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MEMO: Imperial to metric fitting connection

General - Congratulations on the purchase of your Chart Cryodoser Flex system. This memo is intended to provide you with some information to allow for gaseous nitrogen connection to your Chart dosing unit.

The Cryodoser Flex unit has been configured with metric fittings. Although the fittings on the dosing unit and Interface box will accommodate the tubes, there may be a need to connect an imperial fitting to this dosing unit. This memo addresses that situation.



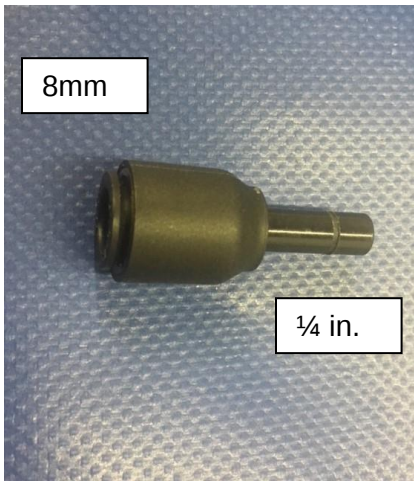
The gas supply inlet fitting to your Interface box is a metric 8mm diameter. The clear hose included with your system will fit as shown in the photo at left.

A gas regulator similar to that shown in the photo is a common device to connect to a gas source, either a separate high pressure gas cylinder or the gas port of a liquid nitrogen dewar.

In this example the output of the regulator is provided with a fitting for tube connection and in this case it is a 1/4" diameter in size.

Since the connection to the inlet is 8mm we are providing a fitting to bridge the two dimensions. This fitting is included with your system if it is needed.





Connected to
regulator with
1/4" imperial
fitting



Revision Level	Date	Description
B	02/24/2025	Address Change