

Line	Qty	Description
------	-----	-------------

1 1 8 Cubic Foot Backwashing Carbon Filter (removal of chlorine for boiler and/or brew water)



Features:

- Long Life Coconut Shell Granular Activated Carbon Media
- Poly-glass Tank
- Top Mount Brass Control Valve
- Automatic Clock Controlled Backwash

2 1 Multi Stage Chiller - 7 x 7 Hp - G & D Chillers



Features:

- 102,100 Btu/hr @ 30 degrees Fahrenheit
- 2 complete refrigeration circuits for redundancy and load control
- Engineered high efficiency heat exchanger for maximum energy efficiency
- Glycol pump
- Dynamic Fluid bypass valve
- Insulated stainless steel glycol reservoir with level indicator
- All insulated copper piping
- ETL 508A listed complete control panel with single point electrical connection, breakers, starters & safety switches
- High and low pressure controls

Line	Qty	Description
------	-----	-------------

- Freeze stat safety switch
- High temp alarm
- Low ambient control
- Anti cycle timer to prevent short cycling of compressor
- On/pump down/off switch
- Dual Stage Digital temperature controller for simple operation
- Supply and return ball valves
- Fully powder coated steel frame
- Powder coated aluminum housing
- Louvered access panels for easy service and maintenance
- Factory-Run tested and fully charged with refrigerant
- Dimensions 84"L x 48"W x 61.5"H
- Tank Volume 115 Gallons
- Process Pump 2 HP 65GPM @ 25PSI
- Operating Weight 2468 lbs.
- Connection Size 1.5"

3 1 Alpha Mill - 2 roller grist mill

Features:

- Up to 3,200 lbs per hour
- 5 hp motor - explosion proof motor
- High yield extract efficiency saves on grain expense
- Dust tight
- 6 x 6 Dual rollers - one piece rollers hardened
- Travel Gauge for dialing rollers within 1/1000th of an inch
- Heavy duty construction
- Powder coated steel frame
- Low profile in-feed hopper for ergonomic grain dumping
- Large magnetic comb catches any metal fragments
- Motor start control



4 1 Flex Auger System

Features:

- Priced at 30' with 3 elbows (final price may vary based on length, elbows and motors required)
- Extruded PVC tubing formed to exacting standards



Line	Qty	Description
------	-----	-------------

- Blended PVC allows for UV stabilization, strength and wear resistance.
- Improved dust reduction
- Protection against pest contamination
- Reduced operating noise level
- Completely enclosed, fan cooled direct drive auger motor unit.
- Increased wall thickness on elbows for increased tensile strength and longevity

5 1 **Stainless Steel Grist Hopper (50 cu. ft.)**

Features:

- MOUNTED TO MASH TUN
- OPTIONAL stand for floor hopper installation
- Slide gate for grain control
- 304 Stainless steel construction
- Removable cover (wing-nut)
- Dust reducing auger entry port
- Grain spreader plate



6 1 **7 bbl 2 Vessel Direct-fire Brew House with Standard Control System**

Included Features: UL Certification

- 304 stainless steel work platform, stairs and railing
- #4 polished sanitary exterior SS finish
- Stainless vessel material thickness 2mm interior, 3mm exterior, 4mm dome
- Single Stage Heat Exchanger (Two stage optional)
- Tri-clamp sanitary fittings
- Sequential in-line fluid valve manifold

Standard Control System (Automated control system optional):

- Automatic digital temperature controllers
- Variable pump speed potentiometers
- Full modulating burner control
- High efficiency LED interior tank lighting
- LED platform ground effects lighting
- Emergency stop and reset controls
- Manual butterfly valves

Wide Mash / Lauter Tun:

- CB 214: 1.5 Hp stainless steel washdown craft brew wort pump



Line	Qty	Description
------	-----	-------------

- SEW Eurodrive gearmotor propels the rakes and grain plow
- Stainless steel grist hydrator with 4" sight glass
- Hot and cold liquor blending assembly
- 3" Polyurethane insulation layer
- Multiple CIP spray jets under false bottom
- Multiple wort drains
- Manometer liquid level glass beneath and above false bottom
- Sparge ring and vorlauf assembly
- Vorlauf sight glass on platform
- Tempered glass manway (logo printing optional)
- Side Man-way for grain dump
- Slotted rotating spray balls - 360 degree coverage
- High efficiency LED interior tank lighting

Kettle / Whirlpool

- CB 214: 1.5 Hp stainless steel washdown craft brew whirlpool pump
- Forced gas direct-fire kettle
- Stainless steel fire box insulated with refractory mortar
- 8" stainless steel flue vent
- Conductivity probe for low level protection
- 8" tri-clamp vent opening with condensate ring and drain
- 8" condensing "U" pipe with cool water spray and drain
- 3" Polyurethane insulation layer
- Slotted rotating spray balls - 360 degree coverage
- Tempered glass manway (logo printing optional)
- High efficiency LED interior tank lighting
- Tangential whirlpool inlet
- 1.5" side wort drain 8" above bottom dish
- 2" bottom wort drain behind SS tube dam

7 1 400,000 btu/hr Direct Fire Natural Gas Burner

Features:

- Full Modulating Controls
- UL listed
- 120vac/1/60hz
- Propane fuel orifice optional
- Pre-piped
- 1/6 hp combustion blower
- 1" inlet
- 4" blast tube
- Gas pressure required 7.0" WC. Min / 14.0" WC



Line	Qty	Description	
------	-----	-------------	--

Max

- 8 SEW Eurodrive Motors - standard feature on all Alpha Brewhouses



- As a world leader in drive technology and a pioneer in drive-based automation, SEW-EURODRIVE has established a reputation for providing the best motors out there.

- 9 1 Liquor Blending Flow Meter / Totalizer



Features:

- Precise measurement of cumulative, batch total, and flow rate
- Hi temperature range up to 250 fahrenheit
- 9,000 hour lithium batteries
- Remote digital display
- 1.5" tri-clover fittings
- 316 SS sanitary housing
- Tungsten carbide shaft

- 10 1 Wort Micro-oxygenation assembly



Features:

- 1" dia x 8" length
- 2 micron porous diffusing stone 316 ss
- Sanitary check valve
- Easy stone replacement
- 1/4" female NPT O2 connection
- 1.5" Sanitary tri-clamp connections

- 11 1 All Glass Wort Grant



Features:

- All glass and stainless steel construction
- CIP spray ball
- Closed vessel design
- All 1.5" sanitary tri-clover fittings

Line	Qty	Description
------	-----	-------------

12 1 10 bbl Hot Liquor Tank by fire

Features:

- 304 SS TIG weld construction
- #4 sanitary brite polish SS exterior finish with 2b interior finish
- Reinforced stainless steel legs with adjustable height for leveling
- 11 gauge interior SS and 14 gauge exterior cladding
- Direct Fire Box
- 1.5" Tri-clover sanitary fittings
- Temperature gauge port (Sanitary Bi-metal Thermo-meter not included)
- Thermo-well (RTD sensor not included)
- CIP arm and spray ball 360° of coverage
- Lifting Lugs
- Ladder hooks (on 15bbl or larger)
- Butterfly valve included



13 1 400,000 btu/hr Direct Fire Natural Gas Burner

Features:

- Full Modulating Controls
- UL listed
- 120vac/1/60hz
- Propane fuel orifice optional
- Pre-piped
- 1/6 hp combustion blower
- 1" inlet
- 4" blast tube
- Gas pressure required 7.0" WC. Min / 14.0" WC Max



14 1 7 bbl Cold Liquor Tank

Features:

- 304 SS TIG weld construction
- #4 sanitary brite polish SS exterior finish
- Reinforced stainless steel legs with adjustable height for leveling
- 11 gauge interior SS and 14 gauge exterior cladding
- Side and bottom glycol jackets 3/4" NPT



Line	Qty	Description
------	-----	-------------

- Tri-clover sanitary fittings
- Tri-clamp temperature gauge port (Sanitary Bi-metal Thermometer not included)
- Tri-clamp RTD port (RTD sensor not included)
- CIP arm and spinning spray ball 360° of coverage
- Sight level glass
- Lifting Lugs
- Ladder hooks (on 15bbl or larger)
- Butterfly valves included

15 2 Hot or Cold Liquor Pump

Features:

- Stainless steel wash-down pump
- All wetted parts 316L SS
- Pump finish ID/OD 32 RA
- Variable speed control
- 3A approved



16 2 Hot or Cold Liquor Pump SS Piping Assembly

Features:

- 304 stainless steel recirculation and suction piping
- Valve tree with all butterfly valves and 1.5" tri-clover fittings
- Pump floor mounting hardware





17 3 10 bbl Fermentation Vessel - tall profile

Features:

- 304 SS TIG weld construction
- #4 sanitary brite polish SS exterior finish
- Operating pressure max - 15psi, tested to 30psi
- Reinforced stainless steel legs with adjustable height for leveling
- 11-gauge interior SS and 14-gauge exterior cladding
- Side and cone cooling jackets 3/4" NPT
- Tri-clover sanitary fittings
- Sample valve
- Pressure/vacuum relief valve (30psi max pressure, -.15 psi vacuum)
- Pressure gauge (fluid filled)
- Tri-clamp temperature gauge port (Sanitary Bi-metal Thermometer not included)
- Tri-clamp RTD port (RTD sensor not included)



Line	Qty	Description	
		<ul style="list-style-type: none"> - Shadowless side man-way - Racking arm with tri-clover fitting (DIN fitting optional) - 4" Dry hop port - CIP arm and spinning spray ball 360° of coverage - Lifting Lugs - Ladder hooks (on 15bbl or larger) - Butterfly valves included 	
18	6	7 bbl Single Wall Serving Tank - tall profile	
		<p>Features:</p> <ul style="list-style-type: none"> - 304 SS TIG weld construction - #4 sanitary brite polish SS exterior finish - Operating pressure max - 15 psi, tested to 30psi - Reinforced stainless steel legs with adjustable height for leveling - 11 gauge interior SS and 14 gauge exterior cladding - Sintered stainless steel carbonation stone assembly - CO2 quick disconnect - Sight fluid level tube - Tri-clamp sanitary fittings - Sample valve - Pressure/vacuum relief valve (30psi max pressure, -.15 psi vacuum) - Pressure gauge (fluid filled) - Tri-clamp temperature gauge port (Sanitary Bi-metal Thermometer not included) - Tri-clamp RTD port (RTD sensor not included) - Shadowless side man-way - CIP arm and spinning spray ball 360° of coverage - Lifting Lugs - Ladder hooks (on 15bbl or larger) - Butterfly valves included 	
19	1	8 Vessel Cellar Temperature Control Panel	
		<p>Features:</p> <ul style="list-style-type: none"> - MOD BUS capable temp controllers for control from brew house, phone, computer, tablet - Thermal overload and surge protected - Ramp soak capable for step crash sequencing - NEMA enclosure 	

21 1 1.5 Hp CIP / Transfer Pump Cart

Features:

- **Stainless steel wash-down pump**
- **Variable speed control**
- **304 SS construction**
- **Bead blast finish**
- **8" semi-pneumatic wheels**
- **Adjustable pivot point axle**
- **Handle mount cord wrap**



22 1 Brewery Hose and Fittings

Features:

- **12 clamps with 24 gaskets for tri-clover ends**
- **6 tri-clover caps**
- **4 butterfly valves with tri-clover ends**
- **12 worm gear clamps**
- **Spare manway, port clamp, heat exchanger gaskets**
- **100' Brewers hose**
- **8 tri-clover hose barb ends for brewers hose**
- **4 elbows for brewers hose**
- **1 pump seal rebuild kit**



23 11 Sanitary Bi-metal Thermometer

Features:

- **7" probe**
- **0-250 Fahrenheit range**
- **Precise calibration capability**



Line	Qty	Description
------	-----	-------------

24 5 RTD Sensors

Features:

- 7.5" RTD 3 wire thermal probe
- 1.5" sanitary tri-clamp and gang box



25 4 Glycol Valves

Features:

- ¾" FPT Brass
- 24VAC



26 2 RTD Sensor Wire (200 linear foot shielded wire)



27 60 Foot Pads for anchoring tanks to floor

8" x 8" stainless steel foot pads for brewhouse platforms and tanks.

M16 Welded Pad: 4 - for brewhouse platform

M27 Welded Pad: 56 - for all tanks