



NDLCRAFT

East Erhuan Road,
Pingyuan Economic Development Zone,
Dezhou, China 253100




500L Brewery Equipment







Quality built to brew your craft








At NDLCraft, we have the manufacturing expertise and creative flexibility to build breweries that will fit your unique needs and production space.

Our breweries can be designed in both North American and European configurations. NDLCRAFT breweries will be fully tested before delivery, creating a low-cost, functional and highly efficient brewing system.

For all NDLCRAFT equipment, we insist on providing you perfection, paying close attention to brewing system functionality and appearance details.

Item	Specification	Qty	Image for reference
1. Mashing System			
Mash/Lauter tun	<p>Effective volume: 500L, total volume: 625L. Dimensions: ϕ1160*2650mm. Inner tank(SUS304) thickness: 3.0mm. Outer tank(SUS304) thickness: 2.0mm. Insulation: Aluminium silicate-thickness: 80mm. Power of rake: 1.1KW Heating method: Steam heating With steam heating jacket Removable false bottom: gap: 0.8mm. Spent grain door: 330mm*430mm. Sparging system: spiral nozzle. Top manhole: 350mm, center with glass. Spray ball: SUS304. Welding process: 100% TIG welding joints. All seams be ideally polished.</p>	1	
Kettle/Whirlpool tank	<p>Effective volume: 500L, total volume: 625L. Dimensions: ϕ1160*2650mm. Heating way: Steam heating Not with agitator Inner tank(SUS304) thickness: 3.0mm. Outer tank(SUS304) thickness: 2.0mm. Insulation: Aluminium silicate-thickness: 80mm. Top manhole: 350mm, center with glass. With liquid level display device. Spray ball: SUS304. With Indoor Condenser Welding process: 100% TIG welding joints. All seams be ideally polished.</p>	1	
Working platform	<p>Stainless steel Punching type</p>	Assort	

<p>Plate heat exchanger</p>	<p>6 m² Two stages. Suspension type, detachable. Design pressure: 7.5bar; test pressure: 8bar. Design temperature: 110°C. Gasket material: NBR. Plate material: SUS304 Brand: Nuanbao.</p>	<p>1</p>	
<p>Wort pump</p>	<p>Flow: 3T/H; Lift: 18m. Rotating speed: 2900r/min. Stainless steel centrifugal pump. Power: 0.75KW.</p>	<p>1</p>	
<p>Yeast adding tank</p>	<p>10L Material: SUS304. No dead corner. Inner surface treatment: seams be ideally polished.</p>	<p>1</p>	
<p>Hops filter</p>	<p>Material: SUS304 Inner filter holes: 0.8mm.</p>	<p>1</p>	
<p>Accessories</p>			
<p>Oxygen filling device</p>	<p>Carbonation stone Accuracy: 0.45um</p>	<p>Assort</p>	
<p>Saccharimeter</p>	<p>Range: 0-10BX, 0-20BX Precision: 0.1BX</p>	<p>Assort</p>	
<p>Spent grain harrow</p>	<p>Material: SUS304 L=1600mm</p>	<p>Assort</p>	
<p>Temperature sensor</p>	<p>Range: -50-150°C Precision: 0.1°C</p>	<p>Assort</p>	

Spray ball	Material: SUS304	Assort	
Food Hose	18meter sanitary reinforced brewery hose with TC adaptor Meet USA FDA certificate Very good and safe.	18M	
Steam process valves	pneumatic steam angle seat valves for steam jacket. Steam trap (ESG brand) on the steam outlet.	Match	
Valves & pipeline	Health food grade pipeline. Butterfly valve, no dead corner, sterilization more comprehensive.	Assort	
2. Fermentation System and others			
Fermentation tank -500L	<p>Effective volume: 500L Dimensions: $\phi 960 \times 2450$mm. Cooling way: Glycol cooling jacket. Inner tank(SUS304) thickness: 3.0mm. Outer tank(SUS304) thickness: 2.0mm. Insulation: Polyurethane-thickness: 80mm. Side shadowless manhole: 280x380mm. Aseptic sampling valve. With hops adding port. With racking arm. With bunging device. Conical bottom 60°. With carbonation stone Design pressure: 2Bar, test pressure: 2.5Bar. Spray ball: SUS304. With one spare using sealing Welding process: 100% TIG welding joints. All seams be ideally polished.</p>	3	 
Fermentation tank -1000L	<p>Effective volume: 1000L Dimensions: $\phi 1260 \times 2700$mm. Cooling way: Glycol cooling jacket. Inner tank(SUS304) thickness: 3.0mm. Outer tank(SUS304) thickness: 2.0mm. Insulation: Polyurethane-thickness: 100mm. Side shadowless manhole: 280x380mm. Aseptic sampling valve.</p>	2	

With hops adding port.
 With racking arm.
 With bunging device.
 Conical bottom 60°.
With carbonation stone
 Design pressure: 2Bar, test pressure: 2.5Bar.
 Spray ball: SUS304.
 With one spare using sealing
 Welding process: 100% TIG welding joints.
 All seams be ideally polished.

5T Mobile
 pump-with VFD
 5T
 Power:1.5kw
 It's mobile pump
 With Denmark Danfoss VFD to control the speed of pump.

1



100L Hop
 Rocket-with
 pump
 Hop rocket-100L
 With trolley, with pump,
 with control box, include Danfoss VFD control speed
 The hop gun can remove.

1



Kegs
 Volume: **1/6BBL(19.8L)**
 Diameter: 233mm
 Keg height:590.5mm
 Weight:5.71Kg
 Thickness:1.2/1.8mm
 Material: SUS304
S-type spear, Brand is MICRO MATIC
 Not Stackable type

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Accessories

Solenoid valve
 Working voltage: DC24V.
 Inlet and outlet pipe diameter: DN20.

Assort



Safety valve	Material: SUS304 0.3Mpa	Assort	
Bunging device	Range: 0.2~2.2Bar Accuracy error: 0.05Bar	Assort	
Pressure gauge	Range: 0~0.6MPa	Assort	
Sampling valve	Material: SUS304	Assort	
Temperature sensor	Range: -50-150°C Accuracy: 0.1°C.	Assort	
Spray ball	Material: SUS304	Assort	
Carbonation stone	With small ball valve	Assort	
Insulation pipeline	Material: Rubber and plastic cotton Thickness: 25mm	Assort	
Pipeline & Valves	Health food grade pipeline; Butterfly valve, no dead corner, sterilization more comprehensive.	Assort	
4. Cleaning System(with SUS304 control box)			
Disinfection tank	Effective volume: 50L Material: SUS304 Thickness: 2.5mm.	1	
Alkali tank	Effective volume: 50L		

	<p>Material: SUS304 Thickness: 2.5mm. Electric heating: 3KW. Add LMC100 for prevent dry heating</p>	
Cleaning Pump	<p>Flow: 3m³/h; Life: 18m. Rotating speed: 2900r/min Stainless steel centrifugal pump. Power: 0.75KW.</p>	<p>1 </p>
Controller	<p>Stainless steel 304. Control heating and pump start/stop.</p>	<p>1</p>
Accessories		
Pipeline & valves	<p>06Cr19Ni10 Sanitary grade</p>	<p>Assort</p>
5. Steam Boiler		
Steam boiler	<p>Electric heating power: 36kW Rated evaporation: 52kg/h Rating current: 56.5A Retate work pressure: 0.7MPa Saturated steam temperature: 170 °C Water pump power: 0.55kW Weight: 157kg; Size : 920*550*1360mm</p>	<p>1 </p>
6. Controlling System-Brewhouse PID control panel		
PID control panel	<p>Material:Carbon steel. Put it on the working platform Control the PT100 of HLT All low-voltage apparatus use Schneider brand. Display temperature. Rake and wort pump have Danfoss frequency conversion control. Control wort pump start/stop. Manual/Automatic control temperature.</p>	<p>1 </p>

Terms and Conditions

Production Standard:

1. The inside of tank is pickled and passivated.
2. The entire tank of FV Cooling jacket/steam jacket will be tested by gas, keeping 6 hours with 2.5Bar pressure.
3. The above pictures are for reference only, and the actual product is subject to the drawings signed by the buyer and seller.

Installation and debugging conditions:

1. Before technician arrives at the buyer's location, the buyer should connect the Tap water, Steam supply, Power supply and ready the building for installation.
2. Steam pipe between the steam generator and brewhouse/HLT is not provided from seller, the buyer should

customize it locally.

3. Cables are not provided from seller, the buyer should source these locally.
4. Before delivery, the buyer or a designated third party can visit the factory in China to inspect the equipment quality.
5. The seller will be responsible for the visa cost for the Chinese engineer; single entry visa; The buyer is responsible for all the engineer's round-trip tickets, accommodation (food, hotel, transportation) during the installation period.
6. The installation service period will last approximately 25 days, including the assembly of the brewery and training the buyers operators. The buyer will be charged USD150 per day for each engineer's on-site service.

Service & Guarantee:

1. Provide beer production technology and brewing formula, equipment design, installation and debugging, and personnel training service;

2. Providing CAD layout drawing within 5 working days after obtaining buyer's building plan.

3. The general quality assurance period is five (5) years ("warranty period") and applies to;

-Brewhouse stainless steel products (steam heating or electric heating);

-Tank products;

-Jacket welding;

For all direct fire (gas) Brewhouses, the warranty period for the vessels are three (3) years.

Other components not manufactured by NDL Craft will be covered as an extension of the original equipment manufacturers (OEM) warranty. For electrical components and steel components, the warranty period is one year.

Wear parts, such as glass products, shaft seals, mechanical seals, gasket, and other plastic parts for example, are not covered by the warranty (except for damage when received).

4. The seller is responsible for the damage of the machinery in the warranty period except for man-made damage caused by the buyer.

Compensation

Compensation for breach of contract; the amount of compensation shall not exceed the contract price of the commodity. If the equipment needs to be repaired by the buyer, the maintenance fee should be confirmed by seller in advance. Once confirmed, the seller will pay the compensation according to the invoice amount. If not, the seller will not pay the expenses.

Force Majeure

1. Force majeure means an event beyond the control of the Seller or Buyer (Party), as a result of which either Party is unable to perform its obligations under this Contract.

2. An event of Force Majeure includes, but is not limited to, war, riots, fire, flood, hurricane, typhoon, earthquake, lightning or other acts of nature, explosion, labor disputes, strikes, lockouts, slowdowns, prolonged shortage of energy supplies, and acts of state or governmental action or public agency, such as tariffs anti-dumping duty, anti-subsidy duty, or tax rate change or surcharges on raw or finished goods, from performing its respective obligations under this contract.

3. The seller shall not be liable for any consequences due to force majeure events. The party affected by the event should notify the other party within a reasonable time.