



FC™ 1200-LS Service Exchange

Fine-coal centrifuge upgrade

Improved maintenance and reliability

The FLSmidth FC1200-LS vertical fine-coal centrifuge presents the industry with the most reliable and maintenance-friendly machine on the market. With the original FC1200 already respected for high availability, low product moistures, and long service life for baskets and wet-end components, this upgraded model adds a lubrication system ('LS') and new basket technology that extends maintenance frequency and reduces maintenance costs. Cumulative benefits include reduced downtime, improved reliability, and reduced cost of ownership – all with the same exceptional process performance.

As part of the innovative FLSmidth Service Exchange product line, any plant currently operating the traditional FC1200 can reap the benefits of the innovative FC1200-LS in a matter of days.

Technology advantage

- New integral lubrication system provides filtered oil lubrication to all moving parts without traditional grease lubrication.
- No remote or internal grease points means the machine does not need to be stopped or disassembled for lubrication outside of scheduled oil changes.
- Sealing and lubrication improvements extend oil service intervals by 30%.
- New gearbox design reduces oil contamination, increasing filter circuit life and significantly improving oil lubrication quality.
- Extended greasing intervals mean regular maintenance frequency can be extended to meet basket life intervals.
- Rapid installation and commissioning as part of the FLSmidth Service Exchange product line.

Sustainable solution for improving productivity with minimal cost and impact

Rapid installation and commissioning

As an FLSmidth Service Exchange product, existing FC1200 machines can be exchanged for the advanced FC1200-LS model, and core units returned to the factory for refurbishment and upgrade. The machine is a direct replacement of the traditional FC1200. No plant modifications are required. No changes have been made to the consumable wet-end components. The same high standards of consistent process performance can be expected.

Extensive factory testing has been backed by real-world field trials to ensure the supply of a reliable turn-key product. Successful transactions have already seen potential lead times for replacement fine-coal centrifuges slashed from eight weeks to 48 hours. Sub-assemblies are also available through ex-stock Service Exchange, including main shaft assembly, drum cover and drum scraper. This provides an attractive solution for any operator looking to improve the reliability of equipment with minimal transition downtime.

Five configurations are available to suit all installations with motor position on left, right or above the driven pulley when viewed from guard end, and adjacent or opposed to the centrifuge.



FC1200 Lubrication System (LS) assembly and driven pulley

Included

- Reconditioned FC1200-LS
- Lubrication system upgrade
- Lubrication pump and motor
- Driven pulley
- V-belts
- Basket to site specification
- Replacement consumable wet-end components (base of spoke, scraper, basket)
- Installation layout to site specification
- IOM manual to site specification
- Manufacturers' warranty

Options

- Seal plate
- Velocity arrestor
- Drive motor
- Drive pulley
- Guard

Specifications

Nominal capacity (tph)	50-80
Basket diameter (mm)	1,200
Basket angle (degrees)	20
Basket aperture (mm)	0.250/ 0.375
Drive motor (kW)	55
Lubrication motor (kW)	1.1
Machine weight (kg)	6,100
Typical feed size range (mm)	-6 +0.1mm

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