

VC Cartridge Filter Housings

FOR MOLTEN SULPHUR SAFETY/POLISHING FILTRATION

The amafilter® VC cartridge filter for molten sulphur safety/polishing filtration is used as a polishing filter for the removal of fine ash and other particles, which occasionally could find their way through (by-pass), when the main filtration is not 100% effective. The VC cartridge filter is also used as a safety filter (police) to prevent precoat material passing through the horizontal pressure leaf filter due to mistakes in switching valves, insufficient precoat and stranges in flow.

The VC cartridge filter is installed downstream the main horizontal pressure leaf filter.

FEATURES

- The filter cartridges are mounted on a septum plate making it easy and quick to replace the existing filter cartridge batch with a new set hence reducing servicing and minimizing downtime.
- Delivers effective polishing filtration ensuring that solid impurities are reduced from 20-30 PPM, generated by the first main filtration step, to an even lower value of 5-10 PPM. This is critical to the process as these solid impurities (contaminants) have a direct impact on the performance of the sulphur burners and catalyst convertor beds (sulphuric acid production unit). They are progressively poisoned by dirt accumulation giving rise to increases in pressure drop and shorter operating durations.

BENEFITS

The amafilter® VC polishing cartridge filter in combination with the amafilter® horizontal pressure leaf filter delivers significant benefits:

- The time between maintenance break downs (intervals) of the catalyst beds, sulphur burners and pipe reactors is considerably improved from 3-6 months to 2 years. This results in significantly lower maintenance costs.
- Improved safety as less interventions are required to optimise the system

An extensive reference list of satisfied customers is available.

