Ace Sanitary

STVM Washdown Station®

- Simple Cartridge Design with One Moving Part
- Fully In-line Field Serviceable
- Patented mixing design is self-cleaning
  - *Reduced Susceptibility to Water Scaling*
- Low Operating Noise
- Thermally Actuated Safety Shutoff

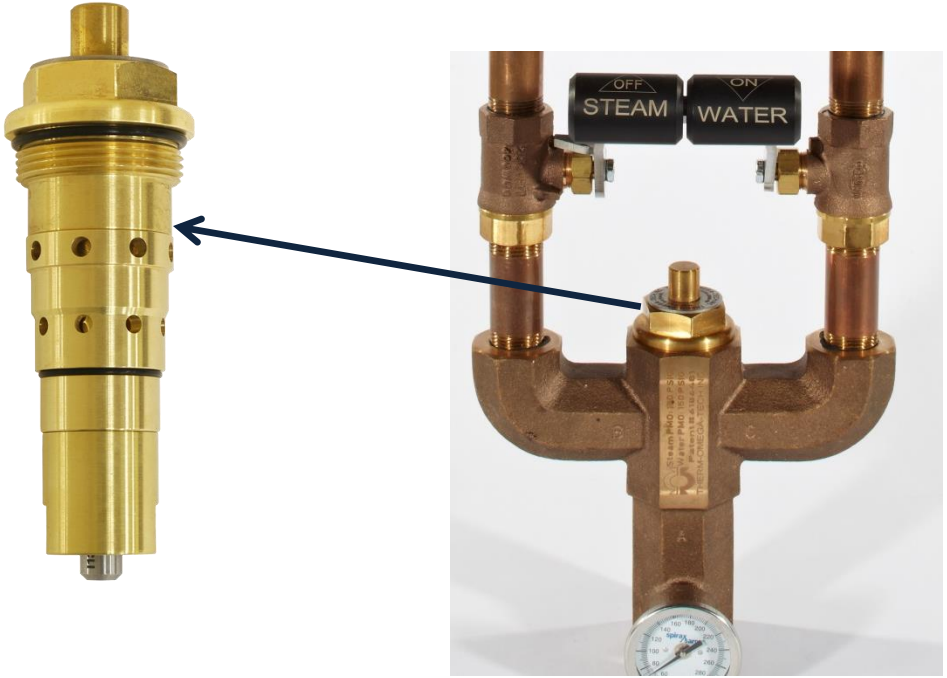
STVM Advantage

- **Increased Uptime**
  - *STVM Venturi Valve Design is self-scouring which minimizes scaling and reduces maintenance frequency*
- **Increased Safety**
  - *Interlocking Ball Valves Provide Instant Shut-Off*
  - *Thermostatic Shut-Off Prevents Operation If Water Supply is Interrupted*
- **Improved Versatility**
  - *No Multiple Model Numbers or Narrow Steam Pressure Range*
  - *Recommended Steam Pressure is >10 PSIG above water Pressure*
- **Ease of Maintenance**
  - *Removable Replaceable Cartridge, No Special Tools Required*
  - *Cartridges can be exchanged w/spares in minutes*
  - *Cartridges are easily cleaned without further disassembly*
- **Quieter Operation**
  - *Multiple Venturi Steam Inlets Minimize Water Hammer Effect*
- **Improved Over-Temp Shut Off Reliability**
  - *Thermally actuated with one moving part*
  - *No Linkages, Poppets, Diaphragms or Pistons to Stick*

Safety First

Standard configuration on the STVM Washdown station includes interlocking shut-off ball valves. This allows instant shut-off of both inlets and helps prevent accidental steam only operation

Ease of Maintenance



The STVM cartridge is easily removed with a standard 1 ½” open ended wrench. It can then be soaked in a descaling solution

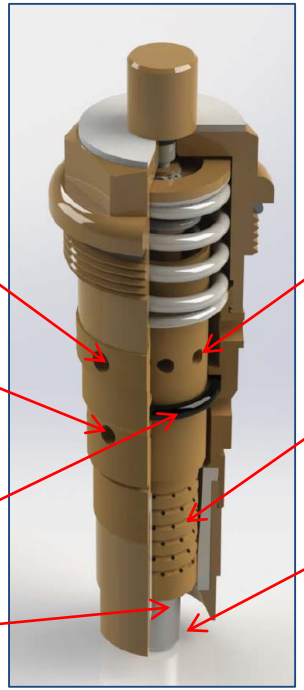
After cleaning, simply replace the threaded cartridge in the valve body and you’re back in business.

A backup cartridge can be rotated into service, eliminating downtime

Operational Requirements

- Not Necessary to Specify Steam pressure
- Water pressure should be high enough to provide desired flow
- Steam pressure should be >10 PSIG higher than Water Pressure

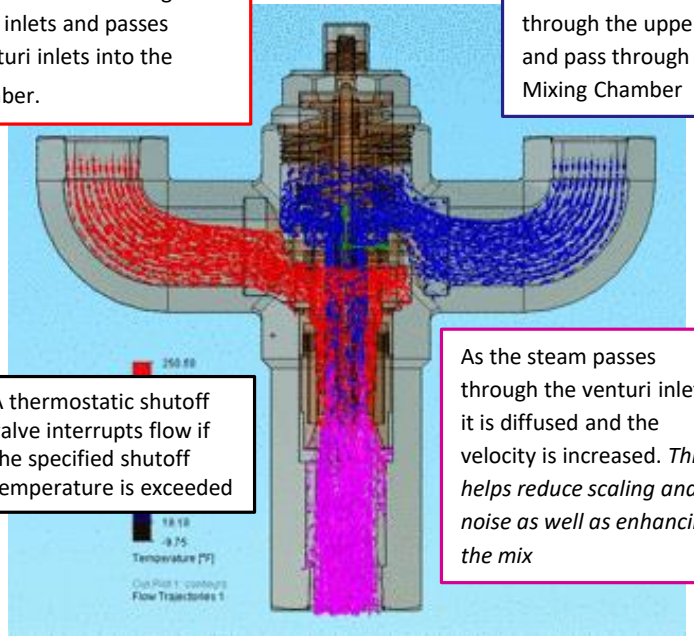
The Inside Story



STVM Operation

Steam enters the valve through the lower steam inlets and passes through venturi inlets into the mixing chamber.

Cold Water enters the valve through the upper water inlets and pass through into the Mixing Chamber

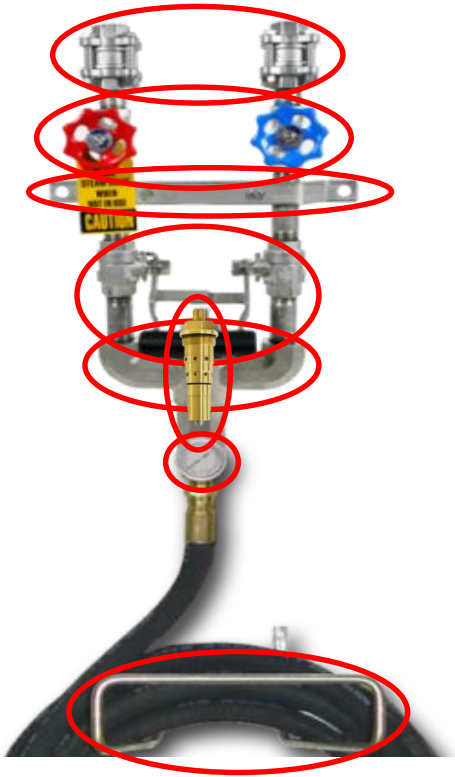


A thermostatic shutoff valve interrupts flow if the specified shutoff temperature is exceeded

As the steam passes through the venturi inlets, it is diffused and the velocity is increased. *This helps reduce scaling and noise as well as enhancing the mix*

Standard Components

- STVM Mixing valve
- Globe Valves
- Check Valves
- Interlocking Ball Valves
- Mixing Tee
- Thermometer
- Hose Rack
- Mounting Bracket Kit
- Available in Bronze or All Stainless Steel Construction



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