

LArFCS Cryogenic System progress

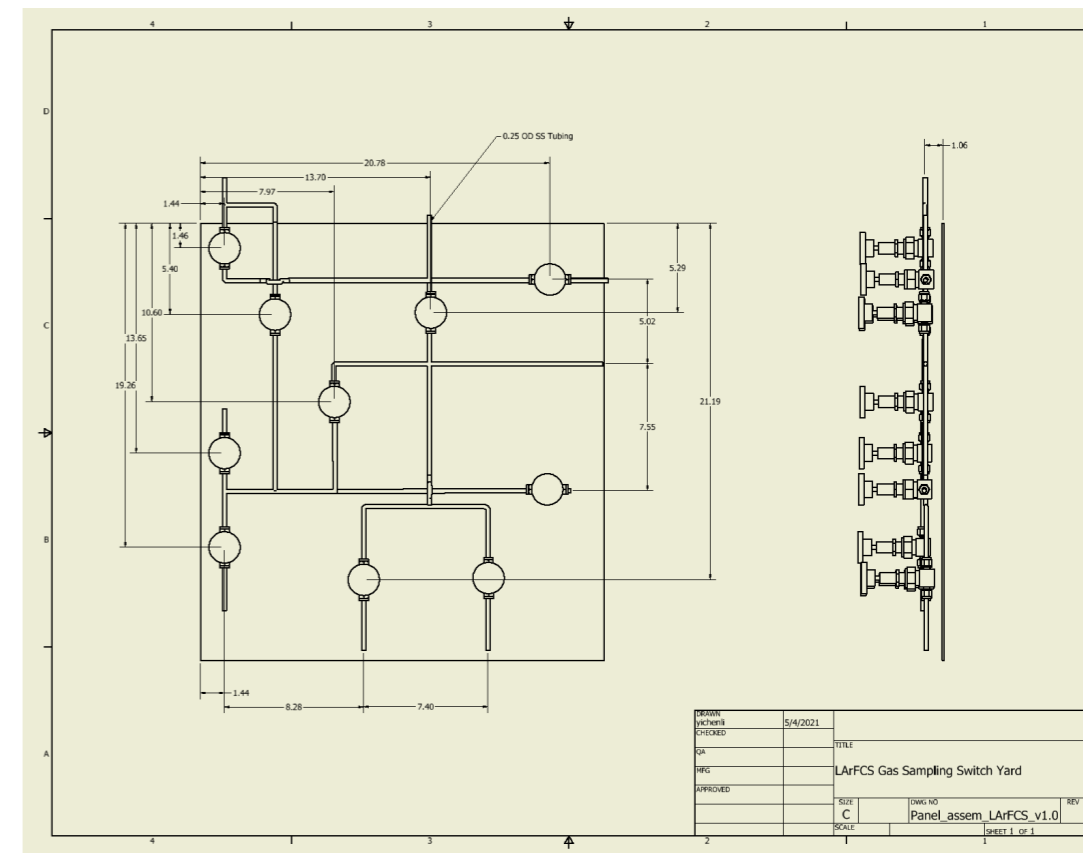
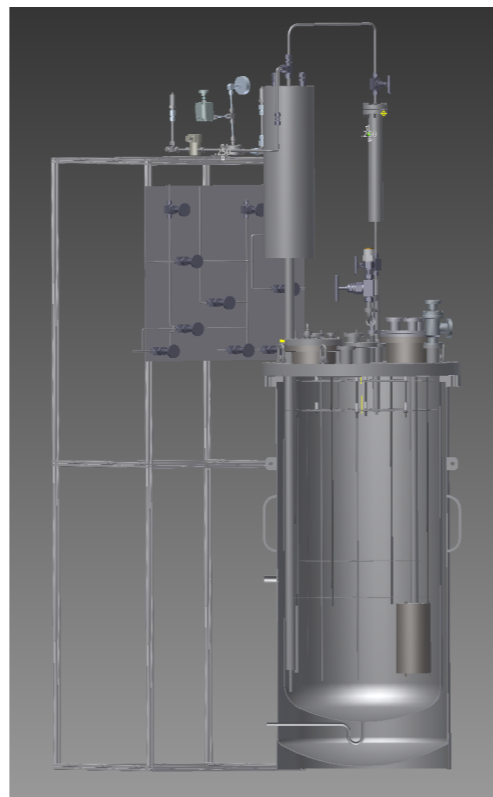
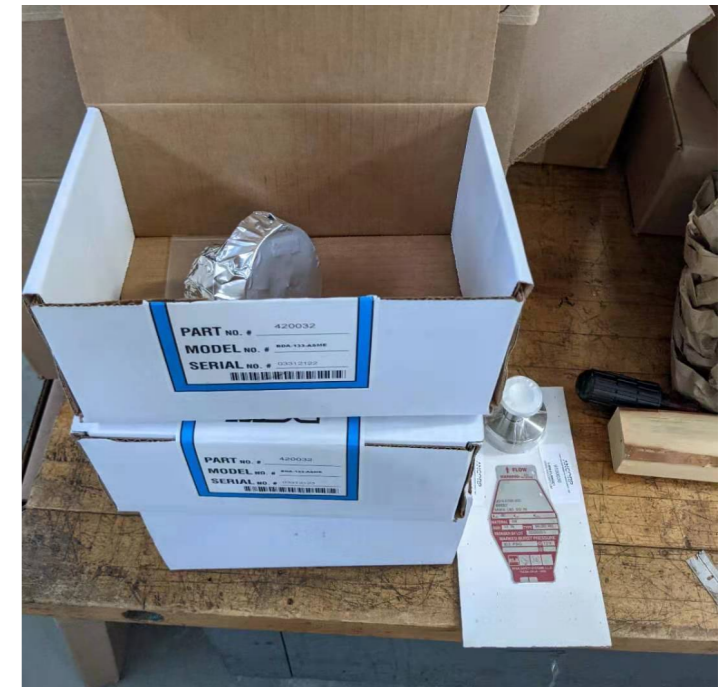
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5/4/21

LArFCS Cryogenic Operation

▸ LArFCS Cryogenic Operation

- Problems found on the heater
 - Welding point leaks
 - Cutting it off to address the problem
 - Will discuss with KHV for a solution
- Preparing for the next run with purity performance demonstration
 - Mechanical model build for the
 - Sending the drawing to KHV for quote
- Burst disk replacement received



LArFCS Purity Monitor

► PrM Implementation in LArFCS system

- Shipment to UCI
 - All the items together with the existing PrM fit in a large box
 - Wrapping the items for protection
 - Cryolite blanket will be used primarily with
 - Shipping memo in progress
- PrM refurbishment and electronics constructions
 - UCI is going to start once the parts delivered, a student will be free for the soldering and assembly
 - The construction uses the parts I purchased and UCI parts in stock
 - One essential components missing is the 1000pF capacitor with 15kV voltage rating, not in stock by any vendor, reached to the manufacturer's local distributor for sample request



6000 Gallon LN2 tank

▶ **The moving is scheduled on this Thursday 05/06**

- It will start in the morning and finish with a day by the afternoon
- F&O has put in the order for essential safety device replacement order with lead time of ~6 weeks
- Coordinating a meeting with lab safety (Achim, Mike Gaffney) to discussion the steps to bring it into operation
- Observed some field work at the tank today

