

1960-ASTM,ADAPTERS, DRYING TUBE STRAIGHT



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- There is usually a standard joint for use in connecting the drying tube to a reaction flask.
- In use, the drying tube is filled with a rechargeable desiccant such as calcium chloride and the open end of drying tube is partially blocked

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Product Description

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PART No.	FEMALE SIZE	MALE SIZE	Pack(Qty)
1960-19F19M	19/22	19/22	10

Here are potential uses for a drying tube straight adapter in a laboratory setting:

1. Moisture Removal:

- The primary purpose of a drying tube is to remove moisture or other volatile components from gases or air streams. It is commonly used to dry the gas passing through it.

2. Protecting Sensitive Reagents:

- Drying tubes are often employed in experimental setups to protect sensitive reagents or reactions from moisture, which can interfere with the desired chemical processes.

3. Air or Gas Inlet Protection:

- The drying tube straight adapter can be used to protect laboratory setups from ambient moisture when introducing air or gases into a system. This is particularly important in reactions sensitive to moisture.

4. Solvent Drying:

- When working with solvents, especially those that are hygroscopic (absorb moisture from the air), a drying tube straight adapter can be used to ensure that the solvent remains dry and free of contaminants.

5. Column Protection in Chromatography:

- In chromatography setups, a drying tube may be used to protect the stationary phase of the column from moisture, ensuring consistent and reliable separation of compounds.

6. Instrumentation Protection:

- Drying tubes can be incorporated into the gas lines of analytical instruments, such as spectrometers or chromatographs, to prevent moisture from reaching sensitive components.

7. Preventing Corrosion:

- In setups where metals are involved, such as reaction vessels or instrumentation, a drying tube can help prevent corrosion caused by moisture in the air.

8. **General Lab Use:**

- The drying tube straight adapter may find application in various laboratory setups where the removal of moisture is critical to the success of an experiment.
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