wallmount Tub Filler Valve and Manifold Kit

Type	Volume control and temperature control
Trim	<ul style="list-style-type: none">• M•PACT® Common Valve System• Mixing valve cartridge is included with the trim
Cartridge	8 GPM non-pressure-balancing volume control cartridge
Temperature Limit Stops	<ul style="list-style-type: none">• Adjustable• Located on mixing valve cartridge
Stops	Stops included
Inlet Size	1/2"
Outlet Size	1/2"
Connection Options	CC/IPS, PEX crimp ring, PEX cold expansion
Spout Shank	1/2" slip fit connection: inlet matches valve connection type



CC/IPS



PEX Crimp Ring



PEX Cold Expansion



Valves

M-CORE® Transfer Valve Plumbing Configurations

Plumb as recommended below for proper diverting functionality of showering devices.

TWO INDEPENDENT FUNCTIONS

Function 1: Independent

Handle Position

Handle Rotation: Clockwise from 6 o'clock to 10 o'clock

Function 2: Independent

Handle Position

THREE INDEPENDENT FUNCTIONS

Function 1: Independent

Handle Position

Handle Rotation: 360°

Function 2: Independent

Handle Position

Function 3: Independent

Handle Position

THREE FUNCTIONS - TWO INDEPENDENT AND ONE SHARED FUNCTIONS

Function 1: Independent

Handle Position

Handle Rotation: Clockwise from 6 o'clock to 10 o'clock

Function 2: Shared

Handle Position

Function 3: Independent

Handle Position

SIX FUNCTIONS - THREE INDEPENDENT AND THREE SHARED FUNCTIONS

Function 1: Independent

Handle Position

Function 2: Shared

Handle Position

Function 3: Independent

Handle Position

Function 4: Shared

Handle Position

Handle Rotation: 360°

Function 5: Independent

Handle Position

Function 6: Shared

Handle Position

NOTES: Outlet 1: to primary showering device | Outlet 2: to second showering device | Outlet 3: to third showering device

Shower Valve Flow Rates

Flow Rate vs. Flowing Inlet Pressure of Moen Showering Valves (Unrestricted)

Valve	Flow Rate at 20 PSI (gpm)	Flow Rate at 40 PSI (gpm)	Flow Rate at 60 PSI (gpm)	Flow Rate at 80 PSI (gpm)	Flow Rate at 100 PSI (gpm)	Flow Rate at 120 PSI (gpm)
1. 3/4" ExactTemp® S3371 3/4" ExactTemp	11.4	15.7	18.0			
2. Smart Shower – 4-Outlet S3104 4-Outlet	9.0	13.0	16.0			
3. Volume Control S3600 Volume Control	6.0	8.5	10.0			
4. Smart Shower – 2-Outlet S3102 2-Outlet	6.0	8.5	10.0			
5. Posi-Temp® Tub Port 4-Port Valves	3.6	5.1	6.3			
6. Posi-Temp Shower Port 3-Port Valves	3.6	5.1	6.3			
7. M-CORE® 4-Series Tub Port	2.9	4.3	5.3			
8. M-CORE 4-Series Shower Port	3.1	4.6	5.8			
9. M-CORE 3-Series Tub Port	3.1	4.6	5.8			
10. M-CORE 3-Series Shower Port	3.1	4.6	5.8			
11. M-CORE 2-Series Tub Port	3.5	5.1	6.4			
12. M-CORE 2-Series Shower Port	3.5	5.1	6.4			
13. M-CORE with Transfer	3.0	4.5	5.6			
14. Posi-Temp Shower Port 4-Port Valve	2.1	3.2	4.0			
15. Posi-Temp with Integrated Transfer Valve	3.0	4.0	5.0			

1. 3/4" ExactTemp®
S3371 3/4" ExactTemp: 18.0 gpm

2. Smart Shower – 4-Outlet
S3104 4-Outlet: 16.0 gpm

3. Volume Control
S3600 Volume Control: 13+ gpm

4. Smart Shower – 2-Outlet
S3102 2-Outlet: 10.3 gpm

5. Posi-Temp® Tub Port 4-Port Valves
Flow at Tub: 6.3 gpm

6. Posi-Temp Shower Port 3-Port Valves
Flow at Tub: 6.3 gpm

7. M-CORE® 4-Series Tub Port
Flow at Tub: 5.7 gpm

8. M-CORE 4-Series Shower Port
Flow at Shower: 5.3 gpm

9. M-CORE 3-Series Tub Port
Flow at Tub: 6.2 gpm

10. M-CORE 3-Series Shower Port
Flow at Shower: 5.8 gpm

11. M-CORE 2-Series Tub Port
Flow at Tub: 6.7 gpm

12. M-CORE 2-Series Shower Port
Flow at Shower: 6.4 gpm

13. M-CORE with Transfer
Two Outlets: 5.6 gpm

14. Posi-Temp Shower Port 4-Port Valve
Flow at Shower: 4.0 gpm

15. Posi-Temp with Integrated Transfer Valve
Two Outlets: 5.0 gpm

Shower Spa Installation Recommendations

Graph line	Valve	Flow rate through shower port (gpm) @ 20 PSI	Flow rate through shower port (gpm) @ 40 PSI	Flow rate through shower port (gpm) @ 60 PSI	Use with 2- or 3-function transfer	Maximum components
1	3/4" ExactTemp S3371	11.4	15.7	18.0	No	Four components: Any combination of showerheads, handshowers and body sprays (four max.)
2	Smart Shower 4-Outlet S3104	9.0	13.0	16.0	No	Four components: Any combination of showerheads, handshowers and body sprays (four max.)
4	Smart Shower 2-Outlet S3102	6.0	8.5	10.0	No	Showerhead, handshower or showerhead, two body sprays
6	Posi-Temp 3-Port Valves	3.6	5.1	6.3	Yes	Showerhead, handshower or showerhead, two body sprays*
8	M-CORE 4-Series Shower Port	2.9	4.3	5.3	Yes	Showerhead, handshower or showerhead, two body sprays*
10	M-CORE 3-Series Shower Port	3.1	4.6	5.8	Yes	Showerhead, handshower or showerhead, two body sprays*
12	M-CORE 2-Series Shower Port	3.5	5.1	6.4	Yes	Showerhead, handshower or showerhead, two body sprays*
13	M-CORE with Transfer	3.0	4.5	5.6	No	Showerhead, handshower or showerhead, two body sprays*
14	Posi-Temp Shower Port 4-Port Valves	2.1	3.2	4.0	Yes	Showerhead, handshower*
15	Posi-Temp with Integrated Transfer Valves	3.0	4.0	5.0	No	Showerhead, handshower

* Min. 50 PSI recommended when plumbing a showerhead and two body sprays for shared flow.

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MOEN SHOWER PLANNING GUIDE 85


Choose the Right Moen Shower Valve for Your Bathroom

How to Choose the Right Valve


VALVE OPTIONS AT A GLANCE

Shower Valve for Your Bathroom


How to Choose the Right Valve




Moen Smart Shower 2-Outlet Valve**




Moen Smart Shower 4-Outlet Valve**




ExactTemp® ¾" Thermostatic Valve***




M-CORE® Thermostatic Cartridge (1214 Series)




M-CORE® with Multifunction Transfer Valve




M-CORE® Mixing Valve Body




M-CORE® Pressure-Balancing Volume Control Cartridge




M-CORE® Pressure-Balancing Temperature Control Cartridge




Posi-Temp® Pressure-Balancing Cycling Valve*




ExactTemp® Volume Control



M-CORE® Transfer Valve



Moen Spa Shower Retrofit onto existing plumbing; no need to go behind the wall



Annex™ Without disturbing the existing wall, add on to existing shower

	Thermostatic Valves and Cartridge				Pressure-Balancing Valves and Cartridges					Volume Control and Transfer Valves				
COMFORT FEATURES														
Personalization Create settings for every occasion — post workouts, lazy mornings and more.	●	●												
Temperature consistency Water temperature won't fluctuate even as the hot water in your tank gets low.	●	●	●	●										
Maximum-flow shower spa experience Provides the greatest balance of force, flow and coverage in a Moen shower spa.	●	●	●											
Shower spa compatible Add an extra showerhead or handshower, or design a complete shower spa experience.	●	●	●		●	●			●	●	●	●	●	●
CONVENIENCE FEATURES														
Remote activation Sync your shower to your smartphone to start, stop and pause remotely.	●	●												
Precision thermostatic control Dial up the same water temperature every day, just like a thermostat.	●	●	●	●										
Voice activation Activate your shower with the sound of your voice.	●	●												
Volume control Lets you adjust the amount of water that flows through your tub/shower from a gentle stream to full force.			●	●			●			●				
Temperature memory Dial stays in the same temperature position you last used and returns to that temperature within a few seconds.			●	●			●							
Warm up and pause Save water by having the shower warm up to temperature and pause until you are ready to get in.	●	●												
SAFETY FEATURES														
Maximum temperature setting You can set the hottest temperature setting.	●	●	●	●			●	●	●	N/A	N/A	N/A	N/A	N/A
Meets applicable pressure-balancing or thermostatic safety codes	●	●	●	●			●	●	●	N/A	N/A	N/A	N/A	N/A
DEPENDABILITY FEATURES														
Limited lifetime warranty	●	●	●	●			●	●	●	●	●	●	●	●
Easy-to-replace cartridge	N/A	N/A	●	●			●	●	●	●	●	N/A	N/A	N/A

NEW

* Must be used with M-CORE® transfer valve U231 or U361 series to obtain shower spa compatibility.

** Smart Shower is warranted for five years against leaks, drips and operation defects to the original consumer purchaser; one-year warranty if used in commercial applications. Five-year warranty on digital components, limited lifetime trim warranty.

*** Use with ExactTemp ¾" volume control valves.

Please see [moen.com/consumer-support/warranty](#) for complete product warranty information.

Valves - Options for your showering system needs

Model Number	Description	Category	Stops/ Check Stops	Ports	CC Inlets/CC Outlets	CC/IPS Inlets & Outlet(s)
S3104	Moen Smart Showering 4-outlet	Digital Thermostatic	N/A	6	●	
S3102	Moen Smart Showering 2-outlet	Digital Thermostatic	N/A	4	●	
S3371	ExactTemp® 3/4" IPS connection includes check stops	ExactTemp	Check Stops	4		
S3600	Volume control 3/4" IPS connection	ExactTemp	N/A	2		
U130CI	M-CORE® 1/2" CC/IPS with flush plug	M-CORE	N/A	3		●
U130X	M-CORE 1/2" PEX with flush plug	M-CORE	N/A	3		
U130CX	M-CORE 1/2" cold PEX with flush plug	M-CORE	N/A	3		
U130CIS	M-CORE 1/2" CC/IPS with stops and flush plug	M-CORE	Stops	3		●
U130XS	M-CORE 1/2" PEX with stops and flush plug	M-CORE	Stops	3		
U130CXS	M-CORE 1/2" cold PEX with stops and flush plug	M-CORE	Stops	3		
U140CI	M-CORE 1/2" CC/IPS with flush plug	M-CORE	N/A	4		●
U140X	M-CORE 1/2" PEX with flush plug	M-CORE	N/A	4		
U140CX	M-CORE 1/2" cold PEX with flush plug	M-CORE	N/A	4		
U140V	M-CORE 1/2" CPVC with flush plug	M-CORE	N/A	4		
U140CIS	M-CORE 1/2" CC/IPS with stops and flush plug	M-CORE	Stops	4		●
U140XS	M-CORE 1/2" PEX with stops and flush plug	M-CORE	Stops	4		
U140CXS	M-CORE 1/2" cold PEX with stops and flush plug	M-CORE	Stops	4		
U140VS	M-CORE 1/2" CPVC with stops and flush plug	M-CORE	Stops	4		
U140X-PF	M-CORE 1/2" PEX with flush plug and drop	M-CORE	N/A	4		
U140CX-PF	M-CORE 1/2" cold PEX with flush plug and drop	M-CORE	N/A	4		
U140XS-PF	M-CORE 1/2" PEX with stops, flush plug and drop	M-CORE	Stops	4		
U140CXS-PF	M-CORE 1/2" cold PEX with stops, flush plug and drop	M-CORE	Stops	4		
U232CIS	M-CORE 1/2" CC/IPS with stops and transfer	2F/3F Stacked M-CORE	Stops	5		●
U232CXS	M-CORE 1/2" cold PEX with stops and transfer	2F/3F Stacked M-CORE	Stops	5		
U232XS	M-CORE 1/2" PEX with stops and transfer	2F/3F Stacked M-CORE	Stops	5		
U362CIS	M-CORE 1/2" CC/IPS with stops and transfer	3F/6F Stacked M-CORE	Stops	5		●
U362CXS	M-CORE 1/2" Cold PEX with stops and transfer	3F/6F Stacked M-CORE	Stops	5		

IPS Inlets/IPS Outlets	PEX Inlets and Outlet(s)	PEX Inlets/CC Outlets	PEX Inlets and Shower Outlet/CC/IPS Tub Outlet	PEX Inlets and Shower Outlet/CC Tub Outlet	Cold Expansion PEX Inlets and Outlet(s)	Cold Expansion PEX Inlets/CC Outlets	Cold Expansion PEX Inlets and Shower Outlet/CC/IPS Tub Outlet	CPVC Inlets/CC Outlets
●								
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	●							
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Valves - Options for your showering system needs (continued)

Model Number	Description	Category	Stops/ Check Stops	Ports	CC Inlets/CC Outlets	CC/IPS Inlets & Outlet(s)
U362XS	M-CORE® 1/2" PEX with stops and transfer	3F/6F Stacked M-CORE	Stops	5		
U231CI	M-CORE 1/2" CC/IPS	2F/3F M-CORE Transfer	N/A	4		
U231CX	M-CORE 1/2" cold PEX	2F/3F M-CORE Transfer	N/A	4		
U231X	M-CORE 1/2" PEX	2F/3F M-CORE Transfer	N/A	4		
U361CI	M-CORE 1/2" CC/IPS	3F/6F M-CORE Transfer	N/A	4		●
U361CX	M-CORE 1/2" cold PEX	3F/6F M-CORE Transfer	N/A	4		
U361X	M-CORE 1/2" PEX	3F/6F M-CORE Transfer	N/A	4		
2520	Posi-Temp® 1/2" CC connection	Posi-Temp	N/A	4		
62320	Bulk pack Posi-Temp 1/2" CC connection	Posi-Temp	N/A	4	●	
2570	Posi-Temp 1/2" CC connection with stops	Posi-Temp	Stops	4		
62370	Bulk pack Posi-Temp 1/2" CC connection with stops	Posi-Temp	Stops	4	●	
2510	Posi-Temp 1/2" IPS connection	Posi-Temp	N/A	4		
62300	Bulk pack Posi-Temp 1/2" IPS connection	Posi-Temp	N/A	4	●	
FP62300	Bulk pack Posi-Temp 1/2" IPS connection with flush plug	Posi-Temp	N/A	4		
2590	Posi-Temp 1/2" IPS connection with stops	Posi-Temp	Stops	4		
62390	Bulk pack Posi-Temp 1/2" IPS connection with stops	Posi-Temp	Stops	4		
2580	Posi-Temp 1/2" PEX connection	Posi-Temp	Stops	4		
62380	Bulk pack Posi-Temp 1/2" PEX connection	Posi-Temp	N/A	4		
FP62380	Bulk pack Posi-Temp 1/2" PEX connection with flush plug	Posi-Temp	N/A	4		
62380PF	Bulk pack Posi-Temp 1/2" PEX connection and drop	Posi-Temp	N/A	4		
62360	Bulk pack Posi-Temp 1/2" PEX connection with stops	Posi-Temp	Stops	4		
62360PF	Bulk pack Posi-Temp 1/2" PEX connection with stops and drop	Posi-Temp	Stops	4		

IPS Inlets/IPS Outlets	PEX Inlets and Outlet(s)	PEX Inlets/CC Outlets	PEX Inlets and Shower Outlet/CC/IPS Tub Outlet	PEX Inlets and Shower Outlet/CC Tub Outlet	Cold Expansion PEX Inlets and Outlet(s)	Cold Expansion PEX Inlets/CC Outlets	Cold Expansion PEX Inlets and Shower Outlet/CC/IPS Tub Outlet	CPVC Inlets/CC Outlets
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^ = CC Tub Outlet

Valves - Options for your showering system needs (continued)

Model Number	Description	Category	Stops/ Check Stops	Ports	CC Inlets/CC Outlets	CC/IPS Inlets & Outlet(s)
62365	Bulk pack Posi-Temp® 1/2" cold expansion PEX connection	Posi-Temp	N/A	4		
FP62365	Bulk pack Posi-Temp 1/2" cold expansion PEX connection with flush plug	Posi-Temp	N/A	4		
62365PF	Bulk pack Posi-Temp 1/2" cold expansion PEX connection and drop	Posi-Temp	N/A	4		
62385	Bulk pack Posi-Temp 1/2" cold expansion PEX connection with stops	Posi-Temp	Stops	4		
FP62385	Bulk pack Posi-Temp 1/2" cold expansion PEX connection with stops and flush plug	Posi-Temp	Stops	4		
62385PF	Bulk pack Posi-Temp 1/2" cold expansion PEX connection with stops and drop	Posi-Temp	Stops	4		
62340	Bulk pack Posi-Temp 1/2" CPVC connection	Posi-Temp	N/A	4		
FP62340	Bulk pack Posi-Temp 1/2" CPVC connection with flush plug	Posi-Temp	N/A	4		
62330	Bulk pack Posi-Temp 1/2" CPVC connection with stops	Posi-Temp	Stops	4		
62345	Posi-Temp 1/2" CC/IPS connection	Posi-Temp	N/A	3		●
FP62325PF	Bulk pack Posi-Temp 1/2" PEX connection	Posi-Temp	N/A	3		
FP62326PF	Bulk pack Posi-Temp 1/2" PEX connection with stops and flush plug	Posi-Temp	Stops	3		
2326PF	Posi-Temp 1/2" PEX connection with stops	Posi-Temp	Stops	3		
FP62327PF	Bulk pack Posi-Temp 1/2" cold expansion PEX with flush plug	Posi-Temp	N/A	3		
FP62328PF	Bulk pack Posi-Temp 1/2" cold expansion PEX connection with stops and flush plug	Posi-Temp	Stops	3		
2328PF	Posi-Temp 1/2" cold expansion PEX connection with stops	Posi-Temp	Stops	3		
FP62380PF^	Bulk pack Posi-Temp 1/2" PEX connection with flush plug and drop	Posi-Temp	N/A	4		
FP62360PF^	Bulk pack Posi-Temp 1/2" PEX connection with stops, flush plug and drop	Posi-Temp	Stops	4		
2360PF^	Posi-Temp 1/2" PEX connection with stops and drop	Posi-Temp	Stops	4		
FP62365PF^	Bulk pack Posi-Temp 1/2" cold expansion PEX with flush plug and drop	Posi-Temp	N/A	4		
FP62385PF^	Bulk pack Posi-Temp 1/2" cold expansion PEX connection with stops, flush plug and drop	Posi-Temp	N/A	4		
2521	Posi-Temp 1/2" CC/IPS with diverter	2F Stacked Posi-Temp	N/A	4		●
2551	Posi-Temp 1/2" CC/IPS with diverter	3F Stacked Posi-Temp	N/A	4		●
2571	Posi-Temp 1/2" CC/IPS with diverter and stops	2F Stacked Posi-Temp	Stops	4		●
2581	Posi-Temp 1/2" CC/IPS with diverter and stops	3F Stacked Posi-Temp	Stops	4		●

^ = CC Tub Outlet

IPS Inlets/IPS Outlets	PEX Inlets and Outlet(s)	PEX Inlets/CC Outlets	PEX Inlets and Shower Outlet/CC/IPS Tub Outlet	PEX Inlets and Shower Outlet/CC Tub Outlet	Cold Expansion PEX Inlets and Outlet(s)	Cold Expansion PEX Inlets/CC Outlets	Cold Expansion PEX Inlets and Shower Outlet/CC/IPS Tub Outlet	CPVC Inlets/CC Outlets
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Frequently Asked Questions

Moen Smart Shower

Learn more about the system by visiting moen.com or contact 1-800-BUY MOEN.

Can I use quick connects for inlets and outlets?

Yes, any compatible quick connect can be used for installation.

Valve inlets are standard pipe sizes (1/2" on the 2-outlet shower [S3102] and 3/4" on the 4-outlet vertical spa [S3104]). For the 2-outlet valve, the inlets and outlets are 1/2"; the 4-outlet valve has 3/4" inlets and 1/2" outlets.

Is the Moen Smart Shower valve compatible with PEX, copper and CPVC?

Yes, the CC connections on Moen Smart Shower valve outlets and inlets can be connected to PEX, copper or CPVC with standard plumbing adapters.

Is an access panel required for the Moen Smart Shower valve?

Yes. The recommended minimum access panel opening is 14" wide by 29" high. The access panel is a standard code requirement and is required to access the shutoffs, filter screens, AC outlet and optional battery backup and to service the valve if needed.

Do I have to plug in the Moen Smart Shower valve, and is an electrician required for installation?

Yes, it is necessary to plug the valve into a 110V AC supply on a GFCI circuit. A certified electrician should install the initial GFCI outlet.

Are there any issues with electricity, and is there a chance of being shocked?

No, the Moen Smart Shower valve is designed so the water is isolated from the electronics. In addition, the system operates under low voltage (12V). All current is properly isolated and sealed (through the controller) and the product is third-party certified by IAPMO (cUPC) to the standards ASSE 1016/ASME A112.1016/CSA B 125.16, ASME A112.18.1/CSA B125.1, UL 1951 and CSA C22.2 Nos. 14 and 68.

A GFCI outlet will provide additional protection. The GFCI is an Earth-leakage breaker that detects faults to ground. The current threshold is very low, typically 15mA, which means it will trip well before any risks could occur. Jetted tubs already require dedicated GFCIs (110V, 15–20A) for pump/motor and heaters.

How many shower devices can be used with a Moen Smart Shower digital vertical spa?

The Moen 4-outlet valve (S3104) features four outlets and has a maximum flow rate of 16 gpm at 60 PSI. The 2-outlet valve (S3102) features two outlets and has a maximum flow rate of 10 gpm at 60 PSI.

The total flow from all shower devices plumbed to the valve should not exceed 14 gpm. The total flow from all shower devices attached to a single outlet should not exceed 6 gpm.

ExactTemp®

How does the ExactTemp valve work?

The ExactTemp requires a minimum of two valves, one thermostatic and one volume control valve. The thermostatic valve will only adjust the temperature of the water, and the volume control will turn the unit on/off and adjust the volume of the water. The thermostatic valve has a safety stop preset at 105°. The temperature override button will allow the user to exceed this temperature and reach temperatures of up to 120°. In addition to being shower spa compatible, it also provides thermostatic control, temperature consistency and temperature memory. For more information, please view our product literature in our Literature Center.

Posi-Temp®/M-CORE®

What is meant by a “pressure-balancing” tub and shower faucet?

A pressure-balancing tub and shower faucet balances incoming hot and cold water pressure to compensate for fluctuations in water flow. Balancing the water flow keeps shower temperatures constant and comfortable, within $\pm 3.6^{\circ}\text{F}$ ($\pm 2^{\circ}\text{C}$) of the original temperature, despite other demands such as flushing the toilet or starting the dishwasher. Moen's Posi-Temp and M-CORE tub and shower valves all feature pressure balancing. Both valves require pressure on the hot and cold sides to operate.

What is the difference between a Posi-Temp tub and shower valve and an M-CORE tub and shower valve?

While the valves do have several similarities:

- A pressure-balanced system that maintains water temperature within $\pm 3.6^{\circ}\text{F}$ ($\pm 2^{\circ}\text{C}$)
- Built-in temperature limit stops that allow you to control how far the handle rotates, therefore, controlling the range of water temperature
- Provide ideal water flow for shower spa or tub/shower systems
- Available in a variety of connections from common 1/2" CC/sweat, 1/2" IPS-threaded, combination 1/2" CC/IPS, 1/2" Crimp PEX, 1/2" Cold Expansion PEX and CPVC
- Meet pressure-balancing safety codes

There are a few differences to consider before making a decision:

Feature	M-CORE 4-Series	M-CORE 3-Series	M-CORE 2-Series	Posi- Temp
Handle Operation – How the faucet is turned on and off.	Rotation	Lift/ Rotate	Rotation	Rotation
Temperature Memory – When shutting off the faucet, the handle stays in the exact temperature position you set during use. The next time you turn on the faucet, within a few seconds, the water temperature reaches your last temperature setting.	Yes	Yes	No	No
Volume Control – Controls the water flow rate so you get the amount of water you want at the temperature you want.	Yes	Yes	No	No
Thermostatic – Maintains precise temperature by continually adjusting the incoming mix of hot and cold water.	Yes	No	No	No
M-CORE Cartridge – Ships with shower trim kit.	Yes	Yes	Yes	N/A

Notes

