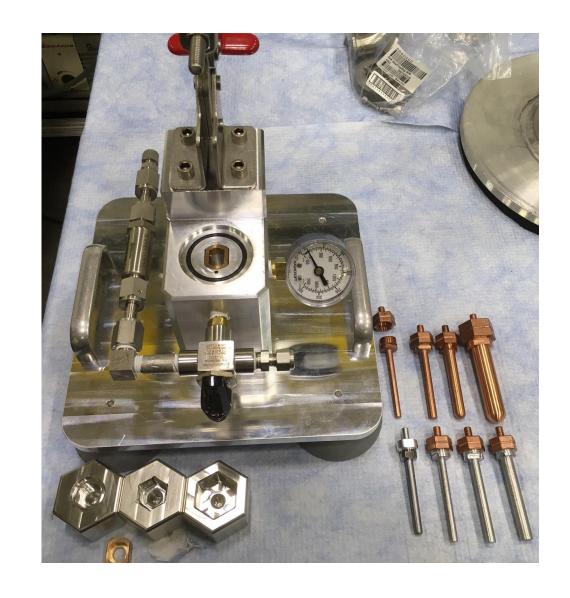


#### INITIAL SETUP

- CHOOSE YOU CAN
  - USE THE DIMENSIONS SEEN ABOVE TO SELECT THE PROPER VOLUME OF CAN FOR THE VOLUME OF SAMPLE
- CHOOSE YOURSPACER, GASKET, LID, AND TORQUE NUT TO MATCH THE CAN
- TEST FIT THE LID TO CAN, LID TO TORQUE NUT AND CAN TO SPACER
- CLEAN ALL PARTS TO THE STANDARD OF YOUR LABORATORY (THOROUGHLY)



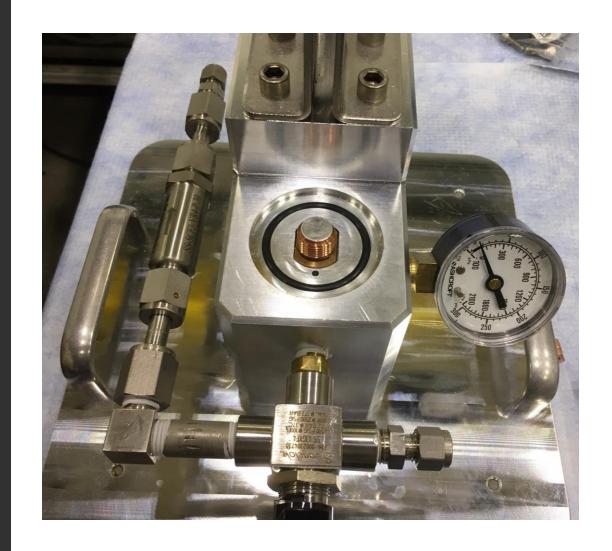
#### FILL THE CAN

- INSTALL THE APPROPRIATE SPACER IN THE PUMP/PURGE/PRESSURE BLOCK
- INSERT THE CAN INTO THE CHAMBER ALIGNING IT WITH THE SPACER
  - THE CANS FIT EASILY; DO NOT FORCE A CAN INTO A SPACER
  - THE LARGE CANS REQUIRE NO SPACER
- USE A FUNNEL TO ENSURE ALL POWDER ENTERS THE CAN
- PACK THE POWDER
- REMOVE THE FUNNEL AND CLEAN THE TOP OF THE CAN



### INSTALL THE GASKET

- ENSURE THE TOP OF THE CAN IS FREE OF POWDER OR DEBRIS
- CENTER THE APPROPRIATE GASKET ON THE TOP OF THE CAN
  - YOU MAY FIND IT EASIER TO ADD A <u>VERY</u>
     <u>SMALL</u> DAB OF VACUUM GREASE TO THE TOP
     SIDE OF THE GASKET AND ADHERING IT TO
     THE INSIDE TOP OF YOUR LID THEN SCEWING
     THE ENTIRE LID DOWN



### INSTALL THE LID

- CAREFULLY, THREAD THE LID DOWN UNTIL YOU FEEL THE LID/GASKET/CAN MAKE CONTACT
- UNSCREW THE LID 1/8 TO 1/4 TURN
  - THE LID MUST BE LOOSE ENOUGH TO ALLOW THE GAS TO ENTER THE CAN UNDER THE GASKET
  - THE LID MUST BE TIGHT ENOUGH TO ALLOW THE CLAMP TO CLOSE OVER THE TORQUE NUT
  - IT HELPS WITH TORQUE NUT INSTALLATION IF ONE OF THE POINTS OF THE LID IS UN LINE WITH YOUR VIEW



## INSTALL THE TORQUE NUT

- ENSURE THE SEALING FACE OF THE TORQUE NUT IS CLEAN AND FREE OF DEBRIS
- ENSURE THE O-RING IS CLEAN AND FREE OF DEBRIS
- PLACE THE TORQUE NUT OVER THE LID
- CLOSE THE CLAMP
  - IF THE CLAMP WILL NOT CAM DOWN, DO NOT FORCE IT – IT IS POSSIBLE THE CAN IS UNSCREWED TOO FAR OR SOMETHING IS MISALIGNED



## PUMP THE SYSTEM

- TURN THE VALVE CLOCKWISE TO THE VACUUM
- WAIT 5-10 MINUTES TO ENSURE MOST OF THE AIR IS REMOVED



## PURGE THE SYSTEM

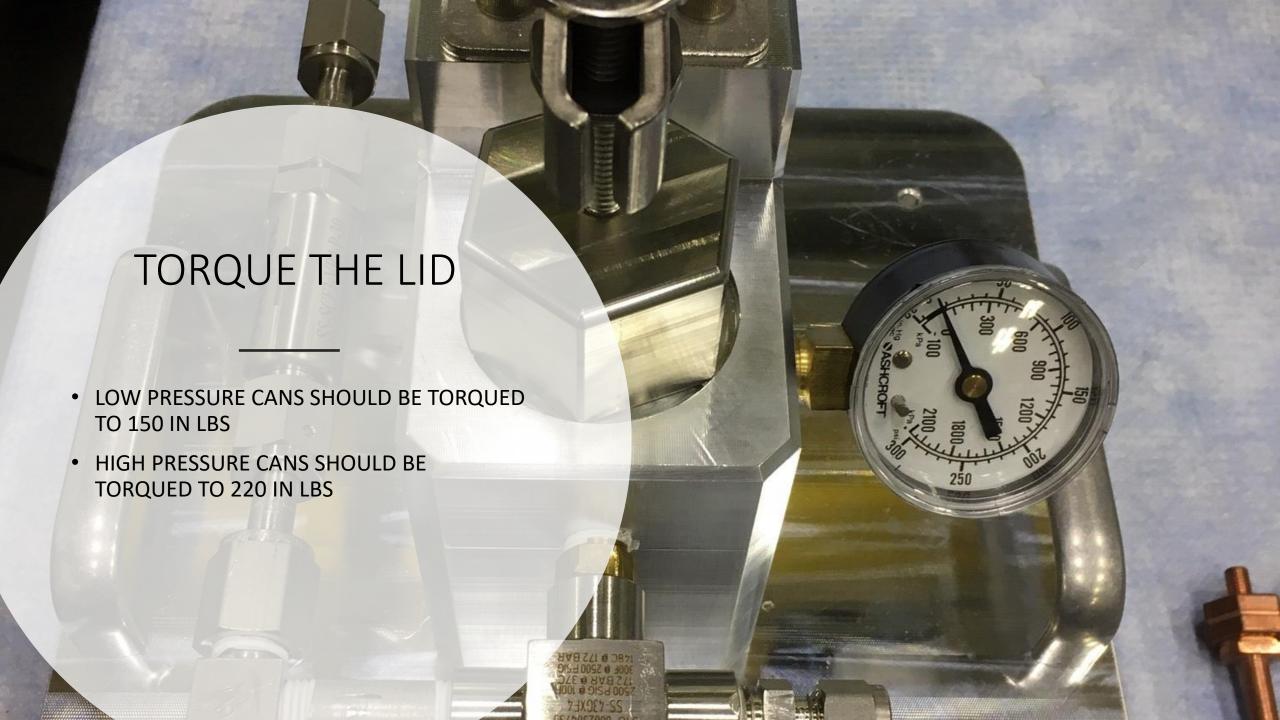
- TURN THE VALVE COUNTERCLOCKWISE TO THE HE SUPPLY
- TURN THE VALVE UNTIL IT IS POINTING DOWNWARD TO STOP THE INCREASING THE PRESSURE
  - LOW PRESSURE OPERATION SHOULD STOP AUTOMATICALLY AT <5 PSI</li>
  - HIGH PRESSURE SHOULD STOP AT <165 PSI



# PUMP/PURGE THE SYSTEM

• REPEAT THE PUMP/PURGE FOR 3 CYCLES





## RETURN CHAMBER TO 1 ATMOSPHERE

- USING THE VACUUM AND/OR HE SUPPLY, ADJUST THE PRESSURE IN THE CHAMBER TO 1 ATMOSPHERE
- DO NOT ATTEMPT TO OPEN THE CLAMP IF THE PRESSURE IS >1 ATM!



## REMOVE THE CAN

- OPEN THE CLAMP
  - IF THE CLAMP SEEMS STUCK, CHECK THAT THE PRESSURE IS AT 1 ATM
- REMOVE THE TORQUE NUT
  - IF THE CAN COMES OUT WITH THE TORQUE NUT, WIGGLING A SMALL HEX WRENCH IN ONE OF THE RELIEF HOLES SHOULD POP IT LOOSE
- REMOVE THE CAN
- LEAK CHECK

