

3D Printing Filament Dry Cabinet User Instruction Manual



ADL-3D77/ADL-3D122N/AW-3D80P - <10%RH ($\pm 5\%$ RH)
FD-3D25 - <15%RH ($\pm 5\%$ RH)

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Thank you for purchasing **StatPro 3D Printing Filament Dry Cabinet**. These products were designed specifically for storage of filament polymers utilized in FDM 3D printing. Please follow the instructions below for setting up and configuring your dry cabinet.

Cabinet Calibration

1. Please remove all items from cabinet.
2. Plug into a 110/120v or 220/240v power source to begin cycling your Filament Dry Cabinet.
3. Turn the control knob to H (high) and run overnight (or at least over 12 hours) in order to decrease the RH level inside below 10%RH ($\pm 5\%$ RH) for ADL-3D77/ADL-3D122N/AW-3D80P. 15%RH ($\pm 5\%$ RH) for FD-3D25
4. You may begin storing filaments in the cabinet when the hygrometer has reached 10%RH ($\pm 5\%$ RH) for ADL-3D77/ADL-3D122N/AW-3D80P. 15%RH ($\pm 5\%$ RH) for FD-3D25

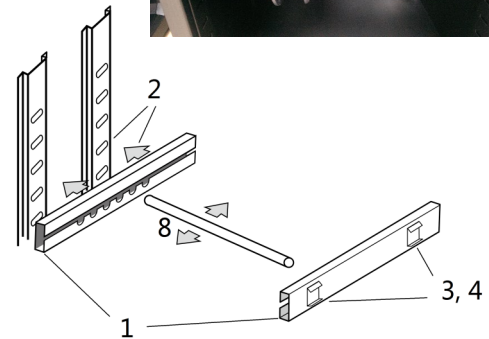
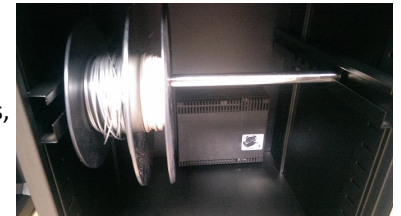
Core Unit Control



Filament Hanger Adjustment (Note: Does Not Apply to FD-3D25)

Each 3D Printing Filament Dry Cabinet comes with 2 side rails and one hanging rod and are fully adjustable to support filament spools up to 33 cm in diameter.

1. The openings on the side rails should face the cabinet door.
2. Set the height of the side rails suitable for your filament spool. If using multiple spool sizes, please set height of the side rail based on the diameter of the largest spool. Make sure the adjusted height position will not cause filament spools to rub against any part of the cabinet.
3. Insert the top hooks of the side rails into the slots of the height adjustment brackets.
4. Gently tap press or tab on the side rails to lock the bottom hooks into position.
5. Repeat for opposite side.
6. Face the filament spool so when rotated to the top the filament lead will face the back of the cabinet.
7. Place the filament on the hanging rod.
8. Slide the hanging rod on the side rail openings and adjust hanging rod to a position on the side rails most suitable for your filament spool.



Filament Feeding Tube Placement

The 3D Printing Filament Dry Cabinet are fitted with 4 cable glands. We recommend using 6mm outer diameter teflon (PTFE) tubing to allow smooth and proper feeding of filament to your printer.

1. From the back of the cabinet, loosen the sealing nut from the cable gland which the filament will feed from, then remove the plug from the cable gland.
2. Insert the PTFE tubing thru the cable gland and position it as close to the filament spool as possible to prevent filament from unraveling. Tighten sealing nut to prevent tubing from moving.
3. Feed the filament thru the PTFE tubing and ensure smooth feeding with no bind or excessive friction.



***Tubing length should reach from inside the cabinet to your printer in order to remain air tight.**

****Please keep cable gland plugs inserted when cable gland is not in use.**