



# The importance of early planning

## Cleanroom consumables in refurbished and new buildings

**Unplanned delays and costs frequently occur during the construction phase and commissioning of cleanrooms. The reasons: missing cleanroom consumables as well as employees who are not trained in the use of the products. But how do you know which cleanroom consumables are needed in which quantity and quality and in which planning phase? When and how often should employees be trained during this time?**

Which products to be used later in production should already be clarified while planning personnel and material locks. This makes it possible to quickly determine how the facilities have to be designed in order to be able to maintain sufficient inventories of products. Another relevant factor is the number of persons that will be in the gowning area at the same time.

Intelligent planning of the consumables to be used can save valuable employee time, which would otherwise be wasted by an excessively

long cleanroom entry procedure. Possible savings of several 10T € make it worthwhile to consult a professional.

Questions that arise:

- What product groups are needed?
- What quality is needed for the materials?
- Do I always use the same quality?
- When will the first cleanroom product groups be needed?
- How do I avoid downtimes due to insufficient consumables?
- When should the first personnel training be scheduled?

Usually, it is fairly obvious which product groups will be required. But the variety of available disposable, reusable products and consumables, as well as the choice of detergents and disinfectants, can be "overwhelming".

Often one has neither the time nor the experience to be able

to scour the market for suitable products and to make a quick decision as to what is really needed!

It can be helpful to consult a full-service supplier, who can provide product-neutral information and who also offers the required services.

### **Example: overpriced products offer unexpected possible savings:**

In a pharmacy with an A/B area of just under 10 m<sup>2</sup>, only disposable wipers pre-moistened with a disinfecting agent were used. The customer was aware of the advantages and disadvantages of this system. The most economical and technically most feasible solution based on the size of the area – expansion of the controlled area – was already planned at the time of consultation with the customer. After the area was expanded to 200 m<sup>2</sup>, however, the system was changed to using reusable materials. All necessary facilities and disinfection plans already existed or were delivered promptly. An investment of several thousand Euros for

cleaning carts and other equipment was also necessary. The drum price for disinfecting agents was also a deterrent at first. In the end, however, this new system saved the customer 20,000 € per year.

Also, it is not always necessary to raise the product quality, especially if cleanroom status is not yet totally achieved. After a risk analysis, products of lower quality, which are also less expensive, are used in the individual construction phases.

And basan offers an additional service. Mobile dispenser systems are provided during this time so that the products do not have to be used out of boxes or from the floor.

Full-service suppliers also provide support with the

question "When and how many products are needed".

On the basis of empirical data and information provided by the customer, the necessary products are stockpiled in advance. This makes it possible to deliver the products needed for the individual phases on short notice. High delivery costs due to express or weekend deliveries, or even production delays or shortfalls due to insufficient cleanroom products, are therefore eliminated.

To keep the consumption and costs of cleanroom articles within reason, product-neutral training by a consultant should be conducted on-site to explain the most important differences in quality, areas of application, economical use and the delivery of cleanroom products available on the market.

Employee training in the early planning phase makes sense only to a limited extent, since usually not all employees will be available at this time. Suitable illustrated documentation on the application can be provided by basan. This facilitates the introduction for "beginners". The fine points are then explained later in person.

### **Conclusion**

To save time and money, early assistance with the selection of consumables already during the planning phase makes sense.

### **CONTACT**

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