



Stainless Steel Shell and Tube Vaporizer with Sanitary Frame Design for Wash Down Applications

TOMCO₂ Systems' Sanitary Design Water Bath Vaporizer is engineered with the ability to fit into any environment, but is specifically designed for the clean room and wash down areas commonly found in the food and beverage industry. With a custom round tubing frame, these units are designed to prevent accumulation of debris or water that can inhibit bacterial growth or other pathogens that can not be tolerated in the food and beverage industry.

Carbon Dioxide Water Bath Vaporizer

FEATURES

- Stainless steel shell and tube ASME coded heat exchanger with removable tube bundle
- Stainless steel tube frame to minimize flat surfaces for debris build-up and bacteria growth
- NEMA 4X stainless steel electric control enclosure
- Adjustable leveling feet
- Control voltage 120 vac, 60 Hz
- On / Off selector switch with power indicator
- Low water temperature shut-off with indicator
- Low water flow shut-off with indicator
- Actuated ball valve on CO₂ inlet side
- 350 psig safety relief valve on CO₂ (tube side)
- 150 psig safety relief valve on water (shell side)
- Water pressure indicator with isolation valve
- Shell drain valve
- Flange connection on water inlet and outlet
- All stainless steel piping
- Standard sizes available up to 20,000 lbs/hr

Single Pump Option with Pump Controls

- Disconnect switch for power isolation
- Pump motor start / stop station with indicator
- Single stainless steel pump with motor
- Motor voltage 240/480 vac, 3 Ph, 60 Hz
- Pump inlet isolation valve
- All stainless steel piping

Dual Pump Option with Pump Controls

- Disconnect switch for power isolation
- Pump motor start / stop station with indicator
- Dual stainless steel pumps with motor
- Motor voltage 240/480 vac, 3 Ph, 60 Hz
- Pump inlet and outlet isolation valves for pump selection
- All stainless steel piping
- Motor selector switch

