

10711 : Humidifier Column

Installation:

Insert the Humidifier Column into the opening in the roof plate of the BOX.

Connect the inlet to the mixed gas flow regulator (BRICK or Digital Flow Meter or Metering Valve) using the supplied tubing and adapters.

Connect the outlet to the Stage-Top Incubator or Ludin chamber or Manifold Bottle using the supplied tubing and adapters.

Operation:

Remove the rubber plug and fill the Humidifier Column with distilled water. The use of a spritzing bottle is recommended to avoid spillage. Be sure to re-seat the plug firmly.

Re-fill with distilled water as required.

Regularly exchange the water (recommendation: weekly)

Remarks:

Microbial contamination is not usually a problem since distilled water and light-starved environments (microscopy room) do not support growth. If contamination has occurred, sterilize the Humidifier Column by rinsing with 70% EtOH. Subsequently wash with water (do not expose to EtOH for prolonged periods of time). The use of anti-microbial agents is not recommended since they can be transported as aerosol and end up in the specimen.

Water is an efficient CO₂ buffer. Thus equilibration of the Humidifier Column by bubbling it with the desired CO₂ concentration for several minutes before the experiment may be required.

