



QUOTE

Number **ABOQ9458**
 Date **Jun 28, 2018**

Sold To

Ship To

Your ALPHA Rep

Anderby Brewing Co
Preston Smelt
 Georgia



J.T. Glenn
 402-467-1218
 JT@alphabrewops.com

Phone **404-436-3905** Phone
 Email **preston@anderbybrewing.com** Phone



Terms	P.O. Number	Ship Via
--------------	--------------------	-----------------

ABOQ9458

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

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



\$2,083.00 \$2,083.00

Features:

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

2 1 2 cu. ft. Commercial Water Softener (for boiler supply water)



\$1,334.00 \$1,334.00

Features:



- Poly Glass Resin Tank
- High density Polyethylene brine tank
- Fleck control system
- Filter media included (salt not included)

Line	Qty	Description	Unit Price	Ext. Price
3	1	A250 2,000,000 btu/hr output Atmospheric Low Pressure Steam Boiler (Pre-assembled) Complete system features: <ul style="list-style-type: none"> - UL, CSD-1 and Cal Code Compliant. - Factory Pre-Assembled - 2,000,000 BTUH OUTPUT - ASME Section IV - ASME Relief Valve Set at 15 PSIG - Probe Type primary low water cut off / pump control. - Probe Type Secondary low water cut off with manual reset. - Hinged and Insulated Head Plates. - Hi-Low Firing on Natural Gas - upgrade from On-Off - 120 Volt, single phase, 60 Hertz power. - Warrantied and serviced directly through RITE Engineering - Does not include installation or installation materials - Main Gas Train with two Safety shut off valves, Isolation gas cock, firing cock and main gas regulator. - Pilot Gas Train with solenoid valve and pilot regulator. - Ignition Transformer. - Honeywell RM7890A1015 Flame Safeguard with Flame Rod. 	\$24,980.00	\$24,980.00



4	1	Feed Water and Condensate Return Tank - CR100 Features: <ul style="list-style-type: none"> - Model CR50 with single MTH T41J - Bronze fitted turbine pump 1/2 HP - Pump controlled from boiler 	\$6,850.00	\$6,850.00
---	---	---	------------	------------



Line	Qty	Description	Unit Price	Ext. Price
5	1	A225-275 ASME Code Blow Down Tank Model: BDT LPS 1872 The blow-down tank receives the water that gets blown down (drained while the boiler is under steam pressure) from the boiler and the steam column. The purpose of the blow down is to get rid of the minerals and solids that build up inside the boiler that would otherwise stick to the heating surfaces (think of the white lime scale inside a tea kettle). This water is very hot and cannot be put directly into the sewer if over 135o to 140o F (60o C).	\$6,000.00	\$6,000.00
				
6	1	Chemical Treatment Package Features: - 48" pail of Rite BT-849 Chemical treatment - Chemical metering pump with suction and discharge tubing and connections including check valves - 120v single phase, 60Hz receptacle on feed pump electrical housing to plug in chemical metering pump. - Stainless steel body sample cooler mounted on the side of the boiler - Test kit with instructions - 1/4" Stainless steel injection quill installed in condensate return tank	\$2,900.00	\$2,900.00
				
7	1	Hoffman Watchman WC6-20B Condensate Transfer Station	\$1,562.00	\$1,562.00
		Features:		

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

8 1 Multi Stage Chiller - 7 x 7 Hp



\$21,779.00

\$21,779.00

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
- 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"

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

9 1 Alpha Mill - 2 roller grist mill



\$8,990.00

\$8,990.00

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

10 1 Flex Auger System





\$2,400.00

\$2,400.00

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
- 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

Line	Qty	Description		Unit Price	Ext. Price
11	1	Stainless Steel Grist Hopper (80 cu. ft.) Features: <ul style="list-style-type: none"> - 4 heavy duty corner eye bolts for suspended installation (hanging hardware not included) - HD Stainless steel bolt on 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 		\$3,998.00	\$3,998.00
12	1	10 bbl 3 Vessel (M/L, K, W) Steam Brew House with Standard Control System 10bbl 2v brew house priced at \$60,000 Included Features: UL Certification <ul style="list-style-type: none"> - 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): <ul style="list-style-type: none"> - Automatic digital temperature controllers - Variable pump speed potentiometers - High efficiency LED interior tank lighting - LED platform ground effects lighting - Emergency stop and reset controls - Motorized steam valve controls - Manual butterfly valves Wide Mash / Lauter Tun: <ul style="list-style-type: none"> - CB 114: 1.5 Hp stainless steel washdown craft brew wort pump 		\$79,999.00	\$79,999.00

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

- SEW Eurodrive gearmotor propels the rakes and grain plow
- Stainless steel grist hydrator with 4" sight glass
- Hot and cold liquor blending assembly
- Side and bottom steam jackets with individual zone control
- 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

Brew Kettle

- Side and bottom steam jackets with individual zone control
- 8" tri-clamp vent opening with condensate ring and drain
- 8" condensing "U" pipe with cool water spray and drain
- Side and bottom steam jackets with individual zone control
- 3" Polyurethane insulation layer
- Slotted rotating spray balls - 360 degree coverage
- Tempered glass manway (logo printing optional)
- High efficiency LED interior tank lighting
- 1.5" bottom wort drain behind SS trube dam
- 2" center bottom trube drain

Whirlpool

- CB 114: 1.5 Hp stainless steel washdown craft brew whirlpool pump
- 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)

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

- High efficiency LED interior tank lighting
- Tangential whirlpool inlet
- 1.5" bottom wort drain behind SS trube dam
- 2" center bottom trube drain

13 1 Brew House Full Automation Package



\$7,464.00

\$7,464.00

Unitronix Color Vision 12.1" screen

Features:

- 12" touch screen panel with programmable logic controller (PLC)
- ABB brand variable frequency drives and other electronic components
- Remote brew house monitoring and control of certain functions via ethernet, or wifi
- Air actuated transfer valves
- Step mash program with recipe storage and recall (for steam heated systems)
- Add hops timer with recipe storage and recall
- Timer setting for automatic rakes
- Motorized steam valves for temperature modulation
- Cellar tank control capability (data wire from cellar control panel required)
- Variable speed drives for all pumps and motors
- Auger start/stop control
- 2 years of free program updates

HMI

- Up to 1024 user-designed Screens
- 500 images per application
- HMI graphs - color-code trends
- Built-in alarm screens
- Text string Library - easy localization
- Troubleshoot via the HMI panel - no PC needed

PLC

- I/O options include high-speed temperature & weight measurement
- Auto-tune PID, up to 24 independent loops
- Recipe programs and data logging via Data Tables
- Micro SD card - log, backup, clone and more.
- Time-based control in 3 clicks

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

14 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.

15 1 Wort Micro-oxygenation assembly



\$384.00 \$384.00

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

16 1 All Glass Wort Grant



\$895.00 \$895.00

Features:

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

Note: Automated level control optional

17 1 Liquor Blending Flow Meter / Totalizer



\$960.00 \$960.00

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

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

- Tungsten carbide shaft

18	1	Wort Grant Ultrasonic Liquid Level Automation	\$428.00	\$428.00
----	---	---	----------	----------

Features:

- Ultrasonic liquid level sensor
- Sensor wire to PLC
- Automatic pump speed control



19	1	20 bbl Hot Liquor Tank	\$9,931.00	\$9,931.00
----	---	------------------------	------------	------------

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 steam jackets 3/4" NPT
- Tri-clamp sanitary fittings
- Tri-clamp temperature gauge port (Sanitary Bi-metal Thermonmeter 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



20	1	20 bbl Cold Liquor Tank	\$9,931.00	\$9,931.00
----	---	-------------------------	------------	------------

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



Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

- cladding
- Side and bottom glycol jackets 3/4" NPT
 - Tri-clover sanitary fittings
 - Tri-clamp temperature gauge port (Sanitary Bi-metal Thermonmeter 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

21 2 Hot or Cold Liquor Pump



\$1,690.00 \$3,380.00

Features:

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

22 2 Hot or Cold Liquor Pump SS Piping Assembly



\$778.00 \$1,556.00

Features:

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

23 2 20 bbl Fermentation Vessel



\$12,205.00 \$24,410.00

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

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

- 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)
- 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

24 6 10 bbl Fermentation Vessel



\$8,010.00

\$48,060.00

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)
- 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)

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

- Butterfly valves included

25 1 20 bbl Brite Tank



\$11,487.00

\$11,487.00

Features:

- 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
- Side and bottom cooling jackets 3/4" NPT
- 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

26 1 10 bbl Brite Tank



\$7,499.00

\$7,499.00

Features:

- 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
- Side and bottom cooling jackets 3/4" NPT
- Sintered stainless steel carbonation stone

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

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

27 1 Touch Screen Cellar Temperature Control Panel - 16 Vessel



\$4,076.00 \$4,076.00

Features:

- 7" HMI touch screen with programmable logic controller
- Expandable I/O modules for adding more tanks
- 2 way communication with brew house PLC
- Thermal overload and surge protected
- Ramp soak capable for step crash sequencing
- NEMA enclosure

28 1 Alpha "Wash Dog" Two Station Automatic Keg Washer



\$14,985.00 \$14,985.00

Features:

- Proudly made in U.S.A.
- Up to 40 Kegs/hr capacity
- Automatically adjusts to cleans 1/6bbl, 1/4bbl, 1/2bbl kegs
- Powerful, yet virtually silent Gould pumps
- Front panel pressure regulators for incoming compressed air and CO2
- Touch Screen operator interface (PLC) program allows fully adjustable cycle timing and recipe

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

setting

- Sensors detect low tanks levels, missing kegs and other conditions to prevent damage
- Self-centering polymer (UHMW) funnel secures kegs when setting into place
- Dual heated chemical tanks with independent temperature controls
- Fully insulated solution tanks to conserve energy
- Lexan doors and window allow a clear view of the operation from all sides
- Full safety enclosure and basin with drain for safe, clean conditions
- Long life nickel chromium heating elements
- Sanitary stainless steel contact components and process piping

Options:

- Steam sanitizing of kegs
- Steam heating of chemical tanks
- Automatic chemical dosing

29	1	5 Port Keg Filler	\$2,500.00	\$2,500.00
----	---	-------------------	------------	------------

Supplied by GW Kent

Features:

- Pipe stand in stainless steel that is foldable for storage.
- Manifold
- Proline keg coupler filler with automatic stop (American Sanky D coupler)
- Sight glass
- Elbow
- Sanitary pressure gauge
- Hose for keg, fittings and beer line valves

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

30 1 300L Portable Clean in Place (CIP) Trolley



\$7,200.00

\$7,200.00

Features:

- Stainless steel mobile trolley
- Dual individually heated CIP tanks
- Long life nickel chromium heating elements
- Automatic temperature control
- NEMA enclosure
- Variable speed wash down SS pump

31 1 1 Barrel Stainless Steel Hop Back



\$1,510.00

\$1,510.00

Features:

- Add hops aromas in line on hot side
- Perforated SS false top
- 1.5" tri-clover inlet/outlet ports

32 1 1.5 Hp CIP / Transfer Pump Cart












\$3,343.00

\$3,343.00

Features:

- Stainless steel Waukesha SPX wash-down pump
- ABB variable speed control
- 304 SS construction
- Heavy duty wheels
- Handle mount cord wrap
- 25' cord with NEMA configuration L-14-20P

Line	Qty	Description		Unit Price	Ext. Price
33	1	16" Three Module Lenticular Beer Filter Housing		\$6,565.00	\$6,565.00
		Features: <ul style="list-style-type: none"> - 316 stainless steel w/ electro polish - Pressure gauge - 2 butterfly valves - 1.5" sanitary tri-clover fittings - Venting valve and drain valve 			
34	1	Brewery Hose and Fittings		\$2,769.00	\$2,769.00
		Features: <ul style="list-style-type: none"> - 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 			
35	16	RTD Sensors		\$140.00	\$2,240.00
		Features: <ul style="list-style-type: none"> - 7.5" RTD 3 wire thermal probe - 1.5" sanitary tri-clamp and gang box 			
36	16	Sanitary Bi-metal Thermometer		\$137.00	\$2,192.00
		Features: <ul style="list-style-type: none"> - 7" probe - 0-250 Fahrenheit range - Precise calibration capability 			

Line	Qty	Description		Unit Price	Ext. Price
37	15	Glycol Valves		\$178.00	\$2,670.00
		Features:			
		- 3/4" FPT Brass			
		- 24VAC			
38	6	1" NPT Motorized Steam Value		\$581.00	\$3,486.00
		Features:			
		- 1" FPT Motorized Steam Valve,			
		- 24v AC			
39	3	RTD Sensor Wire (200 linear foot shielded wire)		\$280.00	\$840.00
40		SubTotal			\$343,636.00
41		7.0% Complete Package Discount			-\$24,054.52
42	5	On-site Commissioning and Training Service		\$450.00	\$2,250.00
		- \$450 per day, per technician			
		- Equipment final connections & startup			
		- Operator training			
43	5	Per day transportation, lodging, meal expenses		\$250.00	\$1,250.00
		- (Estimate only. Final charges to be determined. Payment due prior to service)			
44	1	Shipping, Handling, Crating, Documentation (TBD FOB Destination. Final charges to be determined within 15 days of shipment)		\$4,500.00	\$4,500.00

Line	Qty	Description	Unit Price	Ext. Price
------	-----	-------------	------------	------------

Payment Terms:

- All prices quoted herein are valid for 30 days.
- Standard payment terms are 50% down payment, 50% payment prior to shipment.
- Standard payment terms for in stock items are 100% payment prior to shipment.

SubTotal	\$327,581.48
Tax	\$0.00
Shipping	\$0.00
Total	\$327,581.48

Lead Time:

- Estimated lead time begins upon approval of equipment layout drawings.

Commissioning and Training:

- Commissioning and training service is \$450 per day, per technician. The estimated service cost per the purchase agreement must be paid prior to service execution. Any discrepancy of actual service time and estimated service time will be billed, or refunded accordingly.
- Technician overtime: The standard work day is a maximum of 10 hours with 1 hour for meals/breaks. If extended time is desired the buyer will be billed at a rate of \$90 per hour.
- Service can be scheduled upon receipt of the signed, completed commissioning preparatory checklist. Once the checklist is received commissioning service will be scheduled to commence within 1 - 3 weeks.
- Travel, hotel and meal expenses are \$250 per day, per technician and are due with final payment of equipment prior to shipment.

Shipping:

- FOB Destination unless otherwise stated in the purchase agreement. Freight charges are due at the time of final payment for equipment, prior to shipment.

Warranty Terms:

- Please refer to warranty terms and conditions

