

DESCRIPTION

The **DH-35** is designed to maintain a 35 mm culture dish (Corning 25000) at some temperature above ambient, usually 37°C. Stage adapters are available for mounting the **DH-35** on a microscope. The heater is normally used with one of the Warner Instrument heater controllers (**TC-324B**, **TC-344B** or one of the earlier models). Connection from controller to the **DH-35** requires a **CC-28** cable assembly. The cable assembly includes the two heater connectors, the control thermistor and an additional thermistor to measure temperature in the dish.

UNPACKING

The **DH-35** is a 2 part assembly; a base with attached resistive heaters, and a top. The two parts are held together with a pair of magnets. Additional parts supplied with the **DH-35** include one (1) solid cover, one (1) slotted cover, and one (1) large O-Ring.

MOUNTING ON A MICROSCOPE

The **DH-35** is mounted on the microscope with a **Series 20** Adapter. Adapters are available to fit most microscopes. The adapter must have the circular shaped cut-out (rectangular ones cannot be used).

CONNECTING THE DH-35

In most cases, the **DH-35** is used with a heater controller and **CC-28** cable assembly. For other connections, please call our technical service for help.

1. Attach the 2 connectors to the heater elements on the base.
2. Place the control thermistor (large white one) in the hole in the side of the base. To insure good thermal transfer to the thermistor, apply a drop of mineral oil to the thermistor before insertion. This will aid in removal of the thermistor.
3. Connect the other end of the cable to the heater controller. Refer to the controller instructions for operation of the system.

USING THE DH-35

Dishes can be placed in the **DH-35** with or without their covers. If used without its cover, one of the covers supplied can be used. The slotted cover allows access to the dish for probes, perfusion tubes, etc.

When the dish is used without its own cover, the dish is secured in the heater with the large O-Ring. The O-Ring fits snugly inside the **DH-35** top section.

If one of the external covers is used, a bead of grease can be applied to the groove in the top to hold the cover in place.

MAINTENANCE

The **DH-35** is constructed from aluminum and has an anodized finish. Cleaning can be with common lab detergents or alcohol.