

## PLANNING TO BUY A PHARMA REFRIGERATOR?

A must read guide to ensure your purchase goes as planned.

If you are an organization seeking a new Pharma Refrigerator, there are some important things worth considering before making a purchase. Doing your homework before buying an incubator is vital, especially as it can ensure the installation and on-going operation of your Incubator goes as smoothly as possible. Sure, you may think you have everything planned, but we advise checking out the following list of “*must do*” tasks which will ensure there are no surprises when you install your new Pharma Refrigerator.

### URS (User requirement specification)

A great place to start is with a URS. If you are unfamiliar with this term, it is essentially a document that outlines all the requirements, expectations, and technical demands you need from the equipment you are buying. Think of the URS as a detailed plan that highlights what you need the chamber to do. By documenting your requirements, you can compare Pharma Refrigerators to ensure you have found the best solution for your demands.

**Caution:** Some organizations have a separate department for equipment purchases. If you are simply the purchase team, ensure you get a URS document directly from the team that will use the chamber. For added security, get the technical teams and maintenance teams to approve the URS once its written.

### Building access

You’d be surprised how often an equipment purchaser will buy a new Pharma Refrigerator only to find it simply won’t fit into their location. Is your delivery door or room big enough to accommodate the equipment you are considering ordering? It may seem like a simple thing, but many organizations make this mistake. It is also worth measuring the stairs if you are not on the first floor and don’t have an elevator to ship the chamber to your floor.

**Note:** Many customers order equipment bigger than they can accommodate and are left surprised when it won’t fit through a door or down a hallway. It is important to confirm external dimensions before ordering.

**Ask for:** A dimensional drawing.

**Caution:** It is the responsibility of procurement team to ascertain that the ordered chamber can be easily placed in its designated location. Before ordering, take a look at chamber videos online, discuss with technical representatives from the maintenance team, and predetermine the path for chamber movement.

### Utilities

Believe it or not, ordering the wrong utility is the No. 1 culprit for improperly operating Pharma Refrigerator. Some things you need to be aware of with respect to utilities and new equipment installation include the following:

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### Room / Ambient temperature around equipment

We have observed that pharmaceutical companies which have centralized air conditioned laboratories with room temperatures maintained below 24°C provide for ideal conditions. The chambers installed in these organizations perform better than those not operating within this range.

Room temperature is one utility that is very important. Osworld customer data indicates that 80% of all chamber complaints are due to these utilities not functioning properly.

### Power supply

Stabilized input power supply of AC 230 volts +/- 10%, 50 Hz is recommended. In areas where the quality of voltage supply is poor, the use of a Servo controlled voltage stabilizer is necessary.

### Drain requirements

A free-flowing drain at floor level is required for the equipment to perform properly. A Pharma Refrigerator has a condensate drain outlet placed 2 inches above floor level. This necessitates the room drain to be at floor level. If you provide a PVC drainage pipe, ensure it does not twist at bends. Preferably, copper piping should be used.

**Note:** It is important to maintain the drain as it can get messy if left unattended.

### Preventive maintenance

Seeking the best utilities to meet your requirements for the most affordable price is what most customers desire. However, often organizations ignore a good level of post-purchase service, which is also an important component of equipment use. Manufacturers such as Osworld provide world-class after-care that includes chamber maintenance and on-going customer support.

An important thing to remember is to add the cost of maintenance into your budget:

**COST OF EQUIPMENT = PURCHASE PRICE + COST OF MAINTENANCE**

Osworld is committed to providing a leading customer service environment. Our service assurance preventative maintenance kits for Pharma Refrigerators are accessible by customers even after the chamber warranty has ended.

### Service and maintenance frequency

One question customers frequently ask is how often they should have maintenance checks on a chamber. Well, a recommended schedule for periodic servicing is on a quarterly basis. Tough conditions such as high ambient temperatures can significantly shorten the lifetime of components and reduce the intervals between maintenance and component replacements. Perform preventive maintenance more regularly if the conditions around equipment are improper or if the utilities are incorrect. If conditions and utilities provided are excellent then maintenance every six months is acceptable, however preventive checks can be conducted at a more regular frequency.

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### Parts replacement frequency

As Pharma Refrigerators age, the time between failures and operational problems naturally decreases. This is often down to component wear, although the conditions in which the chamber operates are also a factor. Based on Osworld's experience, we recommend replacement of certain components during preventive maintenance checks. Aging components can suddenly breakdown if they are not pre-emptively replaced during a maintenance service.

### Preventive maintenance spare parts kit for Pharma Refrigerator

The Osworld Pharma Refrigerator preventive maintenance kits contain the service parts required for a scheduled maintenance, based on the recommended replacement intervals.

### Benefits

- Osworld Pharma Refrigerator preventive maintenance kits contain genuine service parts.
- Kits are priced more economically than individually ordered parts.
- Parts are carefully selected and tested for the specific operating conditions.
- Replacing parts on time increase the time between failures.
- Spare parts reliability and availability are increased.
- Unplanned shutdowns are prevented, and repair cost reduced.

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