

SuperKlean Washdown Products

DURAMIX 8000 INSTALLATION AND MAINTENANCE INSTRUCTIONS

****DO NOT THROW AWAY AFTER INSTALLATION****

****KEEP FOR MAINTENANCE REFERENCE****

CAUTION: THIS UNIT IS DESIGNED FOR SATURATED STEAM ONLY. IMPROPER USE, INSTALLATION OR MAINTENANCE CAN RESULT IN SERIOUS INJURY.

INSTALLATION AND MAINTENANCE SHOULD ONLY BE DONE BY A QUALIFIED PROFESSIONAL. SUPERKLEAN IS NOT LIABLE FOR ANY INJURY THAT IS A RESULT OF IMPROPER USE, INSTALLATION OR MAINTENANCE.

PRE-INSTALLATION:

1. Unit requires minimum steam pressure of 30 PSI and a maximum steam pressure of 150 PSI. Pressure gauge installation (upstream, prior to steam inlet) is recommended to determine proper and constant steam pressure during all operation of mixing unit.
2. Unit requires minimum water pressure of 30 PSI, a recommended water pressure of 80 PSI, and a maximum water pressure of 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.
3. Steam trap is highly recommended (upstream, prior to steam inlet) to relieve unit of any condensate.
4. Remove steam check valve from mixing body by loosening check valve nut.
5. Make sure that there is no water in steam chamber by turning mixing unit upside down and letting it drain.
6. Reinstall steam check valve and tighten check valve nut.
7. Check to make sure that both globe valves are fully closed by turning hand-wheels clockwise.
8. Check to make sure that the temperature control hand wheel is fully opened by turning it counter-clockwise.
9. Mixing unit is ready to install.

INSTALLATION:

1. Place the mounting plate on the wall and mark the 4 holes to be used to mount the plate to the wall.
2. Drill holes on wall and install anchor bolts (supplied). Make sure that holes are deep enough to accommodate anchor bolts so that they do not stick out too much and interfere with the mounting of the mixing unit.
3. Mount plate to wall and secure using anchor bolt nuts (supplied).
4. Mount mixing unit to plate and loosely secure with two top bolts (supplied).

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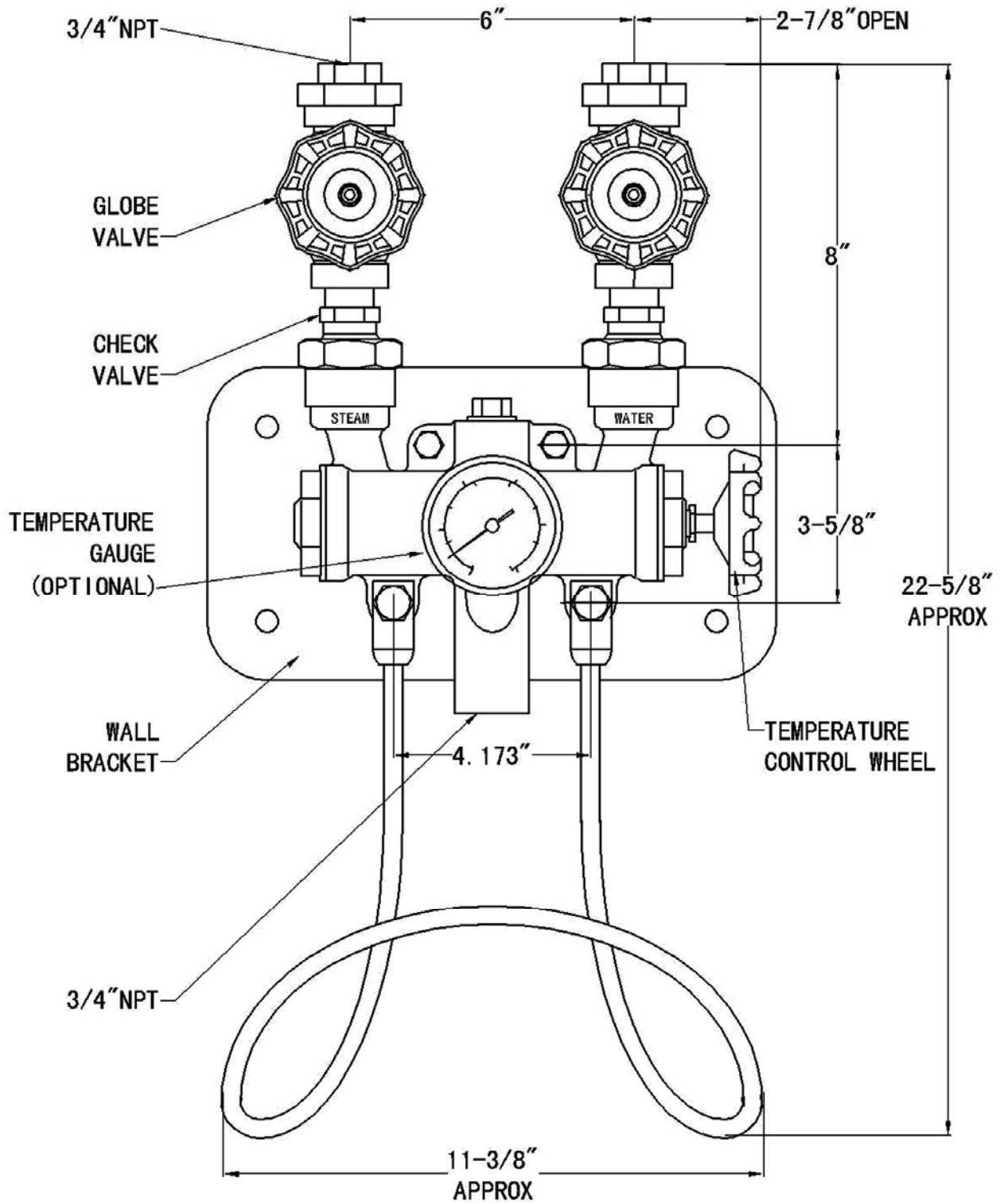
5. Mount hose rack to mixing unit and secure with 2 bottom bolts (supplied).
6. Secure unit to mounting plate by tightening all 4 supporting bolts.
7. If temperature gauge was supplied, remove front plug and install temperature gauge. (Teflon tape or alternative recommended on temperature gauge thread)
8. The mixing unit is now ready for piping.
9. Install water and steam supply lines to mixing unit inlets. (Teflon tape or alternative recommended on piping thread)
10. If secondary upper hot water outlet is to be used, install line to mixing unit top secondary output outlet. (Teflon tape or alternative recommended on piping thread)
11. Attach hose to outlet of mixing unit. (Teflon tape or alternative recommended on fitting thread)
12. Attach spray nozzle to outlet of hose. (Teflon tape or alternative recommended on fitting thread)
13. Check and make sure that steam & cold water supply globe valves are turned off.
14. Gradually open cold water globe valve to pressurize mixing station and check for leaks. If there are visible leaks, immediately turn globe valve off, depressurize mixing unit by spraying nozzle. Disassemble and reseal leakage points. Once complete, reassemble and restart procedure to check for leaks. If no more leaks, continue. If leaks, repeat procedure.
15. Gradually open steam globe valve to pressurize mixing station and check for leaks. If there are visible leaks, immediately turn globe valve off, depressurize mixing unit by spraying nozzle, allow mixing unit to cool down prior to disassembly, and reseal leakage points. Once complete, reassemble and restart procedure to check for leaks. If no more leaks, continue. If leaks, repeat procedure.
16. With both globe valves fully open, unit is ready.

OPERATIVE INSTRUCTIONS: (If steam to water ratio is more than 2:1, please refer to sections 3 & 4 above.)**

1. Begin spray of water by pressing on lever of nozzle. Make sure to maintain spray during the course of adjustment of unit.
2. For temperature rise, begin to slowly close temperature control hand wheel by turning it clockwise. Once you reach your desired water temperature output, you may leave the temperature control hand wheel at its current position and use globe style valves above mixing unit to shut down operation. To resume operation, simply open globe style valves to their full open position.
3. If temperature output is too cold after full adjustment of temperature control hand wheel, begin to choke down water flow by slowly closing the cold water globe valve.
4. If temperature output is too hot after full adjustment of temperature control hand wheel, begin to choke down steam flow by slowly closing the steam globe valve. Once desired temperature is achieved, close top lock nut cap below hand wheel by turning clockwise (hand tight). Secure lock nut cap with lower lock nut by turning counter clockwise until tight.
5. If you close the cold water globe valve significantly and water temperature output is still sporadic, please check to see if you meet and maintain required water pressure.

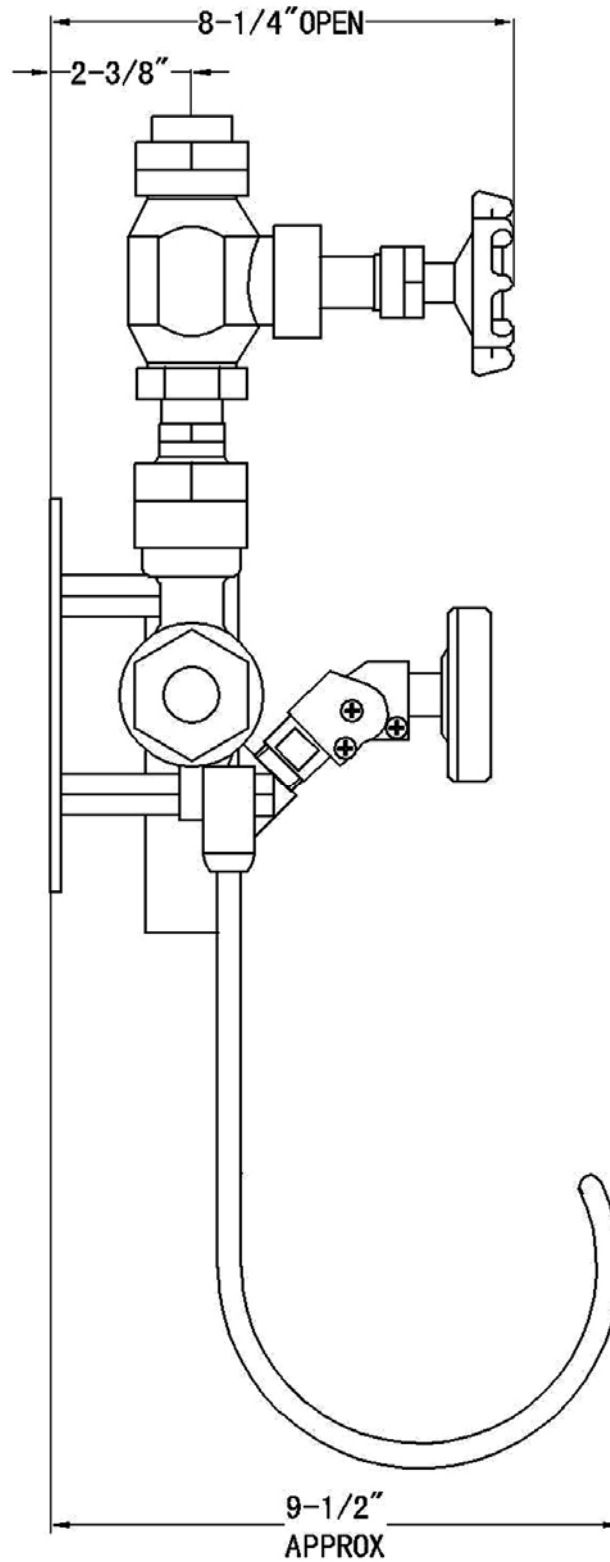
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DURAMIX FRONT VIEW DRAWING

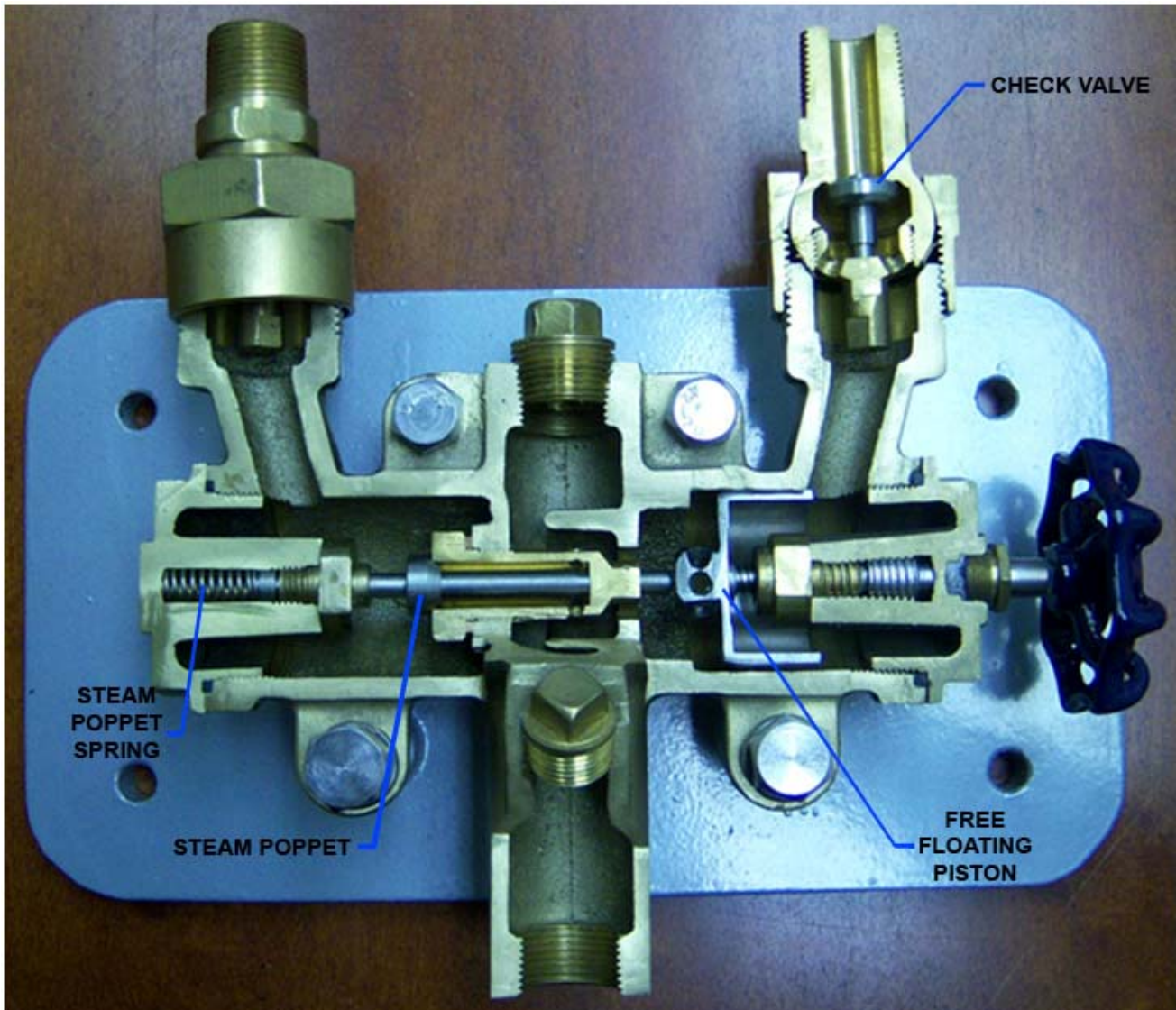


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DURAMIX SIDE VIEW DRAWING



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Automatic Shut Off Feature:

1. Water enters and passes through check valve. (Note: Water is not able to go back into water supply line because spring loaded check valve will only allow flow into unit)
2. With nozzle open, water pressure and flow allows the free floating piston to activate and opens steam poppet by pushing it towards the left side, thus allowing steam to mix with incoming water.
3. If there is an interruption of water pressure or water flow (such as shutting nozzle down), steam poppet spring pushes steam poppet back into its closed position within 5 seconds.