



BEL-ART PRODUCTS

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Secador Auto Desiccators How it Works

The Secador Auto Desiccator's have a patented Electronic Drying Module that contains silica gel Beads, electric heating board, circulating fans, and silicone flaps.

At startup the drying module fans will begin to run causing the exterior flaps to close, drawing the air inside the cabinet into the drying module passing the moist air inside the cabinet through the silica gel beads and forcing the dryer air back into the cabinet. After approximately 15 minutes the fans will stop and reverse direction causing the interior flaps to close, the heater comes on and as air is drawn back through the heated silica gel beads where it picks up moisture and forces the moist heated air outside the cabinet, after approximately 5 minutes the heater will shut off, the fans will stop and change direction again and the process starts over again.

The module is designed so that the silica gel beads can be change easily. The beads should be replaced when it is noticed that they will no longer regenerate (turn blue) and (remain pink).

Or if the cabinet is used in a very low RH environment the beads may become black from being over regenerated due to lack of moisture for them to collect, this is another sign they may need to be replaced. The hygrometer would be your reference telling you to look at the beads as it shows a higher RH %.

The Hygrometer is not a precision piece of equipment and is mainly for reference. Every Hygrometer is calibrated prior to installing to make sure that it is working properly. It is recommended that the hygrometer be recalibrated prior to using the cabinet as it may have been affected by the handling during transportation, also it is recommended to recalibrate the Hygrometer approximately every 6 months. (see instruction sheets)

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