

Specification 009 MIBA Filler Dryer System Pos.440

Project: LIFE19 MIBA Filler – Pilot
 Reference: LIFE19 CCM/NL/001219 - 440
 Revision: 0
 Date: 9 July 2021

This document describes the specific and technical specifications for the **MIBA Filler Dryer System**.
 This document is part of the Request for Quotation **LMF-RFQ-004-MIBA Filler Dryer System Pos.440**.

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|----------------------------|--|--------------------|---------------------|
| 1. Product characteristics | Machine suitable to handle fine Incinerator Bottom Ash (IBA) with the following characteristics: | | |
| | Grain size, D50: | 5 µm – 20 µm | |
| | SG (particles) | ~2,6 | |
| | Specific heat capacity | ~0,83 kJ/kgK | |
| | pH | 9 – 12 | |
| | Cl content | up to 20 000 ppm | |
| 2. Capacity & dimensions | Feed, 85%DS | Water content: | 15%mass |
| | | Bulk density: | ~1,6 kg/L |
| | | Flow (expected): | 1612 kg/h |
| | | Flow (max): | 2054 kg/h |
| | | Temperature: | 20 °C – 40 °C |
| | Output, 99,8%DS: | Water content: | 0,2%mass |
| | | Bulk density: | 1,0 kg/L – 1,2 kg/L |
| | | Flow (expected): | 1373 kg/h |
| | | Flow (max): | 1749 kg/h |
| | | Temperature: | 110 °C |
| | Heating medium | Type | Thermal oil |
| | | Input temperature | 210 °C |
| | | Design temperature | at least 250 °C |
| 3. Mounting position | Position of machine on floor
Outlet flange: 1100 mm above floor level | | |
| 4. Features | Designed for full automation and minimal human interference.
Energy efficient
Including thermal insulation | | |

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5. Deliveries

Design, fabrication & delivery of a **MIBA Filler Dryer System**

- Complete machine; after erection and installation ready for operation
- Automation functional design specifications
- Preservation, supplier standard
- Support structure design specifications
- Thermal oil heater design specifications
- Motor: make SEW, optional supplier standard
- Optional: required instrumentation
- Optional: access ways and platforms
- Optional: control cabinet
- Optional: support structure

Spare parts:

- Required/recommended spare parts.

Documents:

Document deliveries according to the specification 'Documentation and Drawings'