



## BREWHOUSE STANDARD CONFIGURATION

### 2-VESSEL

### 3-VESSEL

### 4-VESSEL

#### Custom sizing & configuration available

Typical size range:

**2 / 3 / 5 / 7 / 10 / 15 BBL**

Typical size range:

**5 / 7 / 10 / 15 / 20 / 30 BBL**

Typical size range:

**10 / 15 / 20 / 30 / 50 BBL**

#### Mash Tun

with side grain out access

#### High Gravity Mash Tun

- Low pressure steam jacket with PLC controlled temperature control for optimum profile capability
- VFD speed and function controlled, custom engineering mash mixer for low sheer, efficient mash mixing designed to handle high gravity brews

#### Lauter Tun

with side grain out access

#### High Gravity Lauter Tun

designed to handle larger grist loads

- Integrated, VFD speed and function controlled rake system designed to cut and lift grain bed to maximize extract yield, reduce lautering time and automate grain out processes
- Custom designed wedge wire false bottom designed to maximize yield and minimize grain pass-through
- Grain out access manway for easy and efficient grain out processing
- Multipoint wort collection design for uniform bed formation and high yield extract collection

#### Brew Kettle / Whirlpool Vessel

with integrated steam jacket and temperature control

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- Custom designed vessel optimized for rapid boiling and efficient and high yield trub separation
- Low pressure steam jacket with PLC controlled temperature control for efficient and vigorous boil control
- Tangential inlet for proper centrifugal force for efficient trub separation

#### Brew Kettle

with integrated steam jacket and temperature control

- Custom designed vessel optimized for rapid boiling and DMS removal improving product quality and energy efficiency
- Low pressure steam jacket with PLC controlled temperature control for efficient and vigorous boil control

#### Whirlpool Vessel

for efficient and optimal trub separation

- Tangential inlet for high centrifugal circulation of wort and trub separation
- Whirlpool vessel designed to maximize wort yield with sloping bottom

**Semi-Automated Controls** with Allen-Bradley PLC & Remote Access Support

**UL Electrical System** with NEMA 4X Control Panel

**316L Sanitary Pumps** with VFD Controls

**316L Stainless Steel Plate Heat Exchanger** for "Knock Out" with integrated temperature controls

**Manual Sanitary Butterfly Valves**

**Ergonomic and efficient 304 stainless steel Brew Deck** with easy access to all vessels and brewing functions





## BREWHOUSE OPTIONS

### 2-VESSEL

### 3-VESSEL

### 4-VESSEL

#### **Integrated ProBrew CIP On-Demand System**

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with automated chemical addition and concentration monitoring

#### **Full-Automation PLC Control System**

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with integrated remote access and control and large format color touchscreen operator control panel

#### **Mash / Lauter Tun Rakes**

#### **Raising & Lowering rakes**

allowing rake flexibility and function during lautering and grain out processes

#### **External Calandria**

for quick and efficient wort heating, enabling rapid and vigorous boiling in the brew kettle

#### **Lauter Grant**

for improved Lauter Tun runoff control and quality control

**Hot Liquor Tank** – designed and Sized for Multiple Brew efficiency

**Cold Liquor Tank** – fully insulated and integrated

**Air Actuated Automatic Butterfly Valves**

