



C A T A L Y S T

IntelliTank

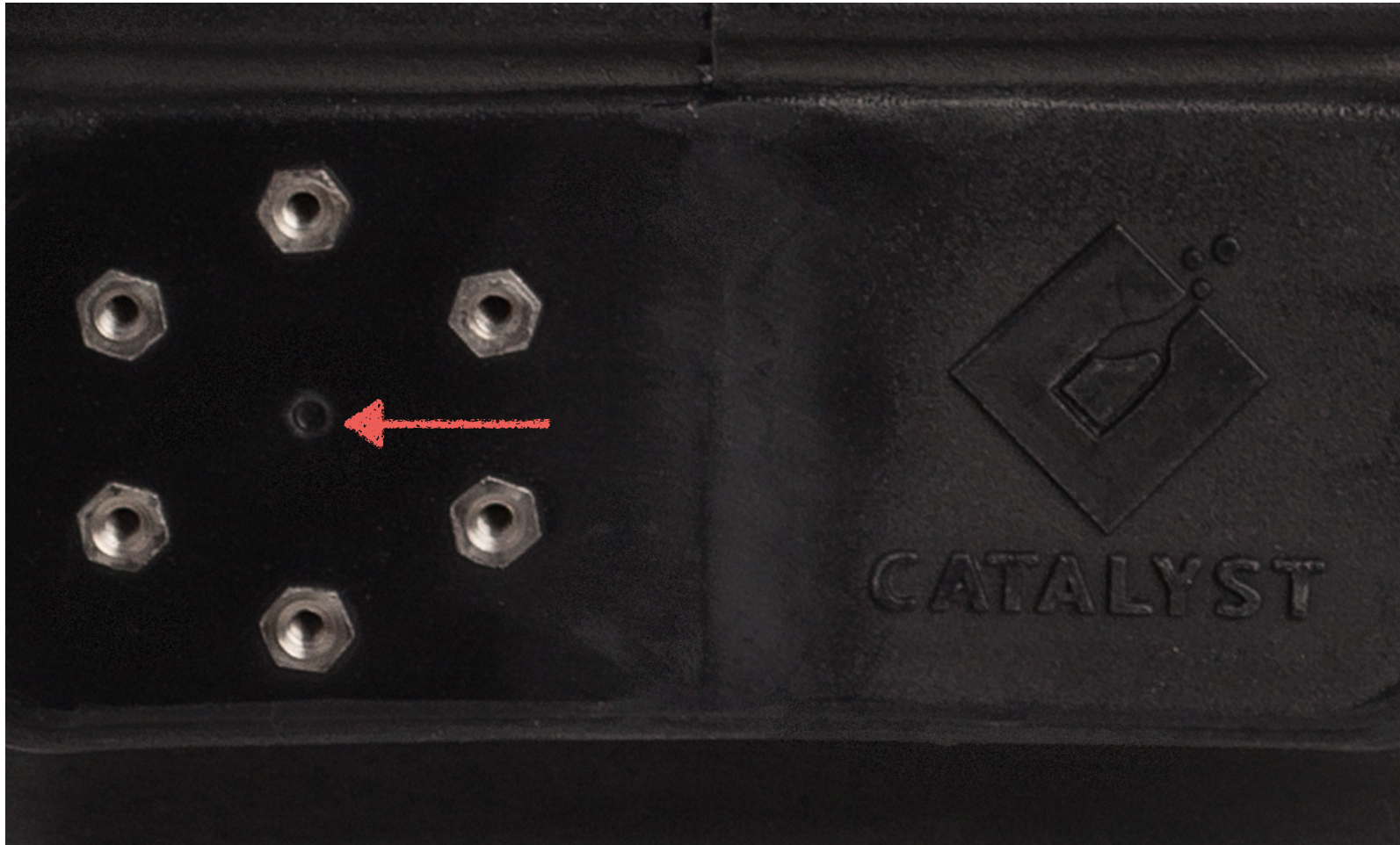
Topping Tank Kit

Caution! Gas cylinders are under extremely high pressure and must have a proper double gauge regulator attached. It is imperative that the cylinder be properly set up in accordance with manufacturer's instructions. Failure to do so may result in severe injury or death.

Assembly Instructions

1. Using an allen wrench remove the standard spout that comes attached to the basic model of the IntelliTank





2. Drill the bottom port hole

Using the centering point as a guide, drill a 1-3/8" hole in the boss at the bottom of the tank. A hole saw, paddle bit or Forstner bit work well to drill this hole.



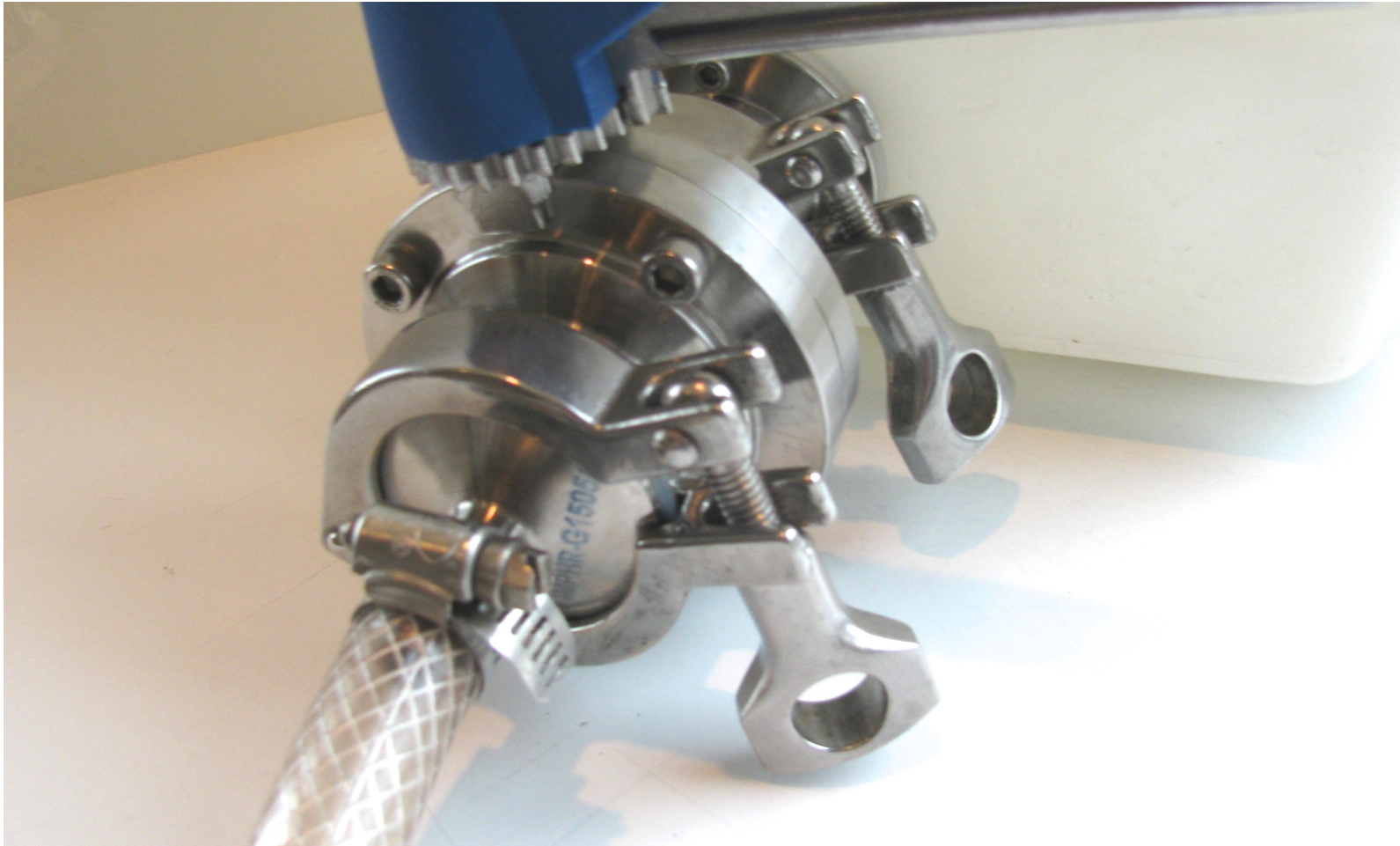
3. Install the Racking Port

Now install the racking port (the standard spout removed from the top of the tank) using the six screws and washers and gasket. Tighten securely—the gasket should budge slightly as the screws are tightened.

4. Install the Butterfly Valve

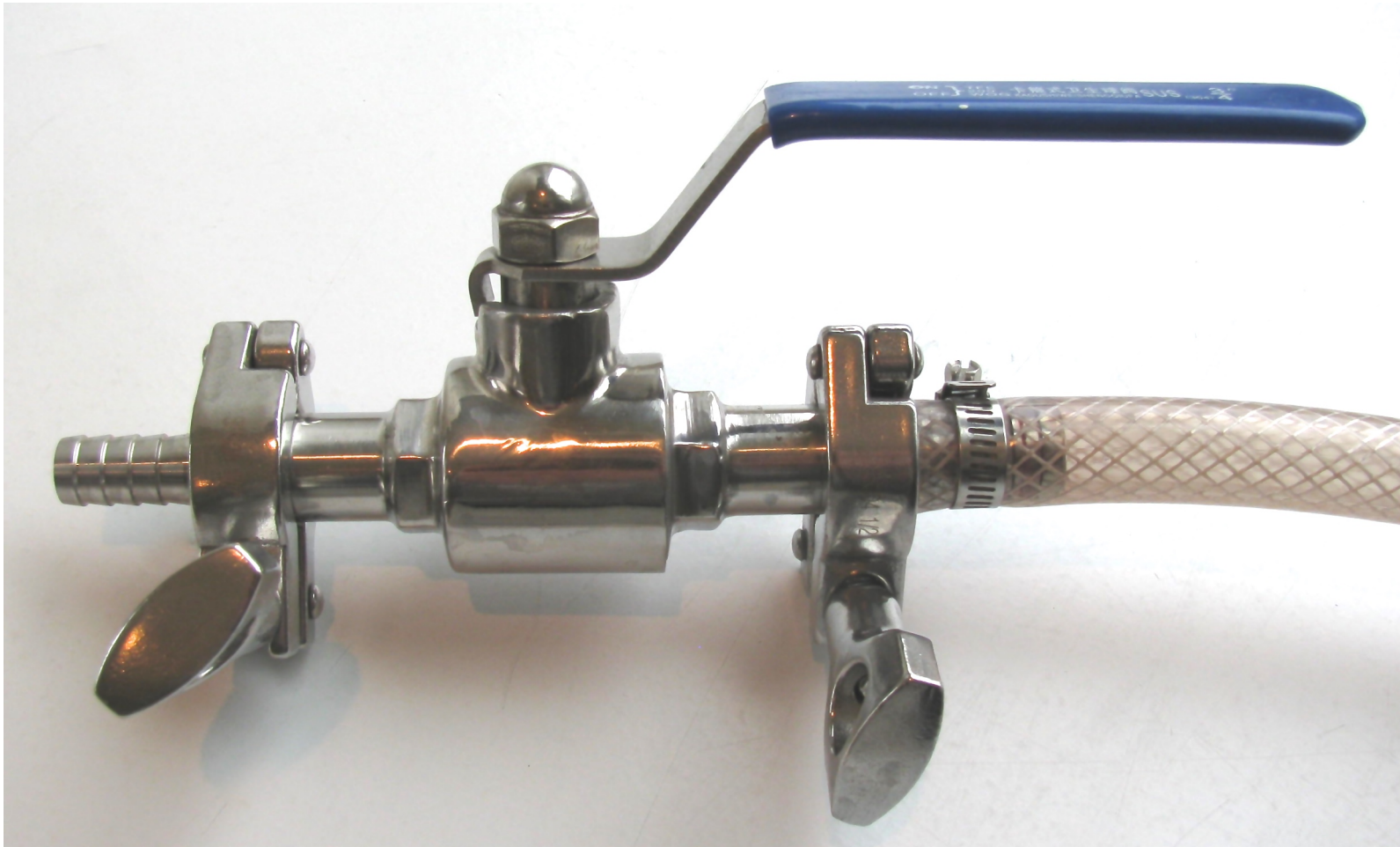
- Identify the exit side of the valve as having a “sawtooth” gear facing away from the tank
- Place a 1-1/2” tri-clover gasket on the inlet side of the tri-clover flange of the valve and place it against the Racking Port.
- Connect the valve to the Racking port with a Tri-clamp. This is easier to install if the tank is laying on its back with the racking port up.





5. Connect Tubing to Valve

Connect the 1-1/2" tri-clover by 3/4" hose barb fitting to the Butterfly Valve using a tri-clover gasket and tri-clamp. Connect your 3/4" hose to this hose adaptor with a hose clamp (not included).



6. Assemble the Ball Valve nozzle

Connect a 3/4" tri-clover by 3/4" hose barb fitting to your 3/4" hose with a hose clamp. Attach this fitting to the Ball Valve with a 3/4" Tri-clamp and gasket. We provide a 3/4" tri-clover by 1/2" hose barb fitting to serve as a nozzle for the dispensing end of the hose. Connect this to the opposite side of the ball valve with a 3/4" tri-clamp and gasket.



Racking Cane Option

To top off wine barrels, especially when they are stacked on racks in the barrel room, replacing the 3/4" tri-clover by 1/2" hose barb nozzle with our racking cane makes reaching the bung holes much easier. The racking canes are available at <http://www.catalyst-manufacturing.com/collections/racking-canes/products/stainless-steel-racking-cane>

TOP OF TANK ASSEMBLY

Inert Gas Connection

7. Install the Ported Spout

Using the six included screws, washers and gasket, install the Ported Spout to the top of your IntelliTank. Orient the side port in the preferred direction of your choosing.



8. Adapting the Ported Spout for the Gas Cylinder

- Install a 1-1/2" Tri-clover End Cap on the top of the Ported Spout with a tri-clamp and gasket.
- Connect a 3/4" tri-clover by 1/2" hose barb to the side port of the Ported Spout with a tri-clamp and gasket.
- Connect the inert gas tubing to the hose barb with a hose clamp (not included)



8. Displace wine with inert gas

Be sure your regulator valve (several turns counterclockwise) is off when you turn on the main valve of the gas cylinder. Slowly open the regulator valve (clockwise) and bring up the pressure to about 2 psi. Check all fittings for leaks by dabbing a soap and water solution on the fittings. Any bubbling or foaming will indicate the fitting is not tight. Tighten any tri-clamps that are allowing gas to escape.





9. Dispensing Topping Wine

To dispense topping wine from your newly set up IntelliTank topping tank, open the butterfly valve, then open the ball valve. Adjust the pressure of the cylinder to increase or decrease the flow. Inert gas will displace the wine, protecting it for many months to come.

Storing the IntelliTank as a Partially Emptied Topping Tank

- Turn off the gas cylinder.
- Close the Butterfly Valve tightly and remove the dispensing line to be cleaned.
- To reduce the risk of the gas cylinder leaking, remove the gas line from the ported spout and quickly install a 3/4" end cap and gasket with a 3/4" tri-clamp (not included) and tighten all tri-clamps securely.
Caution, the tank may still be under pressure, so slowly remove the tri-clover hose barb from the ported spout, allowing pressure to bleed off gradually.
- To ensure the Butterfly Valve is not accidentally opened, we recommend installing a 1-1/2" Sanitary End Cap over the exit side of the Butterfly Valve with a gasket and tri-clamp.

