



Glacier Tanks

Two Vessel Brewhouses

Features for all two vessel brewhouses

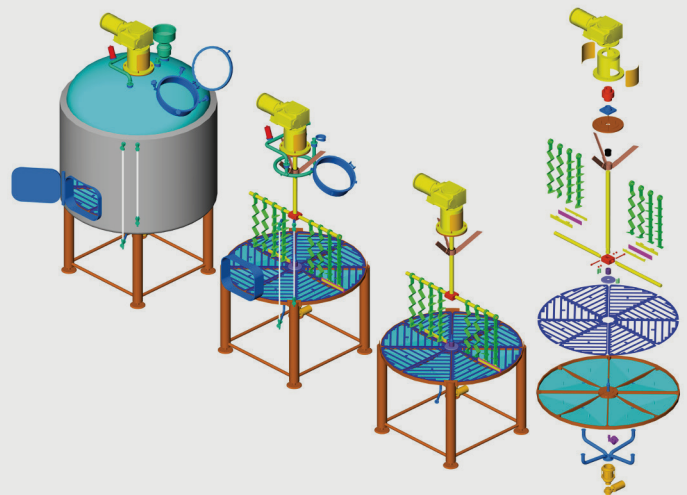


General

- Fully piped. All brewhouse piping is contained under the brew deck and arranged to allow for easy access and maintenance under the platform.
- All stainless-steel platform and decking.
- Water blending station within arm's reach of mash tun manway. Valves and in-line flow meter control water into the mash tun for grist hydration, sparge, and under screen wash.
- Dual stainless steel Glacier Tanks pumps with Leeson Washguard motors.
- Integrated inlet piping for connections to HLT and groundwater.
- Integrated piping and valves to support HERMS.
- Valve logic flow path: All flow paths are controlled via valves, no hoses or connection pipes needed. For easy operation and maintenance, valves are concentrated together at the front of the brewhouse.
- Hot water inlet integrated into valve logic manifold for easy hot water distribution to any part of the system.
- Integrated floor drain port to allow for easy draining of the entire piping system (excludes cold water inlet piping, cold water is non-draining by design).
- Tank drain ports utilize air actuated valves controlled by the control panel (air supply needed).
- Two touchscreen control panels, one mounted on brew deck and one on ground level within arm's reach for grain out controls. All brewhouse information is accessible from both screens.
- Safety E-stop on each control panel and on the main electrical panel.
- Control panels use high quality Allen Bradley and Eaton control hardware.
- Not buying an HLT now? The control system is pre-configured and ready for future reprogramming for HLT control from the brew deck. (Additional future cost).
- Fully piped knockout plate heat exchanger with built in CIP backflush.
- CIP loops integrated into piping system. Tanks each have dual sprayballs for effective cleaning.
- Laser etched flow path diagram and system specs mounted in an easily visible location.
- Platform railing is attached using standard 1.5" tri clamps with PTFE gaskets for easy maintenance if needed.

Mash Tun

- Tool-less screen removal system with integrated center thermowell
- All stainless-steel rakes are run by a high-quality Nord motor
- Rakes can be run backward to activate wiper for grain-out
- Rectangle manway for grain-out
- Glass manway with custom etched brewery logo
- Double insulation thickness for cooler touch and less heat loss during use.
- Multi-port draining system with sight glass drain grant
- Dual sight glasses to monitor stuck mash
- Under-screen wash system with 360-degree spiral sprayers
- Sparge ring with 360-degree spiral sprayers
- 4" grain inlet port and grist hydrator ready for connection to grist auger or hopper cone
- Vorlauf piping which includes distribution plate to avoid grain bed disruption during recirculation
- Optional steam jacket





Kettle: Electric

- High-quality, commercial grade, 316 stainless steel, three-phase immersion heaters from Bucan
- Double insulation thickness for cooler touch and less heat loss during use.
- Integrated whirlpool
- Separate product outlet positioned to avoid trub after whirlpool
- Condensate trap and drain
- Digital level meter integrated into control system
- Durable commercial series thermowell
- LED light
- Glass manway with custom etched brewery logo



Kettle: Gas

- High efficiency exhaust wrap
- Firebox inspection port.
- Midco Forced Air Burner
- Extra-large firebox maintenance access
- Firebox lined with kaowool insulation
- The durable 5mm kettle bottom includes baffles and heat sinks for better heat transfer.
- Double insulation thickness for cooler touch and less heat loss during use.
- Integrated whirlpool
- Separate product outlet positioned to avoid trub after whirlpool
- Condensate trap and drain
- Digital level meter integrated into control system
- Durable commercial series thermowell
- LED light
- Glass manway with custom etched brewery logo



Kettle: Steam

- High efficiency steam jacket with distributed steam injection and distributed condensate drain for even heating.
- Double insulation thickness for cooler touch and less heat loss during use.
- Integrated whirlpool
- Shallow conical, center cleanout drain
- Separate product outlet positioned to avoid trub
- Condensate trap and drain
- Digital level meter integrated into control system
- Durable commercial series thermowell
- LED light
- Glass manway with custom etched brewery logo

Unique Features Applicable to Size Ranges:

Specific to 3 BBL & 5 BBL

- System mounted on a forkliftable skid.
- Brewhouse wiring and piping comes pre-assembled.
- Removable ladder and valve logic manifold (not assembled to skid frame during shipping, customer must assemble to skid frame on-site).
- Main electrical panel mounted to skid frame and ready for direct power connection.
- Heat exchanger mounting location behind removable ladder (heat exchanger not assembled to skid frame during shipping. Customer must assemble to skid frame on-site).
- Tanks are pre-leveled to skid. Skid has independent leveling feet for easy system leveling.

Specific to 7 BBL & 10 BBL

- Independently standing tanks with leveling feet.
- Tank connection piping included with platform.
- Tank to platform markers for easier alignment of tanks and piping during installation.
- Oversized platform with removable railing to accommodate access to pallets from the brew deck if needed for hand additions.
- Main electrical panel set up for wall mounting.

Specific to 15 BBL & 20 BBL

- Independently standing tanks with leveling feet.
- Tank connection piping included with platform.
- Tank to platform markers for easier alignment of tanks and piping during installation.
- Oversized platform with removable railing to accommodate access to pallets from the brew deck if needed for hand additions.
- Main electrical panel set up for wall mounting.
- Stainless steel sink and countertop integrated into brew deck railing.

