



Nano System Product Guide

CONTENTS:

- Page 1: Arrival and Unboxing
- Page 2: Control Panel
- Page 3: Panel Mounting
- Page 4: Hot Liquor Tank
- Page 5: Mash Tun
- Page 6: Boil Kettle
- Page 7: Steam Condenser
- Page 8: Wort Pumps
- Page 9: Wort Chiller
- Page 10: Hoses
- Page 11: Cart Assembly
- Page 12: Final Assembly

PRODUCT GUIDE

UNBOXING

(2 PEOPLE RECOMMENDED)

- Your Nano system will arrive crated on one skid
- Remove plastic banding from box exterior (knife needed)
- Remove top cover, set aside or cut box vertically in one spot
- Remove banding on kettles (knife needed)
- Remove boxes from inside of kettles
- Remove kettles from cart one at a time
- Remove bands or bolts from cart
- Remove cart from skid
- Turn cart sideways to install casters
- Install casters
- Set cart on floor
- Place kettles back on cart





PRODUCT GUIDE

CONTROL PANEL

Autotune your HLT PID

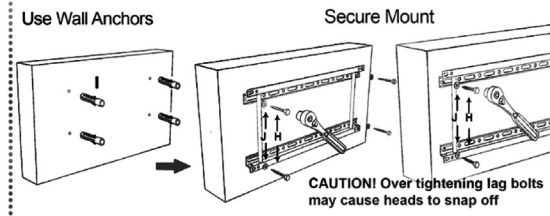
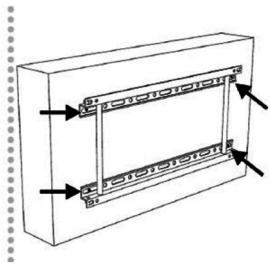
Before you get started, make sure that you autotune your HLT PID controller. This insures efficient use of the heating element.

To autotune, bring your kettle to approximately 150 degrees. Once close to this temperature follow the below steps:

- Press the  button on your HLT PID until you see 'At'
- Set 'At' to 'on' and press the  button again
- The autotune process typically takes about 30-60 minutes
- Once the light under 'AT' turns off the autotune step is done
- This step only needs to be done one time



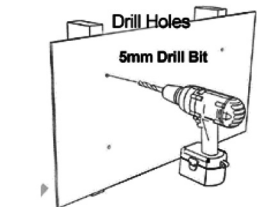
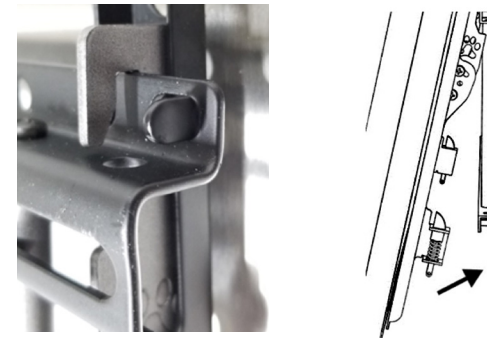
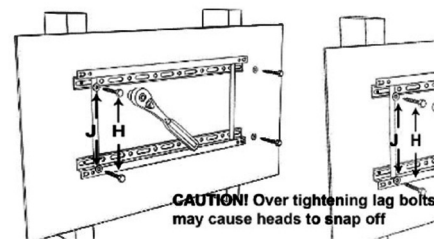
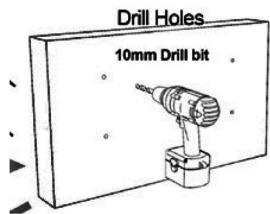
PANEL MOUNTING



1 Use the wall bracket to mark where your mounting holes will be located. For a stud wall, locate your holes so that you will be drilling into a stud.

3a For concrete walls, tap in four anchors. Then position the back rail and secure using the four lag screws.

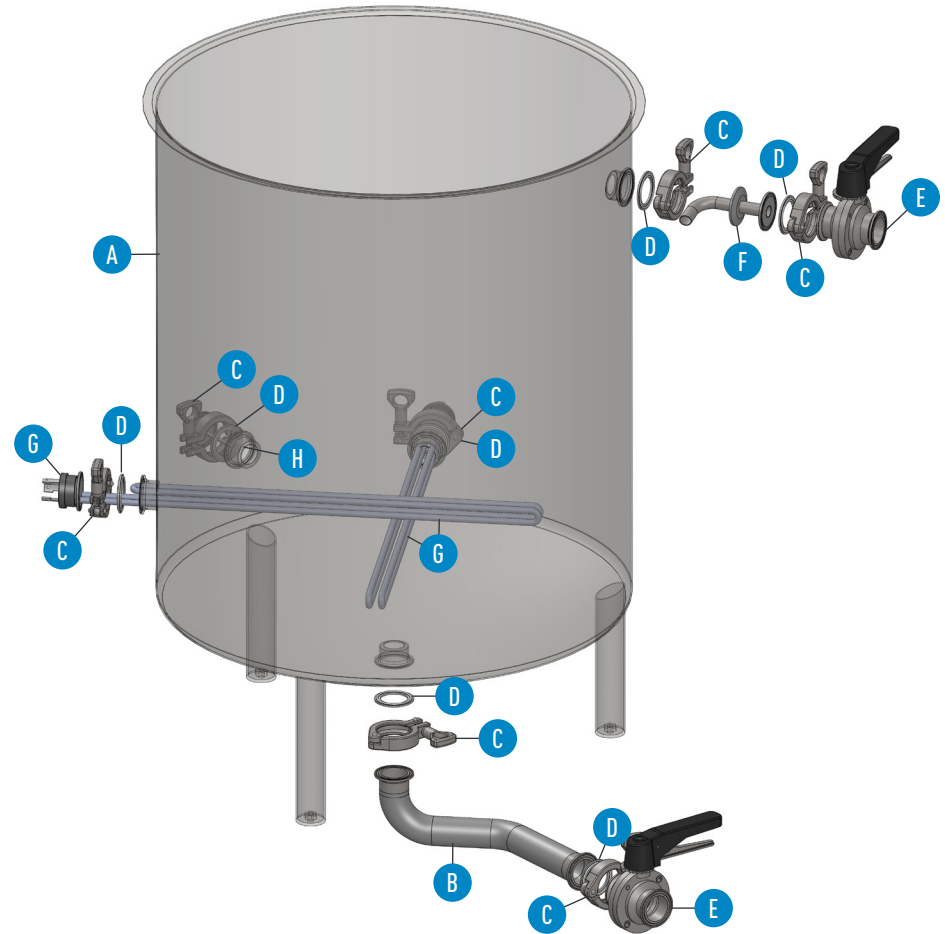
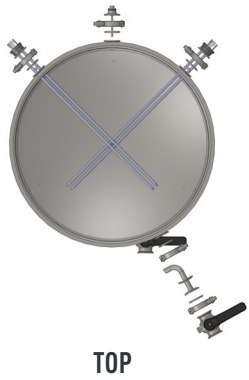
4 Secure the two wall brackets to the back of the panel using the four 1/2" nuts that are provided. The slotted portion of the wall bracket should be positioned at the bottom of the panel.



3b For stud walls, position the back rail and secure using the four lag screws.

5 Hang the panel on the top rail of the wall mount. Ensure that both wall brackets hang inside of the wall mount stops that prevent the panel from sliding off of the end of the wall mount. Push the bottom of the panel against the mounting bracket until both sides lock in.

HOT LIQUOR TANK



ITEM	DESCRIPTION	QTY
A	Hot Liquor Tank	1
B	Hot Liquor Tank Bottom Drain Piping	1
C	1.5" TC Clamp	7
D	1.5" TC Gasket	7
E	1.5" TC Butterfly Valve	2
F	TC Side Pickup	1
G	6000w Element	2
H	TC Temperature Probe	1
I	Power Cord - 15' (Not Pictured)	2

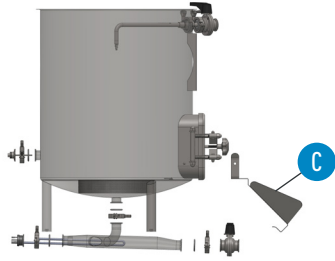
PRO TIPS:

- Make sure all element power cords are fully attached and twisted into the lock position. If they are not locked resistance is increased which will cause the cord end to melt.
- Avoid spraying water directly on any electrical connections

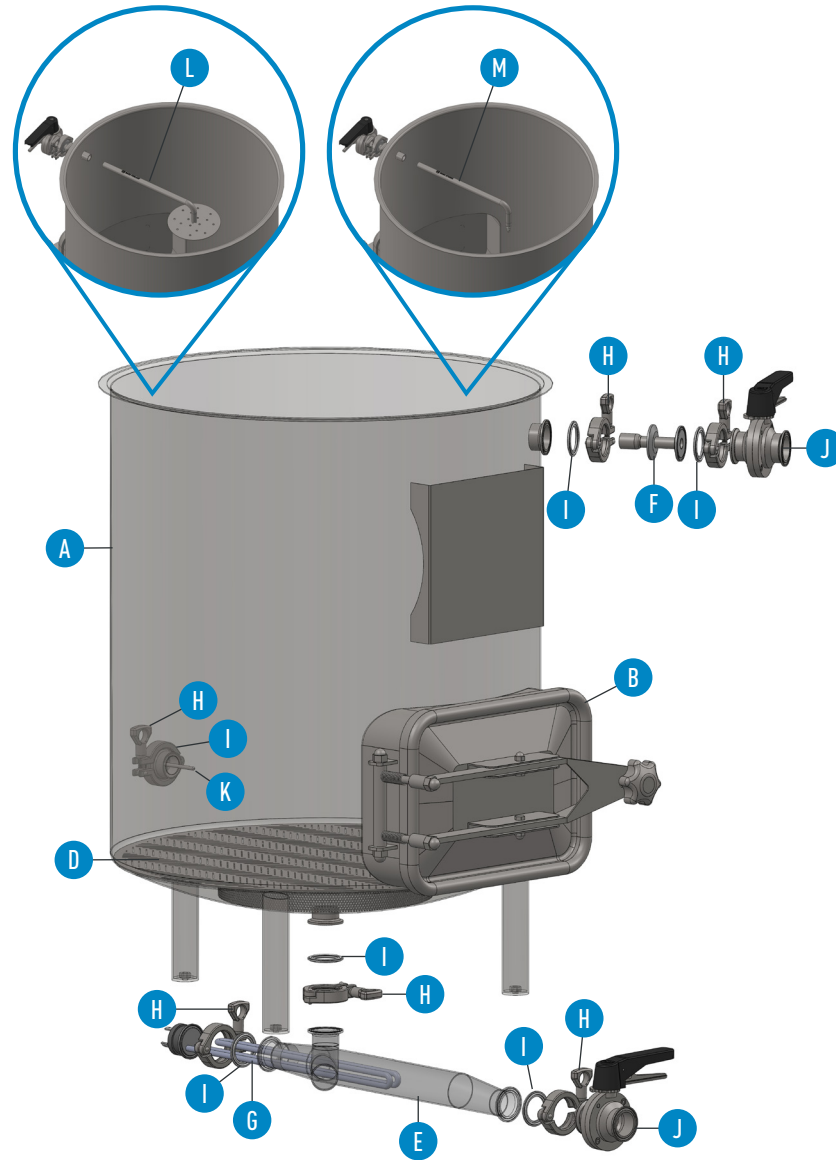
MASH TUN



TOP



SIDE

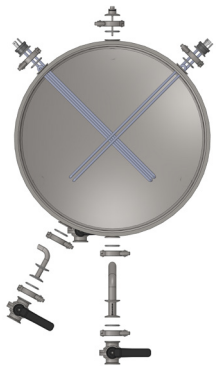


ITEM	DESCRIPTION	QTY
A	Mash Tun Tank	1
B	Manway Door	1
C	Grain chute	1
D	False Bottom	1
E	Mash Tun Bottom Piping	1
F	Mash Tun TC Quick Connect Fitting	1
G	3000w Element	1
H	1.5" TC Clamp	6
I	1.5" TC Gasket	6
J	1.5" TC Butterfly Valve	2
K	1.5" TC Probe	1
L	Vorlauf Arm	1
M	Sparge Arm	1
N	Power Cord - 10' (Not Pictured)	1

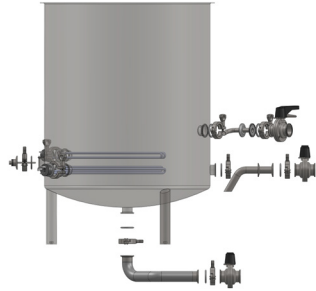
PRO TIPS:

- Make sure all element power cords are fully attached and twisted into the lock position. If they are not locked resistance is increased which will cause the cord end to melt.
- Avoid spraying water directly on any electrical connections
- Wet o-ring and tube before installing sparge and vorlauf arm

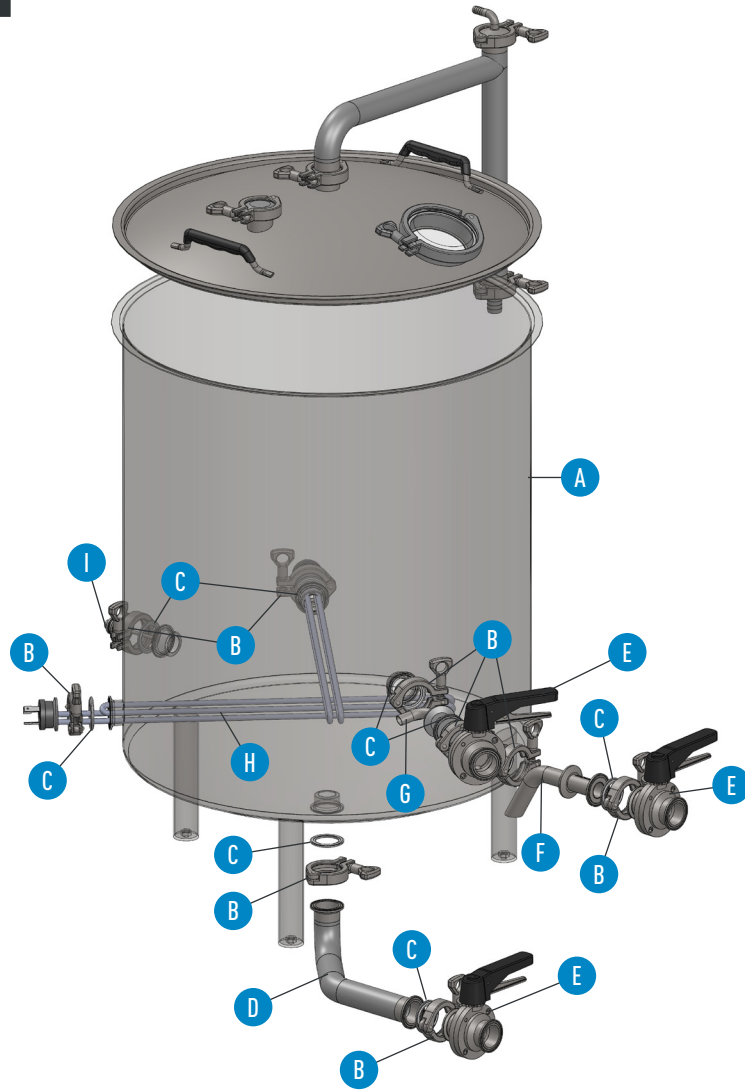
BOIL KETTLE



TOP



SIDE



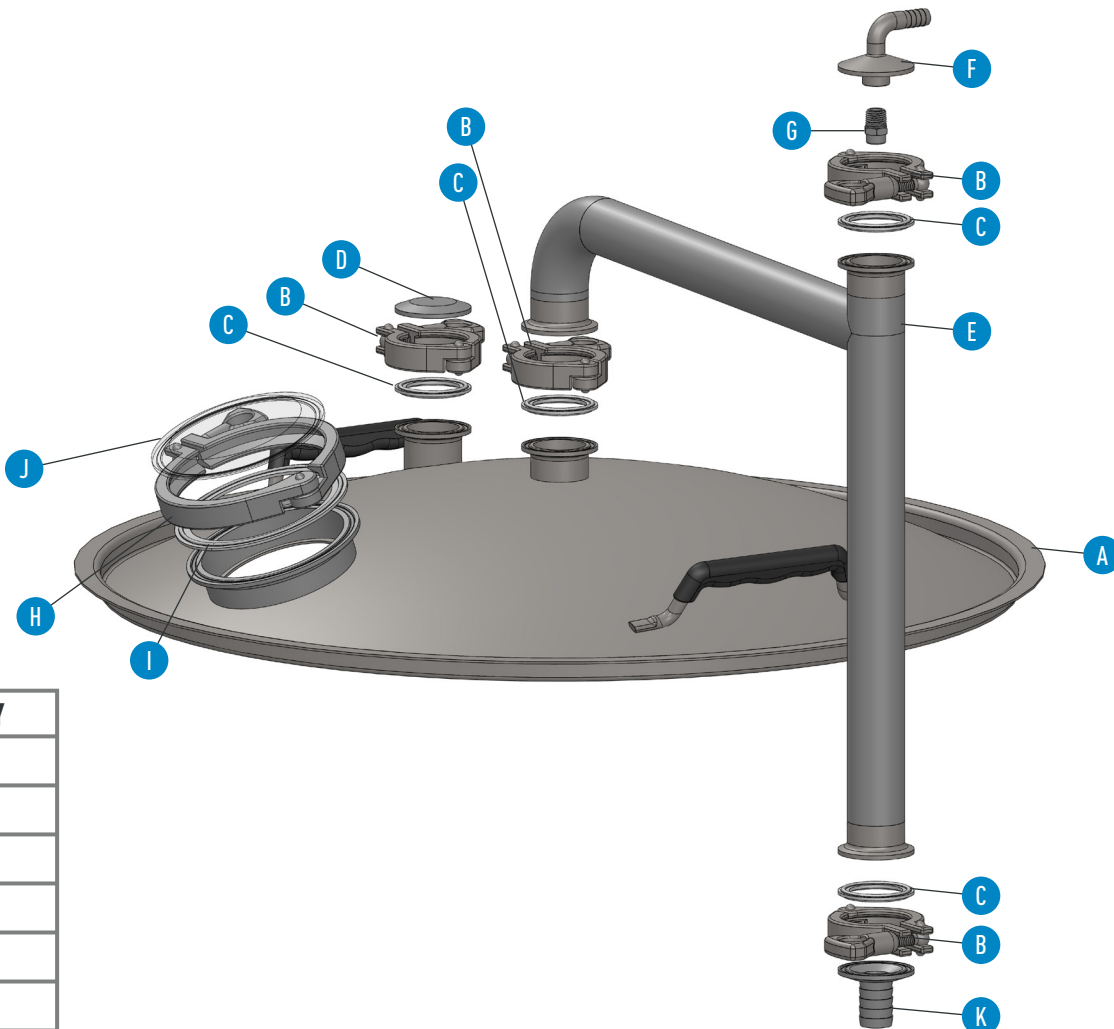
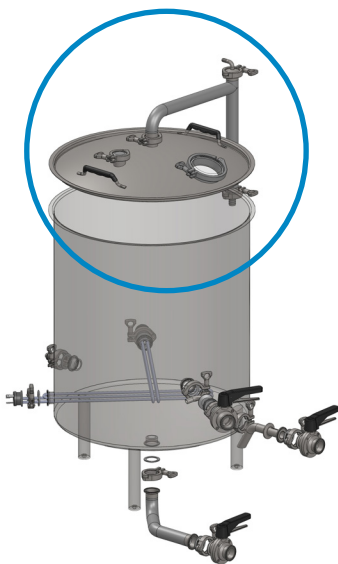
ITEM	DESCRIPTION	QTY
A	Boil Kettle Tank	1
B	1.5" TC Clamp	9
C	1.5" TC Gasket	9
D	Boil Kettle Bottom Piping	1
E	1.5" TC Butterfly Valve	3
F	1" Boil Kettle Racking Arm	1
G	TC Side Pickup	1
H	6000w Element	2
I	1.5" TC Probe	1
J	Power Cord - 6' (Not Pictured)	2

PRO TIPS:

- Make sure all element power cords are fully attached and twisted into the lock position. If they are not locked resistance is increased which will cause the cord end to melt.
- Avoid spraying water directly on any electrical connections
- To operate the rotating racking arm loosen then first clamp that holds the racking arm to the kettle. Make sure that the racking arm to valve clamp is tight. Using the butterfly valve for leverage rotate the racking arm into the desired position.

STEAM CONDENSER

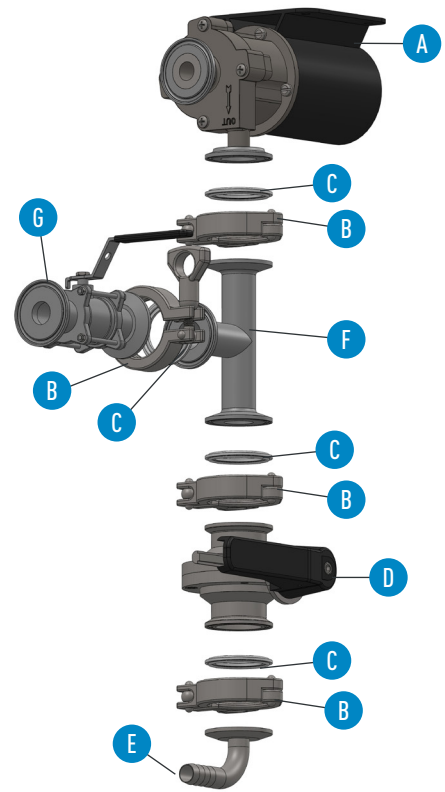
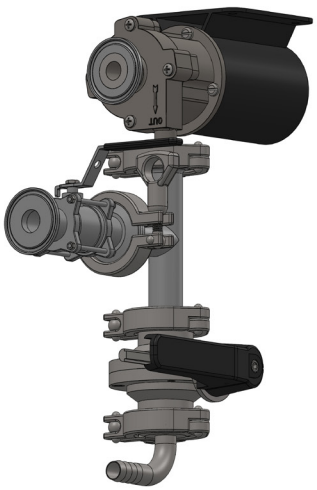
PRODUCT GUIDE



ITEM	DESCRIPTION	QTY
A	Condenser Lid	1
B	1.5" TC Clamp	4
C	1.5" TC Gasket	4
D	1.5" TC Cap	1
E	Condenser Piping	1
F	90° Barb	1
G	Condenser Mister	1
H	4" TC Clamp	1
I	4" TC Gasket	1
J	4" TC Clear Cap	1
K	1.5" TC Barb - 3/4"	1

WORT PUMPS

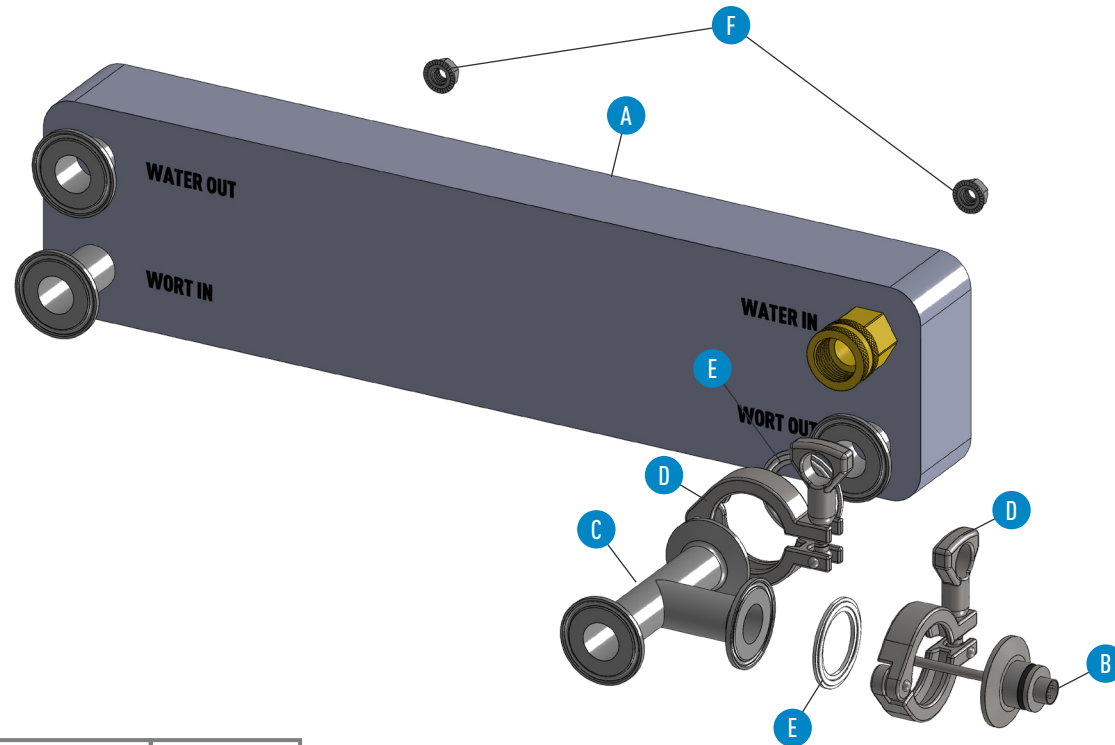
ITEM	DESCRIPTION	QTY
A	Pump	2
B	1.5" TC Clamp	8
C	1.5" TC Gasket	8
D	1.5" TC Butterfly Valve	2
E	1.5" TC x 5/8" Barb (90°)	2
F	1" TC Tee	2
G	1.5" TC 3pc Valve	2
H	Mounting Nuts (Not Pictured)	8



PRO TIPS:

- One pump will need to be rotated 180°. To rotate the pump head, remove the 4 screws, rotate the head 180° and then tighten the screws. This will have both pump heads with the 'Out' at the bottom.
- Assemble the outlet valve and air bleed manifold completely before attaching to the pump head. Since the cross members of the cart are tight to the pump this will ease with installation.

WORT CHILLER

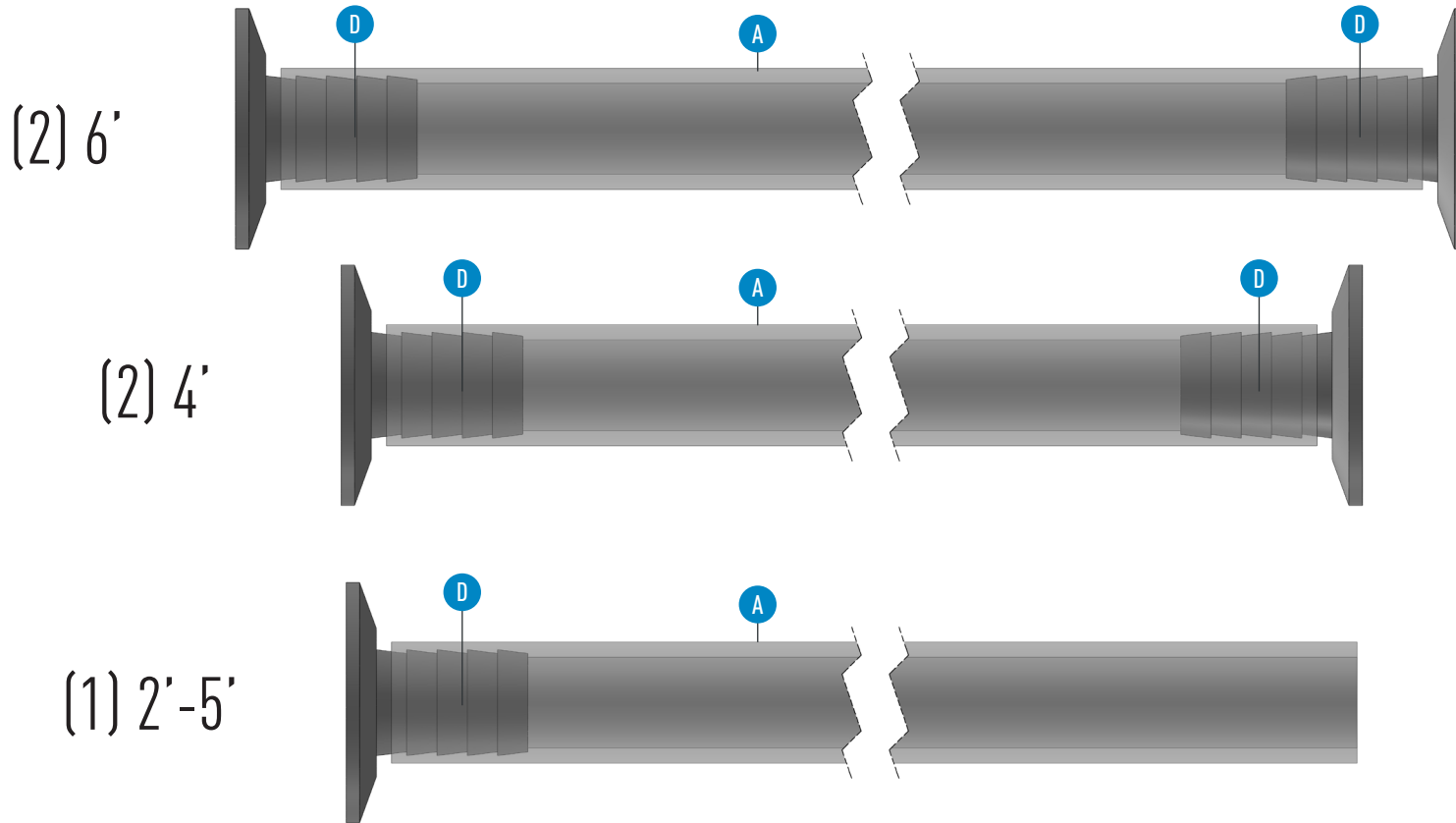


ITEM	DESCRIPTION	QTY
A	Nano Plate Chiller	1
B	1.5" TC Probe	1
C	1" TC Tee	1
D	1.5" TC Clamp	2
E	1.5" TC Gasket	2
F	Mounting Nuts	2

PRO TIP:

Be sure to properly attach hoses to the correct inlet/outlet port. The heat exchanger is a counterflow style so the direction of flow matters.

HOSES

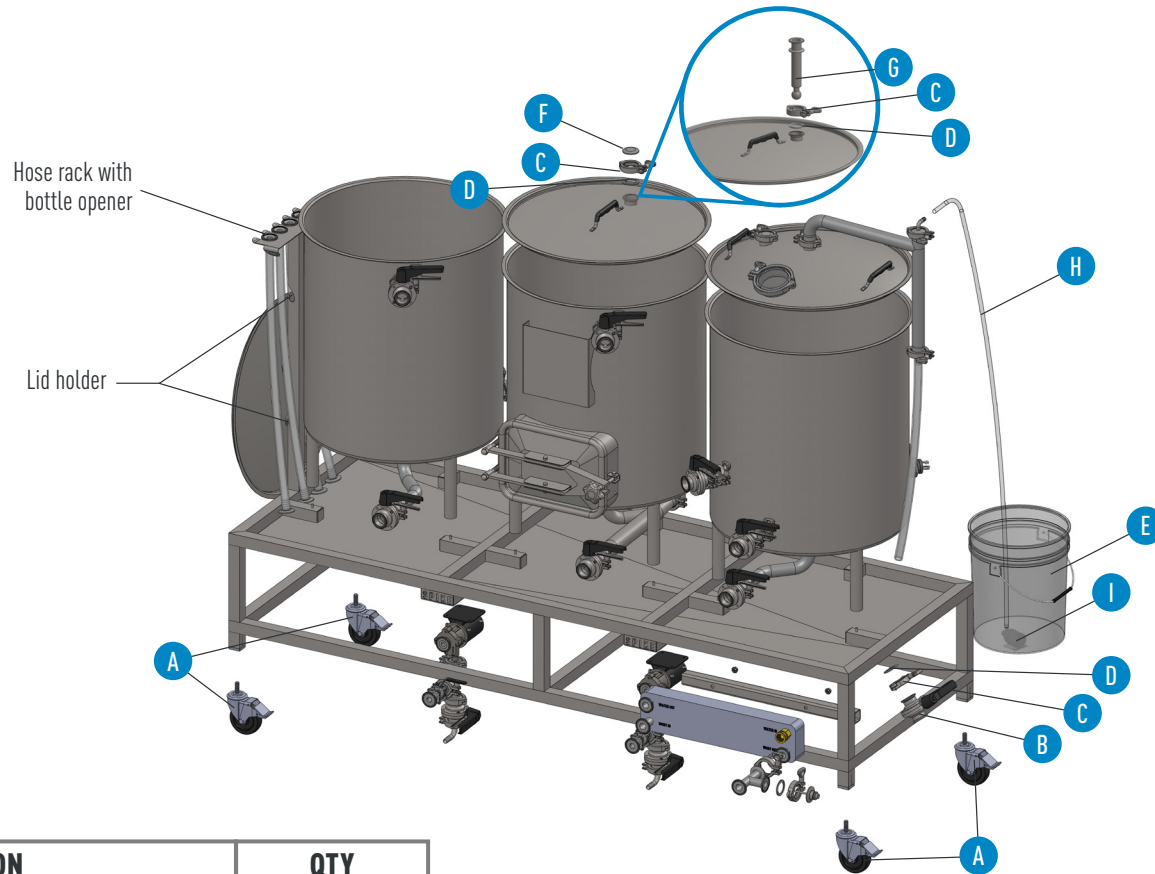


ITEM	DESCRIPTION	QTY
A	.75" Silicone Tubing	25
B	1.5" TC Clamp (Used to connect hoses to 1.5" TC ports)	8
C	1.5" TC Gasket (Used to connect hoses to 1.5" TC ports)	8
D	1.5" TC Barb - .75"	8

PRO TIPS:

- We use oversized barbs so the silicone tubing will be securely attached without a need for hose clamps. Also, this oversized barb creates a full port which doesn't restrict flow
- Depending on the length you cut the hose necessary for the condenser drain, you may have 1' - 3' additional hose.

CART ASSEMBLY



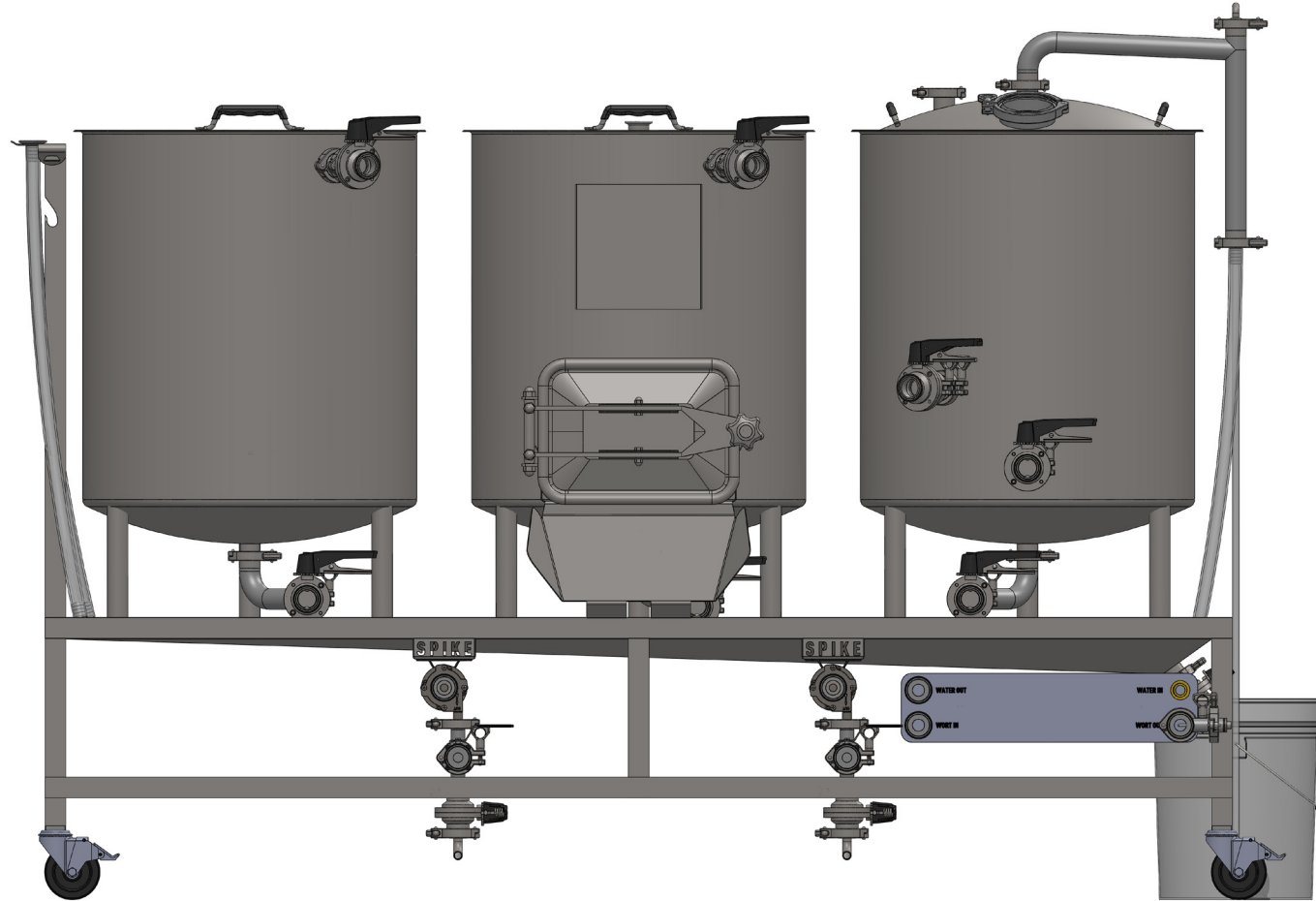
ITEM	DESCRIPTION	QTY
A	4" Casters	4
B	1.5" Butterfly Valve	1
C	1.5" Clamp	2
D	1.5" TC Gasket	2
E	Condenser Reservoir	PROVIDED BY BREWER
F	1.5" TC Cap	1
G	CIP Ball	1

ITEM	DESCRIPTION	QTY
H	3/8" Vinyl Tubing	1
I	Steam Condenser Pump	1

PRO TIP:

Always tightly screw the casters into the carts caster mounts. This will ensure the caster stem does not get damaged. To tighten the caster to the cart, lock the brake and then turn clockwise until the caster is tight.

FINAL ASSEMBLY



PRODUCT GUIDE