

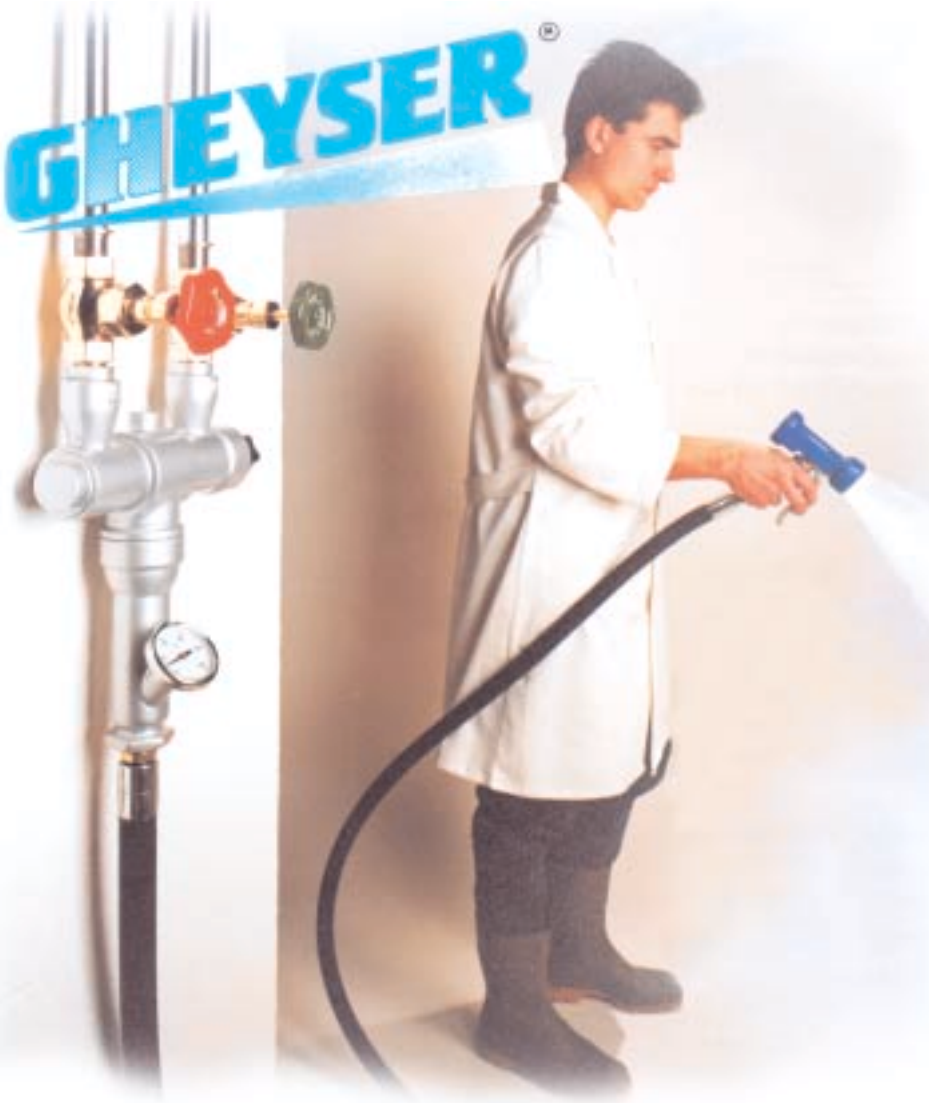
# **GHEYSER**

## **Steam/Water Mixer**



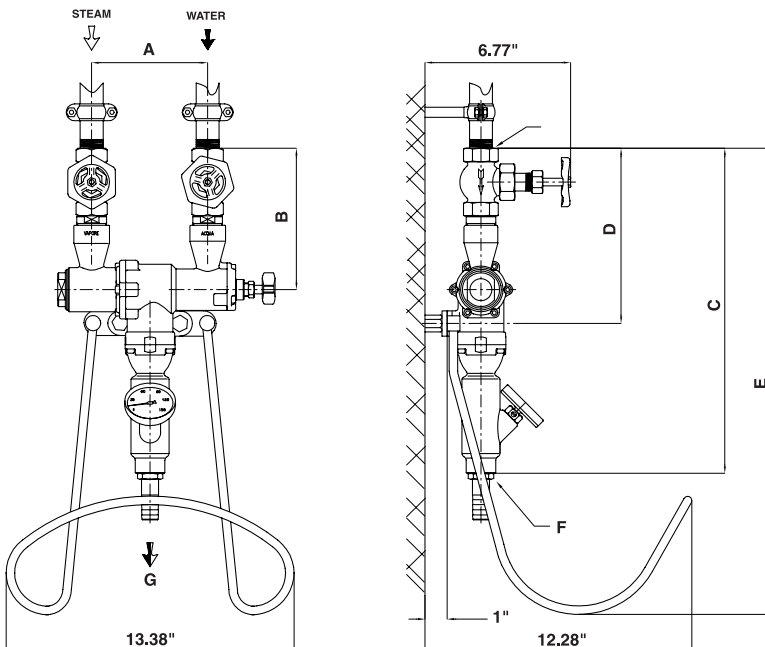
Sanitary  
Process  
Components

# Steam/Water Mixer



## STANDARD FEATURES

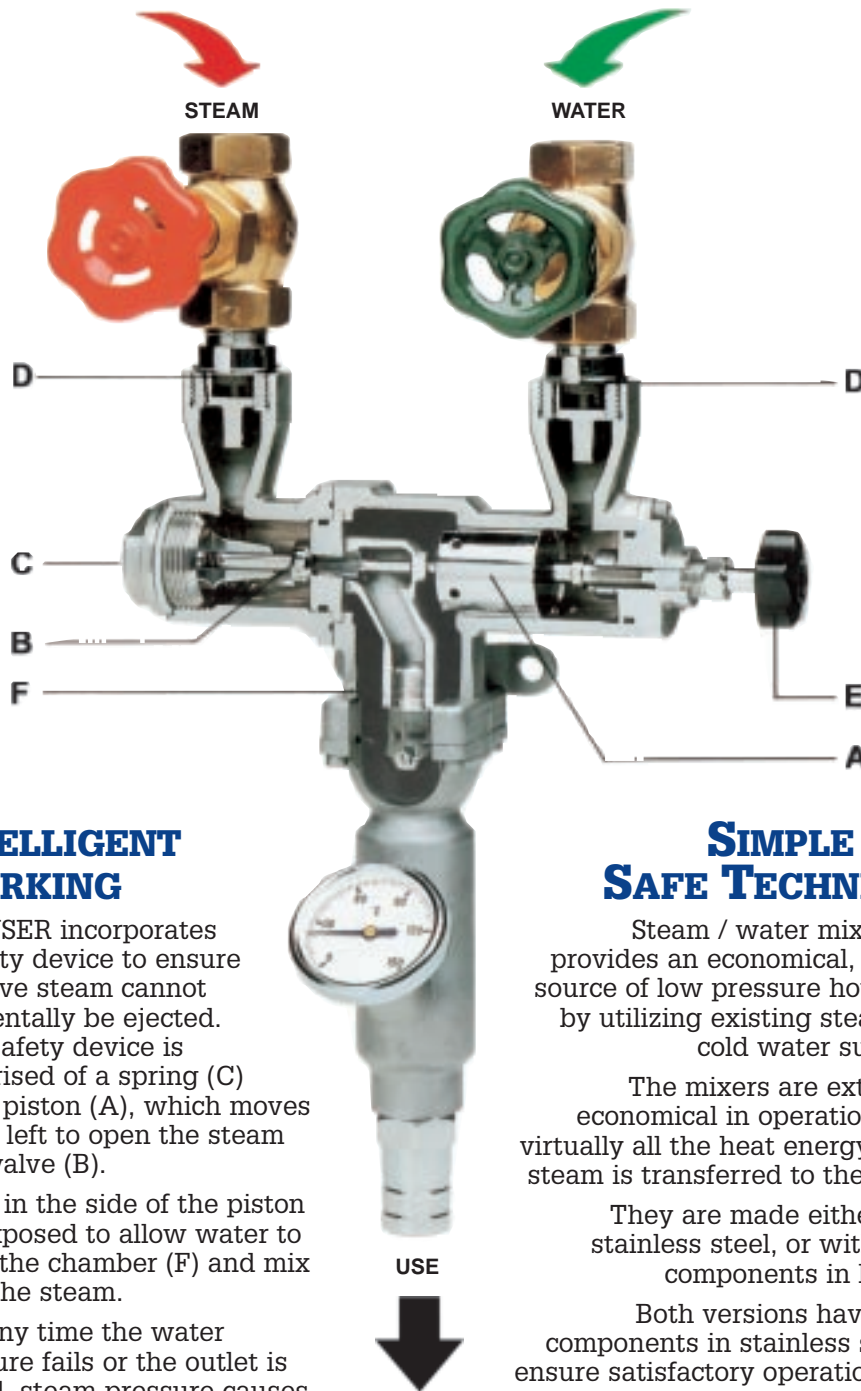
- Economical, instant hot water.
- Energy saving.
- No holding tanks required.
- Ideal alternative to other less efficient and much more expensive heat exchangers.
- Suitable for food and brewing industries, delicatessen factories, slaughter-houses, cheese-dairies, hospitals and general plant maintenance.
- Safe, cost effective, quiet operation and easy to install.
- Internal mechanical safety shutoff eliminates the passage of live steam
- Made from bronze (M34B) or stainless steel (M34S) – assuring maximum hygienic requirements for all applications.
- No moving parts or electrical connections. Needs only to be connected to steam and water supplies. Does not need electro-mechanical maintenance.
- Temperature of outlet water adjustable from 95°F (35°C) to 203°F (95°C).
- Equipped with a Fahrenheit (Celsius) temperature gauge
- Maximum operating temperature: 200°F (93°C)
- Maximum operating pressure: 150 psi (10.3 bar)
- Custom hose assemblies in 25', 50', 75' and 100' are available dependent on supply pressures.



Type	M 34
A (inches)	5.35
B (inches)	6.57
C (inches)	15.07
D (inches)	8.15
E (inches)	21.69
F (inches)	3/4" NPT*
G (inches)	3/4" NPT*
Weight lbs.	10.36

\*Male swivel NPT fitting to prevent hose twist.

# Economy/Efficiency In Sanitary Processes



## INTELLIGENT WORKING

GHEYSER incorporates a safety device to ensure that live steam cannot accidentally be ejected. This safety device is comprised of a spring (C) and a piston (A), which moves to the left to open the steam inlet valve (B).

Holes in the side of the piston are exposed to allow water to enter the chamber (F) and mix with the steam.

If at any time the water pressure fails or the outlet is closed, steam pressure causes the piston to move to the right and the steam inlet valves closes.

If only the steam is required for sterilization, live steam may be obtained by closing the water input valve and screwing in the optional override knob (E).

Non return valves (D) are fitted in the inlet connections to prevent water entering the steam supply, and vice versa.

## SIMPLE AND SAFE TECHNIQUE

Steam / water mixer M34 provides an economical, instant source of low pressure hot water by utilizing existing steam and cold water supplies.

The mixers are extremely economical in operation since virtually all the heat energy in the steam is transferred to the water.

They are made either in all stainless steel, or with some components in bronze.

Both versions have some components in stainless steel to ensure satisfactory operation even after long periods of inactivity.

The mixing chamber is designed to minimize noise and vibration, and is fitted with a fail-safe device to ensure that in normal operation water is present in the mixing chamber. The temperature of water at the outlet of the mixer is easily controlled by using water and steam valves fitted to the inlets. A built-in thermometer is provided to enable the water temperature at the outlet to be monitored.

## A WIDE RANGE OF ACCESSORIES FOR ALL REQUIREMENTS

HOSE HANGER  
Round Ø AISI 304  
Stainless Steel



HOT WATER AND STEAM HOSE



SPRAY GUN JET



WATER/STEAM VALVES



STAINLESS STEEL HOSE REEL



# Operating Conditions

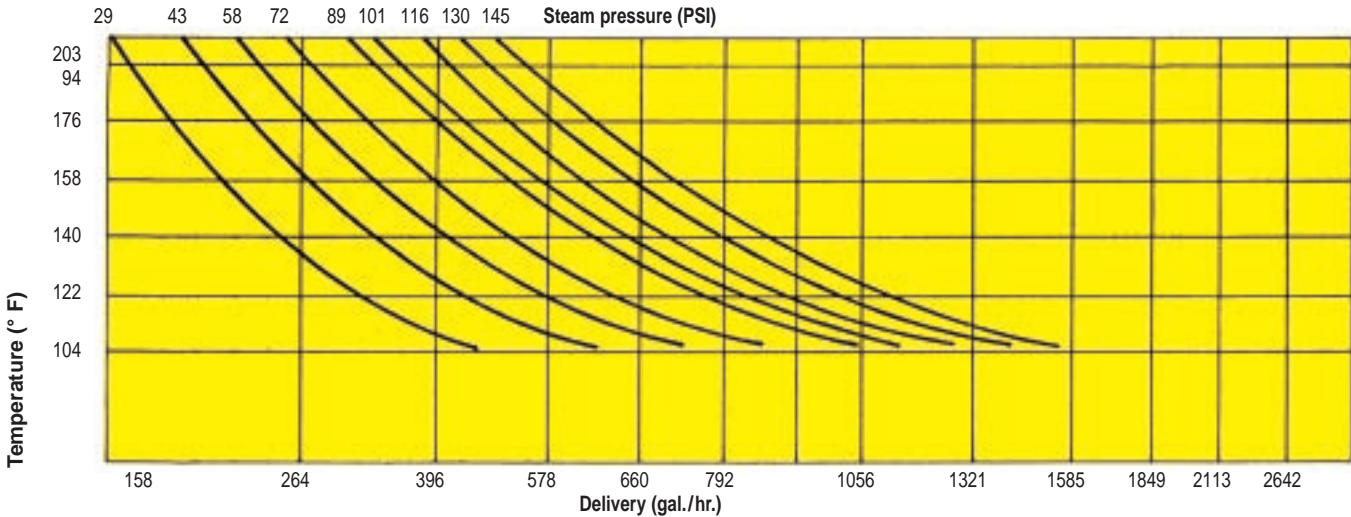
To ensure correct operation of the mixer the steam inlet pressure must be:

- Minimum 36 psi (2.5 bar).
- Equal to or not more than 3.5 times that of the water for Gheyser M34.

It is recommended that a strainer be fitted at the steam inlet in order to avoid any contamination.

## PERFORMANCES CURVES WITH WATER AT 50°F (15°C)

TYPE M34



### WARRANTY:

1. THIS PRODUCT IS SUBJECT TO THE FOLLOWING EXPRESS WARRANTY: SPC, INC. (THE "SELLER") WARRANTS THIS PRODUCT, FOR A PERIOD OF 180 DAYS COMMENCING FROM THE DATE THE PRODUCT WAS DELIVERED TO PURCHASER, TO BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP, PROVIDED THE PRODUCT IS USED IN A NORMAL MANNER. PURCHASER MUST MAKE WRITTEN CLAIM TO SELLER TO COMMENCE THE WARRANTY ADJUSTMENT PROCEDURES, AND PURCHASER MUST MAKE THE CLAIM WITHIN THE 180-DAY WARRANTY PERIOD DESCRIBED ABOVE. UPON SELLER'S RECEIPT OF WRITTEN NOTICE FROM PURCHASER, TOGETHER WITH DOCUMENTATION EVIDENCING PURCHASE, SELLER SHALL HAVE A REASONABLE OPPORTUNITY TO INSPECT ALL ASSEMBLY COMPONENTS OF THE PRODUCT. THE SELLER SHALL HAVE THE OPTION TO EITHER REPLACE, REPAIR OR REFUND THE PURCHASE PRICE OF THE PRODUCT.
2. WITH THE EXCEPTION OF THE WARRANTY PROVIDED IN PARAGRAPH 1, ABOVE, NO OTHER WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING AN IMPLIED WARRANTY OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE, IS GIVEN BY THE SELLER WITH RESPECT TO THIS PRODUCT OR ANY OTHER PRODUCT.
3. IT IS UNDERSTOOD AND AGREED THAT SELLER'S LIABILITY AND PURCHASER'S SOLE REMEDY, WHETHER IN CONTRACT, UNDER ANY WARRANTY, IN TORT (INCLUDING NEGLIGENCE), IN STRICT LIABILITY OR OTHERWISE SHALL NOT EXCEED THE RETURN OF THE AMOUNT OF THE PURCHASE PRICE PAID BY THE PURCHASER, AND UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, PROPERTY DAMAGE, DAMAGE TO OR LOSS OF EQUIPMENT, LOST PROFITS OR REVENUE, COSTS OF RENTING REPLACEMENTS AND OTHER ADDITIONAL EXPENSES, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE PRICE STATED FOR THE EQUIPMENT IS A CONSIDERATION IN LIMITING SELLER'S LIABILITY AND PURCHASER'S REMEDY. SELLER WILL NOT BE LIABLE FOR ANY DAMAGES, LOSSES OR EXPENSES AS A RESULT OF PURCHASER'S NEGLIGENCE, WHETHER DEEMED ACTIVE OR PASSIVE AND WHETHER OR NOT ANY SUCH NEGLIGENCE IS THE SOLE CAUSE OF ANY SUCH DAMAGE, LOSS OR EXPENSE.



### SAFETY WARNING:

Exposure to steam is dangerous. In order to avoid damage to property, serious injury or death, you must select the proper steam hose for the given application. Appropriate installation, usage and maintenance of the steam hose will contribute to increased operator safety.

Sanitary  
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AUTHORIZED DISTRIBUTOR

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