Antistatic Filter Elements

SPECIAL ANTISTATIC MEMBRANE COMPOUND WITH EXCELLENT FLEXING CHARACTERISTICS

SAFER WORKING ENVIRONMENT

APPROVED FOR FOOD ACCORDING TO LMBG

GERMAN UTILITY MODEL DE 29818048U1

AVAILABLE IN ALL KIND OF DESIGNS

FOR EX PROOF PRODUCTION AREA

FOR EDIBLE OIL FRACTIONATION
The filtration of electrically insulating slurries results in high voltage potentials. The subsequent electrical discharges induce an aging process on the membrane surfaces causing the membranes to become brittle. This results in premature failures of the membrane. To avoid these damages, Klinkau has developed a special antistatic membrane compound. This material is electrically nonchargeable. Antistatic membranes are available for all Klico membrane plate designs.

During the filtration of edible oils extreme high electrical potentials are generated causing frequent membrane damages.

EX PROOF

Antistatic membranes are able to avoid these problems and are contributing furthermore to a safer work environment. There are no longer measurable electrostatic charges in the periphery of the filter plates. Our antistatic membranes are also recommended for winterization process. Due to the polishing character of this filtration, the flow rates in the filter plates are substantially higher compared to the edible oil fractionation. Our material of construction meets in full the LMBG food requirements.

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In the chemical industry very often slurries including organic solvents are subject to filtration. These liquids form explosive gas mixtures that requires ex proof equipments. Klinkau offers a full range of antistatic chamber plates and membrane plates with grounding connections to dissipate the electrostatic charges. In connection with CGR (caulked and gasketed plates) the dripping of the liquid between the filter plates can also be avoided during the filtration.