

Training

Introduction

Effective training of personnel at all levels is important for maintaining a profitable operation and meeting the needs of regulatory authorities. For example, lack of qualified training can and has resulted in manufacturers being issued with warning letters by the FDA.

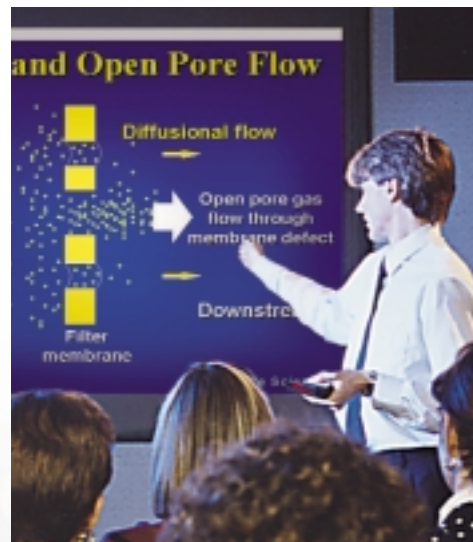
International GMP regulations state that personnel should receive training appropriate to the duties assigned to them and continuing training should be given.

Pall Life Sciences Technical Group

Training is given by experts in filtration processes who have extensive experience in applications in pharmaceutical manufacturing operations and awareness of the latest regulatory expectations. They are able to provide a range of training courses to ensure operators and managers attain the optimum level of competence in all filtration and separation disciplines.

Customized Training Courses

To ensure the training is relevant to your operation and value for money, the courses can be customized to reflect each manufacturer's particular activity. Information on theory and applications is carefully balanced to keep the content interesting. The courses are designed to ensure maximum participation by the trainees and where appropriate practical exercises can be introduced. Courses can be arranged at (or near) the site of operation or at one of Pall's specialized training facilities, depending on your requirements.



Features and Benefits

Benefits of Pall's training courses:-

- Courses designed and lead by experts
- Each course customized to ensure maximum relevance to your operation
- Optimum use of training budgets
- Can be held locally or at Pall's specialized facilities

Training Course Topics

Topics most commonly covered are:-

- Introduction to filtration
- Filter system operation
- Integrity testing
- Filter validation and regulatory requirements
- Introduction to separation technology
- Operation of downstream processing systems
- Basic or advanced tangential flow filtration

We can also work with your local training department to develop a course that meets any requirement you have.

Example Training Courses

Introduction to Integrity Testing

Who should attend

Operators, supervisors and managers requiring a working knowledge of integrity testing.

Course objectives

To ensure attendees:-

- Understand the importance of testing critical filters
- Understand how the theory and practice of the range of integrity tests available differ
- Have practical experience of operating manual and automatic integrity test devices

Course content

- Destructive v non destructive tests
- Different non destructive methods i.e. Forward Flow, Bubble point and Water intrusion tests
- Regulatory requirements
- Correlation of integrity tests to filter performance
- Operating manual and automated test devices

Course duration

Typically 1 day

Location

On-site or at Pall's local training facility

Filter Validation and Regulatory Requirements

Who should attend

Key personnel from Quality Assurance, Regulatory Compliance, Technical Support, R&D and Manufacturing Departments.

Course Objectives

Provide those who have a responsibility for ensuring that the sterilizing filtration process meets current regulatory requirements, with the knowledge they require to review and improve existing procedures.

Course Content

- Core validation, continuous validation and process specific validation – how they differ
- Recent changes in regulatory requirements
- Current regulatory requirements
- Documentation requirements
- Practical approaches to process validation

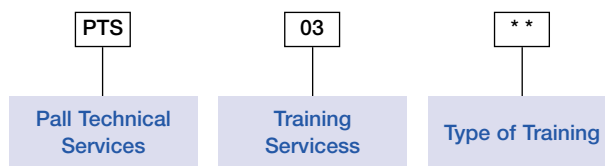
Course duration

Typically 1/2 day

Location

On site or at Pall's local training facility

Part Number Structure



Typical Part Number PTS03AA Training on the basic principles of filtration for a half day at customer site

Charges

Wherever possible, we provide a fixed price in advance.

Where this is not possible, we will give an estimate to assist you in budgeting and cost control. The final invoice gives details on items such as labor, materials etc.

For more information and to discuss your training requirements please contact your local Pall Life Sciences representative.



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