marsyntex®

Questionnaire for iron ore filtration

Customer name: _____

Address: _____

Customer contact person: _____

Phone: _____ Mail _____

Quantity and type of filter installations

Manufacturer of the filters: _____

Vacuum disc filters: _____ Quantity: _____

Hyperbaric disc filters: _____ Quantity: _____

Diameter of disc: _____

No. of disc/filter: _____ No. of sectors/disc: _____

Conditions of operation

Sludge to be filtered: _____

Working temperature: _____ [°C]

pH value of the slurry: _____

Density of the slurry: _____ [%]

Blain no.: _____ Particle size: _____

Chemicals in a slurry if any: _____

Present situation

Production capacity: _____ [tns/filter/hr]

Moisture content of cake _____ [%]

Permitted solids in filtrate: _____ [mg/l]

Life time of bags: _____ [hrs]

Life time of sectors: _____ [months]

Targets

Production capacity: _____ [tns/filter/hr]

Moisture content of cake: _____ [%]

Permitted solids in filtrate: _____ [mg/l]

Life time of bags: _____ [hrs]

Life time of sectors: _____ [months]

Marsyn-Frage-009-08-12-2017

Questionnaire for iron ore filtration

Filter Bags

Present bags

Supplier: _____

Fabric type (mono/multi/combination): _____

Raw material: _____

Air permeability: _____ [l/dm²/min at 20 mm H_2O]

Weight: _____ [g/m²]

Fixing method: _____ [zipper, Velcro, rope ..]

Size of the bags (drawing): _____

Reason for bags change

Glogging (poor capacity and high moisture): _____

Breaking (holes): _____

Planned change every _____ [hrs]

Questionnaire for iron ore filtration

Sectors

Present sectors

Supplier: _____

Type of sector (metal, plastic): _____

Sealing method of the sector neck (rubber ring, ferrule): _____

Ferrule type (drawing of dimensions and photo): _____

Dimensions of the sector (drawing): _____

Reason for sector change

Holes in sector body: _____

Holes in sector neck: _____

Other reason (what): _____

Questionnaire for iron ore filtration

Filter operation

Vacuum disc filter

Slurry feeding system
(how many inlet pipes): _____

Slurry level control system: _____

Speed of filter: _____ [rpm]

Agitation speed: _____ [rpm]

Vacuum level: _____ [bar]

Snap blow time: _____ [sec]

Snap blow pressure: _____ [bar]

Snap blow volume (good, bad): _____

Suck back system
working properly: ☐ yes ☐ no

Bridge plate

Drawing or photo of the bridge plate including

Cake pick up point: _____

Snap blow hole (size and location): _____

Suck back hole (size and location): _____

Questionnaire for iron ore filtration

Other important information

Subject to changes according to the current state-of-the-art without notice. This document is intended as non-binding information only. Due to the large variety of installation and operating conditions and application and process technologies, it can only serve as a non-binding guideline and does not release the user from the obligation to check the product supplied by us for its suitability for the intended processes and purposes. This means that this information cannot be used as a basis for warranty claims. As a matter of course, we guarantee the impeccable quality of our products according to our general terms of sale and delivery.

Otto Markert & Sohn GmbH
A Markert Group company
Oderstraße 51 · 24539 Neumünster
Tel.: +49 4321 8701-0 · Fax: +49 4321 8701-275
email: marsyntex@markert.de · www.markert.de

Marsyn-Frage-009-08-12-2017