



# **6000 SERIES**

## **HOT OR COLD WATER STATION**

### **INSTALLATION AND MAINTENANCE MANUAL**



**PLEASE DO NOT THROW AWAY AFTER INSTALLATION  
SAVE AND DISPLAY PROMINENTLY WHERE THIS  
EQUIPMENT IS USED.**

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## Safety Information

- Never allow children or unauthorized personnel to handle equipment.
- Never put your hand or fingers in front of nozzle
- Never point nozzle at your body — or anyone else.
- Never leave washdown station unattended without releasing pressure.
- Never use foreign means to hold trigger in open position.
- Never over tighten connections/threads. Use appropriate size wrench for tightening connection/threads.
- Never use wrench extensions of any type.
- Never reuse gaskets that have been compressed. Reuse may cause unit to leak.
- Never pulse nozzle while operating mixing station.

### Before/during nozzle spraying

- Hold nozzle firmly before pulling trigger.
- Adopt a proper body stance to anticipate high recoil force by spray nozzle.
- Exercise care and caution when spraying.
- When spraying hot liquids avoid hand or body contact with non-insulated parts of the nozzle.
- Wear protective clothing including heavy-duty insulated gloves, boots, aprons and safety glasses.
- Stop spraying before becoming fatigued.

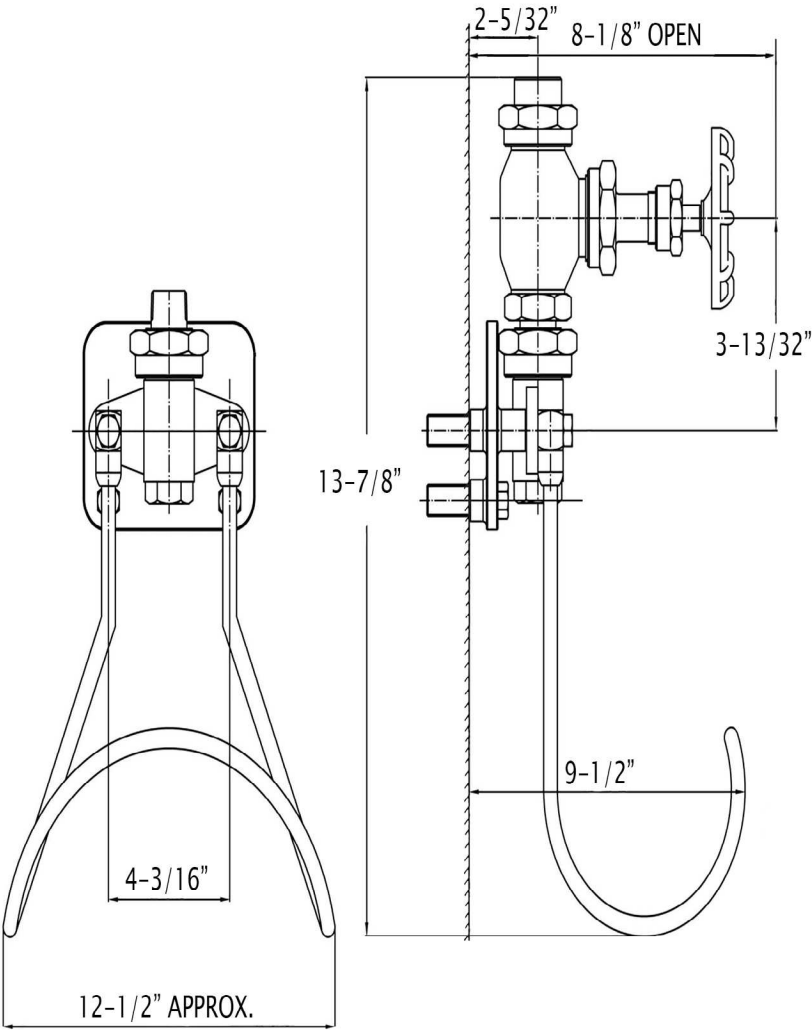
### Before removing nozzle OR attempting services

- Shut off water supplies.
- Discharge contents of hose and nozzle to eliminate pressure.

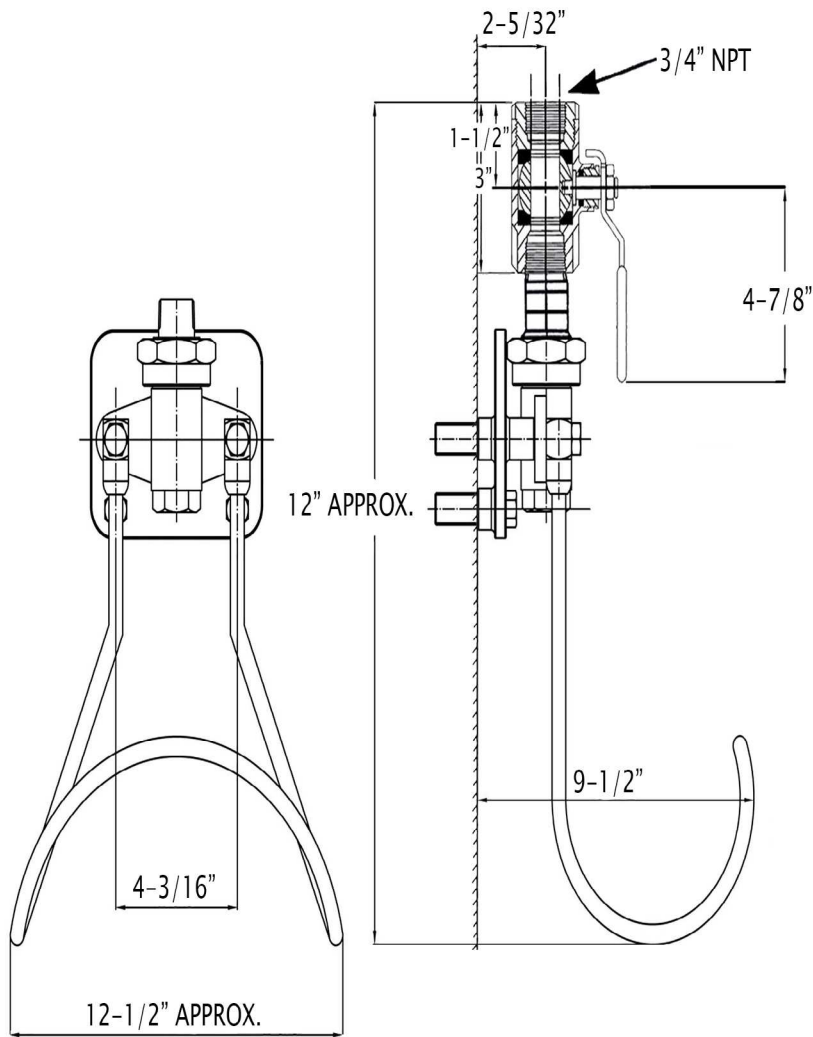


**Attention:** Do not operate the equipment if there are any leaks from spray nozzle, fittings, or hoses. High pressure leaks can penetrate the skin causing serious injury.

# Technical Drawing (Globe Valve)



# Technical Drawing (Ball Valve)



## Pre-Installation

1. Unit is rated for water pressures up to 150 PSI. Pressure gauge installation (upstream, prior to water inlet) is recommended to determine proper and constant water pressure during all operation of mixing unit.
2. Water supply line should be thoroughly flushed prior to installation to rid lines of foreign debris which can affect the performance of the mixing unit.
3. Check to make sure that globe valve or ball valve are fully closed by turning hand-wheels or handle clockwise until it stops.
4. Water station is ready to install.

## Installation

1. Place the mounting plate on the wall and mark the 3 or 4 holes to be used to mount the plate to the wall (depending on mounting plate material).
2. Drill 12mm or equivalent holes on wall and install anchor bolts (supplied). Make sure that holes are deep enough to accommodate anchor bolts so that only the threaded parts protrude, allowing the mounting plate to be installed to the wall.
3. Mount plate to wall and secure using anchor bolt nuts (supplied).



4. Mount mixing unit to plate and tighten both bolts.
5. If temperature gauge was supplied, remove front plug and install temperature gauge. (Pipe thread sealant or alternative such as PTFE tape is recommended on temperature gauge thread)
6. The mixing unit is now ready for piping.
7. Install water and steam supply lines to mixing unit inlets (Pipe thread sealant or alternative such as PTFE tape is recommended on piping thread)

**Continued**

## Installation

8. Attach hose with 3/4" NPT to outlet of mixing unit. (Pipe thread sealant or alternative such as PTFE tape is recommended on fitting thread).
9. Attach spray nozzle to outlet of hose with 1/2" NPT. (Pipe thread sealant or alternative such as PTFE tape is recommended on fitting thread).
10. Gradually open globe valve or ball valve to pressurize mixing station and check for leaks. If there are visible leaks, turn globe valve or ball valve off immediately and depressurize mixing unit by spraying nozzle. Disassemble and reseal leakage points. Once complete, reassemble and restart procedure to check for leaks. If there are no more leaks, the water station is ready to be used. If leaking, repeat procedure.



## Parts List

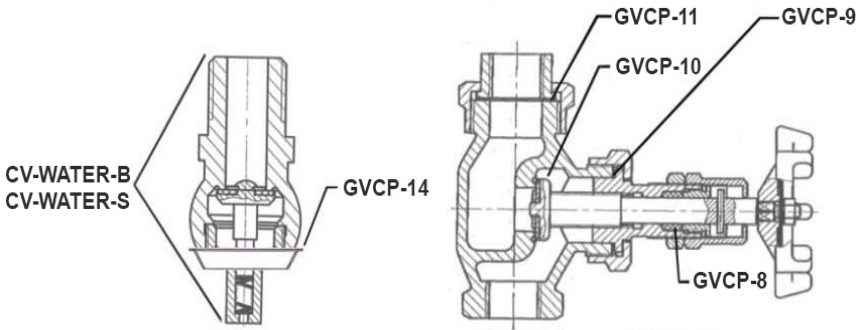
Part #	Description
<b>GVCP-8</b>	Globe valve stem packing (PTFE)
<b>GVCP-9</b>	Globe valve stem nut gasket (PTFE)
<b>GVCP-10</b>	Globe valve poppet (PTFE seal)
<b>GVCP-11</b>	Globe valve connection nut gasket (PTFE)
<b>GVCP-14</b>	Check valve connection gasket (Copper)
<b>GV-3600-BLUE</b>	Globe valve for hot and cold water mixing unit. Brass. Cold water side.
<b>GV-3600-RED</b>	Globe valve for hot and cold water mixing unit. Brass. Hot water side.
<b>GV-3600-SS-BLUE</b>	Globe valve for hot and cold water mixing unit. Stainless Steel. Cold water side.
<b>GV-3600-SS-RED</b>	Globe valve for hot and cold water mixing unit. Stainless Steel. Hot water side.
<b>CV-WATER-B</b>	Check valve for 3600M-B unit. Brass
<b>CV-WATER-S</b>	Check valve for 3600M-B unit. Stainless steel.
<b>HAND-WHEEL-(BLUE)</b>	Blue hand wheels, epoxy coated.
<b>HAND-WHEEL-(RED)</b>	Red hand wheels, epoxy coated.
<b>BALL VALVE-BALL SEAT</b>	3/4" ball valve ball seat. Pair. PTFE.
<b>BALL VALVE-LEV(RED)</b>	3/4" Ball valve lever. Stainless steel. Red.
<b>BALL VALVE-LEV(BLUE)</b>	3/4" Ball valve lever. Stainless steel. Blue.
<b>BALL VALVE-BLUE</b>	3/4" ball valve, bronze. Blue (600 PSIG WOG-160 PSIG Saturated Steam)
<b>BALL VALVE-RED</b>	3/4" ball valve, bronze. Red (600 PSIG WOG-150 PSIG Saturated Steam)
<b>BALL VALVE-SS</b>	3/4" ball valve, stainless steel (600 PSIG WOG-150 PSIG Saturated Steam)
<b>BALL VALVE-NUT</b>	3/4" ball valve nut. Stainless steel.
<b>BALL VALVE PACKING</b>	BALL VALVE PACKING

# Repair Instructions

**CAUTION:** Check and make sure that water supply globe valve or ball valve are turned off prior to disassembly. Depressurize mixing unit by spraying nozzle and allow mixing unit to cool down prior to disassembly. Unit is now ready for maintenance.

## Check Valve Replacement (For Globe Valve Units Only)

1. Remove check valve connection nut.
2. Remove check valve from globe valve.
3. Reverse instructions to install new check valve (CV-Water-B (Brass) / CV-Water-S (SS)).



## Globe Valve Stem Guide Filling & Poppet

1. Remove globe valve stem nut using crescent wrench or box end wrench by turning it counter-clockwise. Once completely loosened, entire stem will simply fall off along with globe valve poppet and stem nut gasket. Please note that globe valve poppet is “free floating” and thus will simply fall off its guide.
2. Remove hand wheel nut, lock washer, and name plate from globe valve hand wheel.
3. Gently tap hand wheel outward and then wiggle off by hand.

**Continued**

## Repair Instructions

4. On globe valve, remove push down cap and push down sleeve from stem guide and PTFE stem guide filling will be visible.
5. Turn hand wheel stem guide clockwise until it can be extracted through the inside.
6. Using a pick or equivalent, remove as much packing material as possible from the inside of the globe valve.
7. Reinsert the hand wheel stem by turning it counter-clockwise.
8. Insert new PTFE filling into stem (GVCP-8).
9. Insert push down nut into stem and begin to tighten. Please only hand tighten at this moment.
10. Insert new globe valve poppet and gasket on globe valve stem (GVCP-10).
11. Reverse instructions to reassemble.
12. Once reassembled and reinstalled onto unit, operate unit as usual, if there is minimal leakage through stem packing, tighten push down nut slowly until leakage disappears.

## Frequently Asked Questions

- Q Depending on the facility, is a strainer required at the inlets on the mixing unit to prevent debris from entering the unit?**
- A SuperKlean does recommend the use of strainers at the inlets simply because they reduce the flow into the unit and thus affects the operation of the unit. This is particularly recommended in facilities with older pipings, as debris may be more prevalent. It is recommended that all inlet supply lines are thoroughly flushed prior to installation to rid them of debris.
- Q What is the output pressure of the mixing unit?**
- A Output pressure is very similar to input water pressure.
- Q Leaking pipe threads.**
- A Ensure that pipe thread sealant was used when mating threads. Standard pipe threads require pipe thread sealant to make a proper seal (e.g. ANSI/ASME B1.20.1 Pipe Thread Standard)



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