



Technology Services  
For Total Fluid Management

## 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' failure to comply with industry or government regulations.

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

### Pall Corporation Technical Group

Experts in filtration processes who have extensive experience in applications, manufacturing operations, and awareness of the latest regulatory issues provide the training. 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

Courses can be customized to meet your particular needs. Information on theory and applications is carefully balanced to keep the content interesting. They are also designed to ensure maximum participation by the trainees and where appropriate, practical exercises will be introduced. Training courses can be provided at (or near) your site of operation or at one of Pall's specialized training facilities, depending on your requirements.

### Benefits

- Courses designed and led by experts in filtration technology
- Each course customized to ensure maximum relevancy to your operation
- Can be held locally or at Pall's specialized facilities



### Training Course Topics

Topics most commonly requested are:

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

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

# Example of a Training Course

## 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 vs. 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

### Charges

Wherever possible, we provide a fixed price in advance. Where this is not possible, we will give an estimate to assist you with budgeting and cost control.

For more information and to discuss your training requirements, please contact your local Pall Corporation representative.



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