



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Drum Filter Re Clothing Maintenance Procedures Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110155 · NQF Level 2 · 7 Credits · 4 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to perform routine maintenance on drum filter re-clothing systems, ensuring optimal filtration performance and compliance with safety standards. Participants will learn to identify wear, carry out replacement procedures, and apply best practices to extend equipment lifespan.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110155
Accreditation	SAQA Accredited · NQF Level 2 · 7 Credits
Duration	4 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply correct safety procedures when handling and replacing drum filter clothing.
- Demonstrate step-by-step removal and installation of drum filter clothing according to manufacturer specifications.
- Analyze wear patterns on used clothing to determine replacement intervals.
- Implement tensioning and sealing techniques to prevent leakage and ensure filtration efficiency.
- Evaluate the condition of support structures and seals during maintenance routines.
- Document maintenance activities and report deviations from standard procedures.

WHO SHOULD ATTEND

- This course is designed for maintenance technicians, filtration operators, and process engineers responsible for the upkeep of drum filter systems in industrial or water treatment environments.

COURSE OUTLINE

Day 1: Introduction to Drum Filter Systems and Maintenance Principles

- Overview of drum filter systems: components and operation
- Types of drum filters: rotary drum vacuum filters, disc filters, etc.
- Principles of filtration and re-clothing
- Safety regulations (OHS Act) and hazard identification
- Maintenance planning and record-keeping basics
- Introduction to maintenance procedures and schedules
- Environmental considerations and waste handling

Day 2: Inspection, Troubleshooting, and Dismantling Procedures

- Inspection techniques: visual, dimensional, and functional checks
- Common faults: cloth blinding, tears, misalignment, drum corrosion
- Troubleshooting flowcharts and decision-making
- Step-by-step dismantling procedures
- Handling and storage of filter cloth and components
- Use of maintenance logs and checklists
- Communication protocols with team members

Day 3: Re-Clothing Techniques and Quality Assurance

- Filter cloth types: woven, non-woven, mesh, and specialty fabrics
- Measuring and cutting cloth to size
- Fitting procedures: positioning, clamping, and sealing
- Tensioning methods and tools
- Alignment checks and adjustments
- Quality control: seam integrity, pleating, and overlap
- Commissioning tests: pressure test, leak test, and run-in

Day 4: Post-Maintenance Testing, Troubleshooting, and Documentation

- Performance testing: flow rate, pressure drop, filtrate clarity
- Post-maintenance troubleshooting: leaks, vibration, uneven filtration
- Preventive maintenance planning and scheduling
- Documentation: work orders, inspection reports, maintenance logs
- Continuous improvement and feedback mechanisms
- Review of key learning points and assessment preparation
- Final assessment: written test and practical demonstration

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **7 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 20,500.00	R 20,500.00
1	In-House	R 26,600.00	R 26,600.00
1	On-Campus (Pretoria)	R 30,800.00	R 30,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	06 Aug 2026	On-Campus	Pretoria, South Africa
03 Aug 2026	06 Aug 2026	On-Campus	Dubai, UAE
03 Aug 2026	06 Aug 2026	On-Campus	Cape Town, South Africa
03 Aug 2026	06 Aug 2026	On-Campus	Mauritius
03 Aug 2026	06 Aug 2026	On-Campus	Johannesburg, South Africa
03 Aug 2026	06 Aug 2026	On-Campus	Lagos, Nigeria
11 Aug 2026	14 Aug 2026	On-Campus	Mauritius
11 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

- 1. Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 110155) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
- 2. Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
- 3. Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
- 4. Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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