

## 1000 SERIES CRYOSTREAM

### REMOVING A BLOCKAGE IN THE TRANSFER LINE

#### INTRODUCTION

From time to time a blockage can form in the transfer line of the Cryostream leg particularly if the liquid nitrogen Dewar is allowed to run dry. This may be solved by using the dry air unit (or another gas source) to blow an obstruction from within the transfer line.

#### INSTRUCTIONS

1. Take the leg out of the Dewar and allow this to warm for 1-2 hours.



#### CAUTION

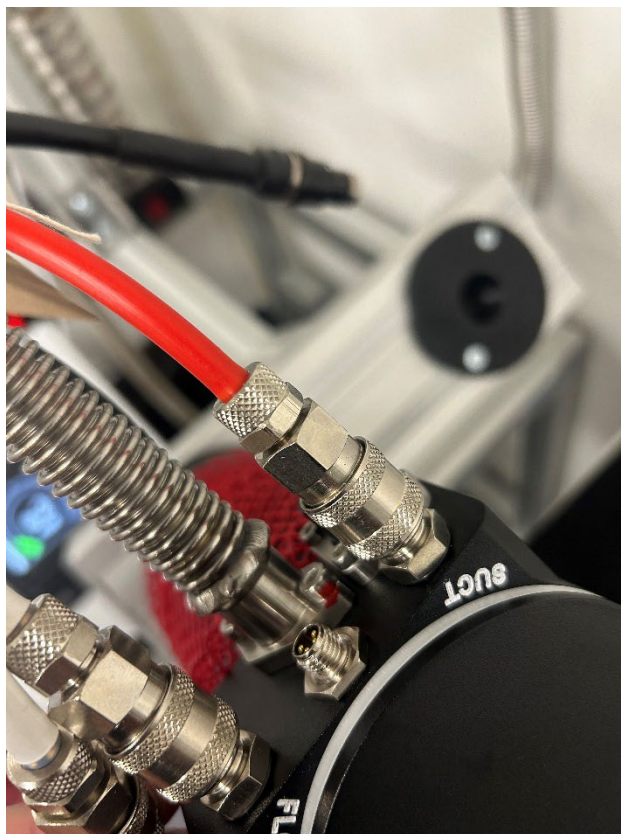
Ensure the transfer line is removed from the LN2 Dewar and has suitably warmed up before attempting this procedure. If the transfer line is still in the dewar, blowing air through it will create ice in your dewar and further block the transfer line.

2. Disconnect the SUCT tube from the SUCT connector.



Figure 1 – Removing the gas hose from the SUCT line.

3. Disconnect the red dry air shield gas hose from the quick release fitting just below the FLOW connection, then connect this to the SUCT port.



**Figure 2 – Connecting the Dry-Air Inlet**

4. Turn on the Dry Air (or external gas) supply and open up the flow to 15 L/min for 20 minutes-1 hour. This may clear the blockage.
5. Re-attach the hoses back in the correct orientation and try cooling the system as normal again.