

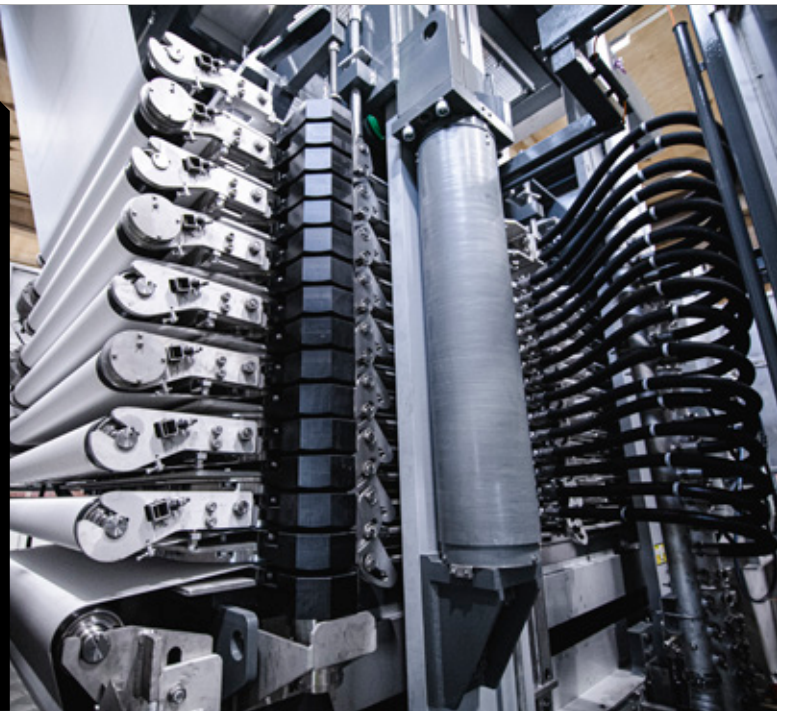
# Metso:Outotec

Training Academy

## Filter product training

Application

Theoretical and practical knowledge on Metso Outotec and Larox® filtration systems.



Our filtration training equips participants with the knowledge and skills required for safe and efficient operation and maintenance of Metso Outotec and Larox® filtration systems. Training is delivered by our experienced team of in-house certified experts, and covers both basic knowledge of filtration systems and Larox® technology, as well as customized training courses on optimal operation, maintenance, automation, and troubleshooting.

### Training overview

- The training provides basic theoretical and practical knowledge of filtration principles and safe operation for both beginners and personnel requiring refresher training.
- Suitable for operators, supervisors, maintenance and technical personnel.
- Pre-defined modules allow for the tailoring of training content.
- Customized training for experienced personnel for more in-depth knowledge.
- Training delivered at Metso Outotec facility or on-site.

Through carefully designed course modules, this training covers the following elements:

1. Safety – guidelines on the safe use of filtration equipment and the relevant safety regulations.
2. Technical overview – mechanical, instrumentation, electrical and automation, as well as hydraulic and pneumatic overview.
3. Operational overview – filter operation, parameter adjustment, and use of the operator interface unit.
4. Maintenance and after-sales support – guidelines on services and performing maintenance in a safe and correct manner.

Read more at [mogroup.com/trainingacademy](http://mogroup.com/trainingacademy)



Training is a foundation for:

- Increased productivity and efficiency
- Improved safety
- Higher equipment availability
- Optimized processes and maintenance

# Training course details

## Recommended training days per equipment type

Filter type	LSF	FFP	VPA	FP & FPS	Tube Press	PF & PF-DS	CC	RT & RT-GT	RB	DM	SC
Theory	1 day	3 days	3 days	2 days	2 days	3 days	3 days	2 days	2 days	1 day	2 days
Practical	1 day	2 days	2 days	1 day	1 day	2 days	1 day	1 day	1 day	0,5 days	1 day

Typical training content may vary based on filter type.

### Theory training

Classroom-based course which covers basic operation principles, training on the operator interface unit, safe use of Metso Outotec and Larox® Filtration systems and after-sales support. It is intended for operators, supervisors, maintenance personnel, and technical specialists, and can also be used as a refresher course for personnel who already possess a basic knowledge of filtration.

#### Typical content

- Introduction to Metso Outotec filtration equipment
- Mechanical structure of filters
- General instrumentation, electrification and automation
- General hydraulics/pneumatics based on filter type
- Process overview
- Basic operation principles
- Operator interface unit training
- Safety regulations and guidelines
- Basic maintenance
- After-sales support/services and spare parts
- Technical documentation (IOM & e- Catalogue)

### Practical training

In addition to the theory training, the practical course connects the classroom-based information to practical experience. The course provides operators and technical specialists with practical knowledge on running, maintaining, and troubleshooting Metso Outotec and Larox® filtration systems. Practical training can include demonstrations, simulations and machine-side training.

#### Typical content

- Filter structure
- Auxiliaries
- Operator Interface Unit use in practice
- Filtration parameters
- Maintenance procedures
- Handheld unit use
- Filter hydraulics
- Troubleshooting

### Customized training courses

These courses are custom made to meet our customer's specific needs. They are designed to build up competence in Metso Outotec products and provide more in-depth information for designated equipment. Customized training courses provide thorough information on our equipment and technologies, process optimization insights as well as service procedures and tips to help customers move from reactive to proactive maintenance. These custom courses are normally a combination of classroom and practical training.

