1000 SERIES CRYOSTREAM
REMOVING A BLOCKAGE IN THE COLDHEAD

INTRODUCTION

From time to time a blockage can form in the coldhead and this process will help remove this or any moisture that remains in the coldhead heat exchanger. This process uses the dry air supply from the CS1000 but any dry gas can be used.

INSTRUCTIONS

1. Run a PURGE phase so that the heat exchanger is warmed up to room temperature.

CAUTION

The Cryostream must be at room temperature and not running before flushing air through the coldhead. Performing this while the Cryostream evaporator is at low temperature will cause the air to freeze in the coldhead **Check that both the 'Evap and Gas temp' are around room temperature before proceeding.**

2. Disconnect the FLOW tube from the FLOW connector.

Figure 1 – Removing the gas hose from the FLOW 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 FLOW port.

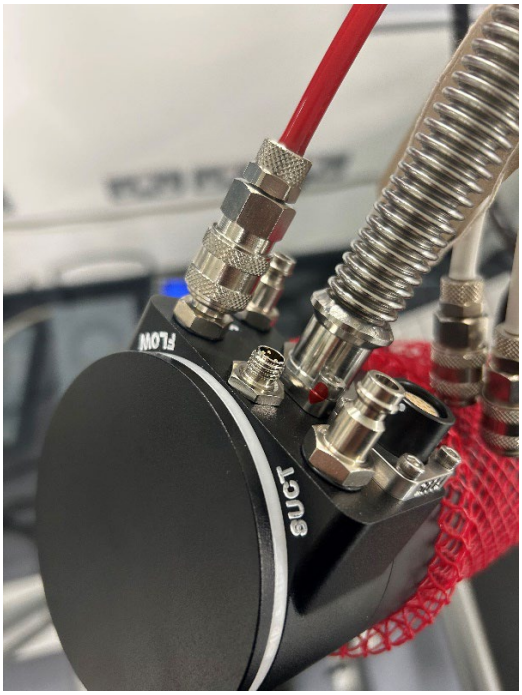

Figure 2 – Connecting the Dry-Air Inlet

4. Turn on the Dry Air (or external gas) supply and open up the flow to 15 L/min for 10 minutes to blow air through the heat exchanger and out of the nozzle. If using the 1000 series dry air the air may be already running, but if not this can be turned on from the 'Gas Flow' commands page on the controller screen, and pressing 'Run' under the shield flow settings.

5. Re-attach the hoses back in the correct orientation and try cooling the system as normal again.