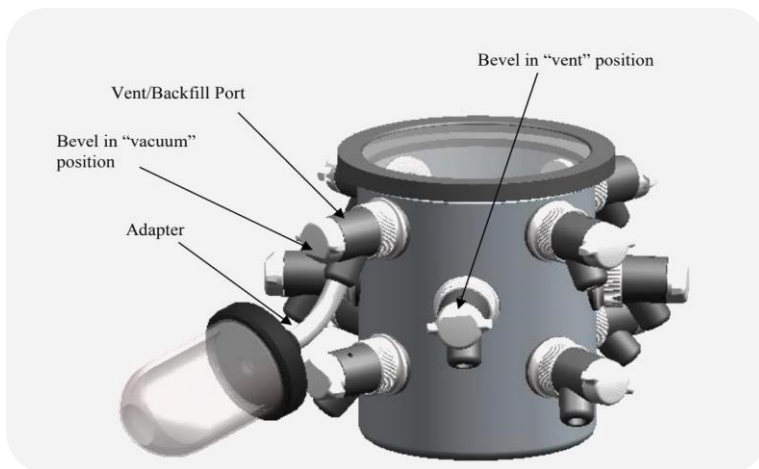
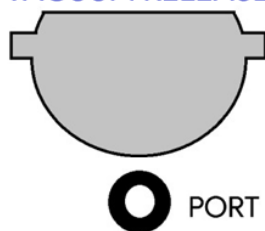


PBCF Colleagues

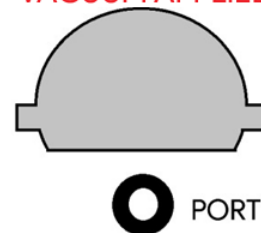
Adding/Removing Sample to Lyophilizer

1. Place pre-frozen sample in glass container and place adaptor cap on container, connect adaptor tube to a port. **Sample must be pre-frozen.**
2. Turn plastic valve knob to the vacuum position (bevel: flat part of knob positioned towards port).
3. Before adding next sample, tap touchscreen and **wait for system vacuum status to turn green.**
4. To remove sample, turn knob to vent position (bevel: flat part of knob away from port), pull adaptor and clean glass container with 70% ethanol.

VACUUM RELEASED

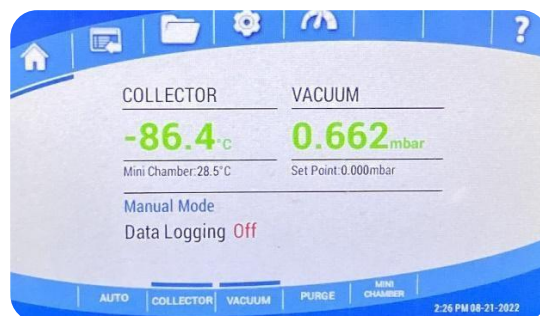


VACUUM APPLIED



When using the lyophilizer, please assure the following criteria are met:

- **No acids or organics solvents (including methanol/ethanol) in samples (with the exception of acetonitrile).**
- PBCF encourages users to use personal container, **no reservations on containers can be made.**
- **PBCF limits 2 ports, per user, per simultaneous use.** This is to allow access to other users.
 - During periods of high-use (summer), this may change to 1 container per simultaneous use.
- **PBCF does not provide updates on samples,** users are responsible for checking their sample(s).
- When attaching/detaching containers, **close valve completely until there is no residual hissing.**
- Before leaving, **check screen to assure temperature/pressure are satisfactory** (green, see below).
 - If temp/pressure are not green, it can compromise all samples.
- Once finished, wipe interior and exterior glass container with 70% ethanol, return on bench.



Questions or comments can be direct to Jerry (cc5007) or Martin (ma4160)