

DIFFUSION DRYER

DD 1448A

DRY AND REMOVE WATER VAPOR
FROM AEROSOL



DIFFUSION DRYER - DD 1448A

The Diffusion Dryer - DD 1448A is one of the instruments to dry wet aerosol. It consists of two parts. One is a water trap that eliminates large water droplets. The other one is a desiccant dryer it has two concentric tubes formed by a porous inner tube and an acrylic outer tube. And silica gel is contained in an annular space between two concentric tubes. The silica gel can easily regenerate using an oven with 120 °C. Additionally, the silica gel may be replaced by other desiccants such as activated charcoal or sodium aluminosilicate.

FEATURES

- + Drying efficiency down to R.H. 20%
- + Easy and quick removable eliminated water
- + Visible desiccant housing to monitor the desiccant
- + Provides dedicated stand

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SPECIFICATIONS

■ **Flow Rate Range**

0 to 4 L/min

■ **Maximum Pressure**

415 kPa (60 psig)

■ **Relative Humidity at Outlet**

20% when incoming R.H. is 60%

■ **Desiccant Type**

Silica Gel (Blue Indicator Crystal)

*The silica gel may be replaced by other desiccants such as activated charcoal or sodium aluminosilicate

■ **Desiccant Capacity**

Up to 2.0 Liter

■ **Inlet and Outlet Tubes**

1/2 in. O.D.

■ **Dimension (H × W × D)**

31.5 cm × 70.8 cm × 18.0 cm (12.4 in. × 27.9 in. × 7.1 in.)

■ **Weights**

Diffusion Dryer

1.8 kg (4.0 lb), without silica gel desiccant

Stand

2.4 kg (5.3 lb)

· The appearance and specification of the product may be changed without prior notice for the improvement of the product