



Forever Fresh Freeze Dried Forever Fresh Freeze Dried Forever Fresh Freeze Dried Forever Fresh Freeze Dried Forever Fresh Freeze Dried

Floral Freeze Dryers

Floral Freeze Drying

Freeze Drying of bridal bouquets, sympathy flowers and other floral arrangements for special occasions is a growing business for many people that want to work out of their home and make their own hours.

With a Floral Freeze Dryer from VirTis, along with our superior network of representatives, we can offer you the equipment and training required to start your own home-based business in this industry. We offer training on starting a business through a consultant that has had her own business for many years and made it a success. This training will help you to decide whether or not this is the right choice for you. Then, once you have made the decision, we can assist you to get the right financing to buy your own VirTis Florever Freeze Dryer.

While the chemistry involved in freeze-drying may be complex, the process itself can be divided into three basic process steps:

❁**Freezing:** The product is frozen solid, which converts the water content of the material to ice. Once frozen solid, the condenser and vacuum systems are energized for the next process step...

❁**Primary Drying:** In this step the objective is to remove the unbound, or easily removed ice from the product. This water is now in the form of free ice which is removed by converting it directly from a solid to a vapor, in a process called sublimation. This is accomplished by applying a uniform source of heat energy to the ice crystals turning them into water vapor. The product and condenser chambers are placed under vacuum to encourage the orderly migration of water vapor to the system's ice-collecting condenser...

❁**Secondary Drying:** Even after all the free ice is removed by the sublimation process, your product may still contain enough bound water to limit its structural integrity and shelf life. During the secondary drying process any water that was bound strongly to the solids in the product is converted to vapor. This is a slow process. Secondary drying actually starts during the primary drying phase, but must be extended to achieve low enough residual moisture levels.

Freeze drying is complete when all the free and bound water has been removed, resulting in a residual moisture level that guarantees the desired biological and structural characteristics of the final product. A general purpose freeze dryer may be defrosted during the drying cycle, or at its completion.



Florever
Freeze Dryer



Memories... Frozen For A Lifetime

Interested, but you still have some questions...

1. What size freeze dryer do I need?

A VirTis 24 x 48 Floreverb Freeze Dryer is the smallest model you should purchase if you are planning to start a business.

2. How many shelves do I need in my freeze dryer?

It is recommended that you get at least 5 shelves. The shelves are removable so you can do larger floral arrangements if needed.

3. What are the chemicals I need and where do I get them?

Chemicals are available through our Floral Rep, Rose's Freeze Dried Florals. They will sell you a package with chemicals to get started.

4. Do I need special training to use a freeze dryer?

You will need to have a factory representative show you how to use the freeze dryer. This is offered at no charge to you and is included at time of set-up. The Freeze Dryer is very simple to operate.

5. How long does the freeze drying process take for flowers?

It depends on the size of the flowers and/or bouquets. Freeze drying of flowers can take from 12 to 14 days.

6. Will I be able to tell by looking at the flowers that they're fully freeze dried?

Yes, you will see moisture or ice particles on the flowers if they are not dry.

7. Do I need a special electrical hookup to run a freeze dryer?

You will need a 220 volt service which can be installed by a licensed electrician.

8. What kind of maintenance is required? Can I do it myself?

Freeze Dryers have vacuum pumps that have oil in them. The oil must be changed when it gets dirty. It is a simple process to drain and fill. Other minor maintenance is listed in the operator's manual.

9. Just how big is a freeze dryer? How heavy is it? How much space do I need to set one up?

The freeze dryers range in size. The 24 x 48 is 79"H x 34"W x 52"L. They weigh 950 lbs, but they are on caster wheels and can be moved easily by two people.

10. If I have a technical question or mechanical problem is there someone I can contact to help me?

Yes, VirTis technical support is available through our 800 number. We also have a service company that is available 24 hours a day - 7 days a week.



Showcase of Freeze Dried Floral Arrangements



Whatever the occasion, if flowers are part of the festivities you can freeze dry them to keep those memories alive for many years to

come. With proper training and guidance through the freeze drying procedure you will be furnished with the knowledge and equipment you need to be successful.

For more information about the purchase of a general purpose freeze dryer or information about training and marketing your floral freeze drying business, please contact



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