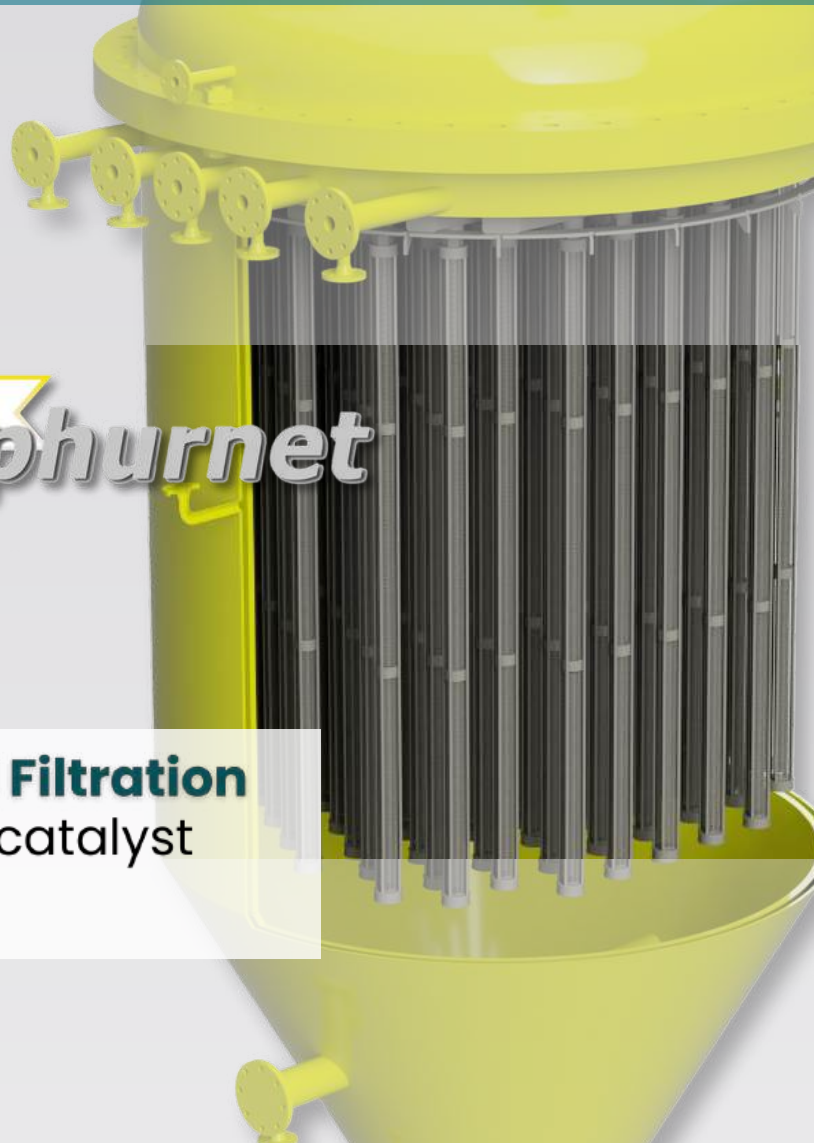


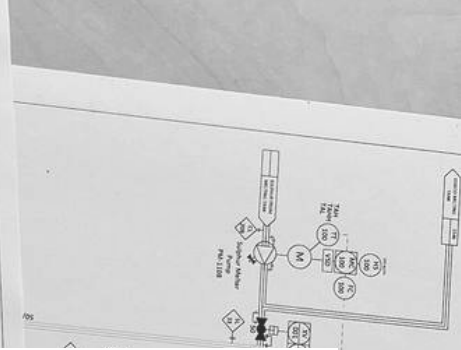
Self-Cleaning Liquid Sulphur **CANDLE FILTER**



High-Efficiency Automated Filtration

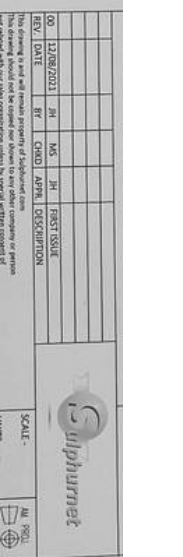
Fine filtration for acid plants/catalyst protection





precoat tank during the first step.

Sulphurnet – Get it right the first time

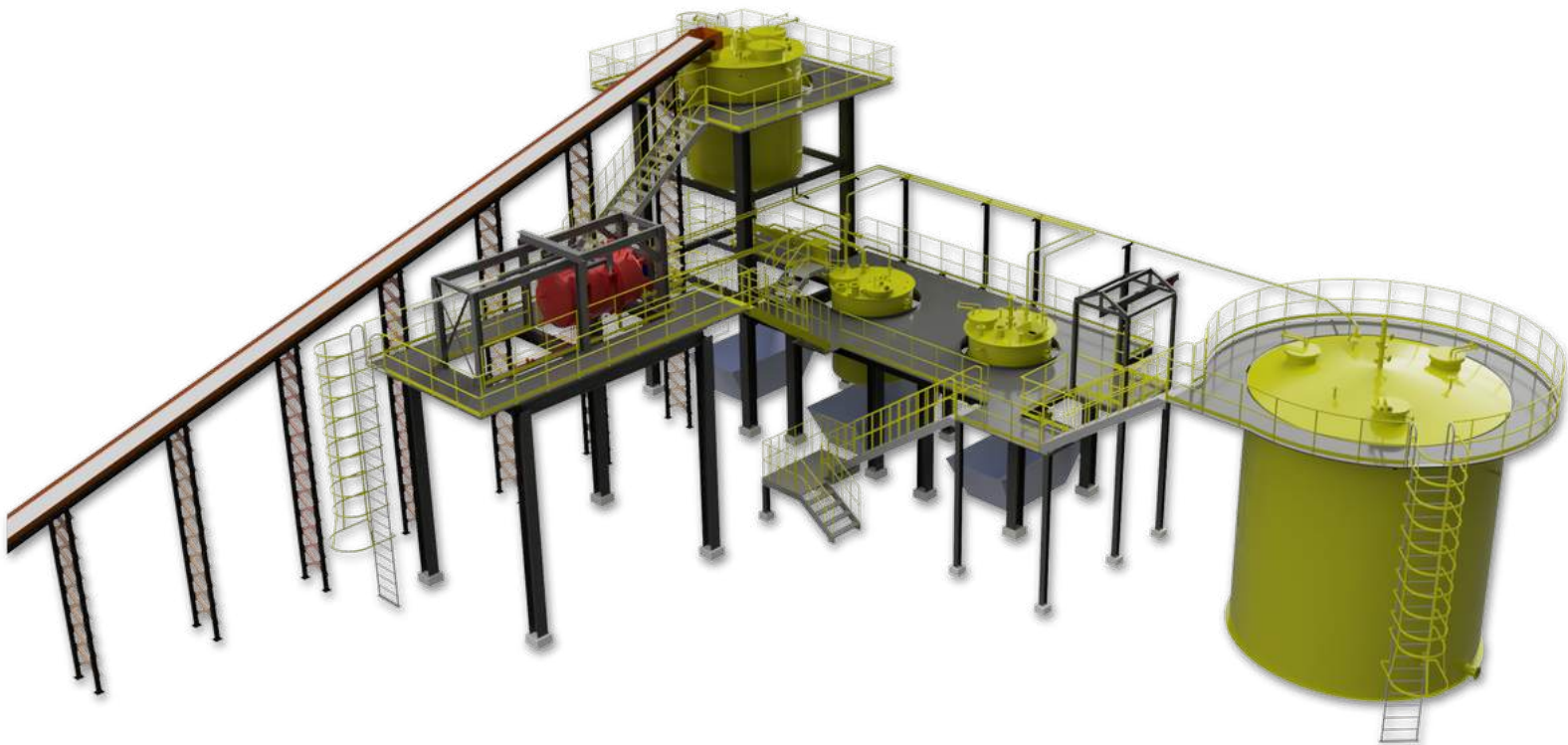


Pure Sulphur, Seamless Operations

Features **1**

How it works **2**

Cleaning process & Operational Setups **3**

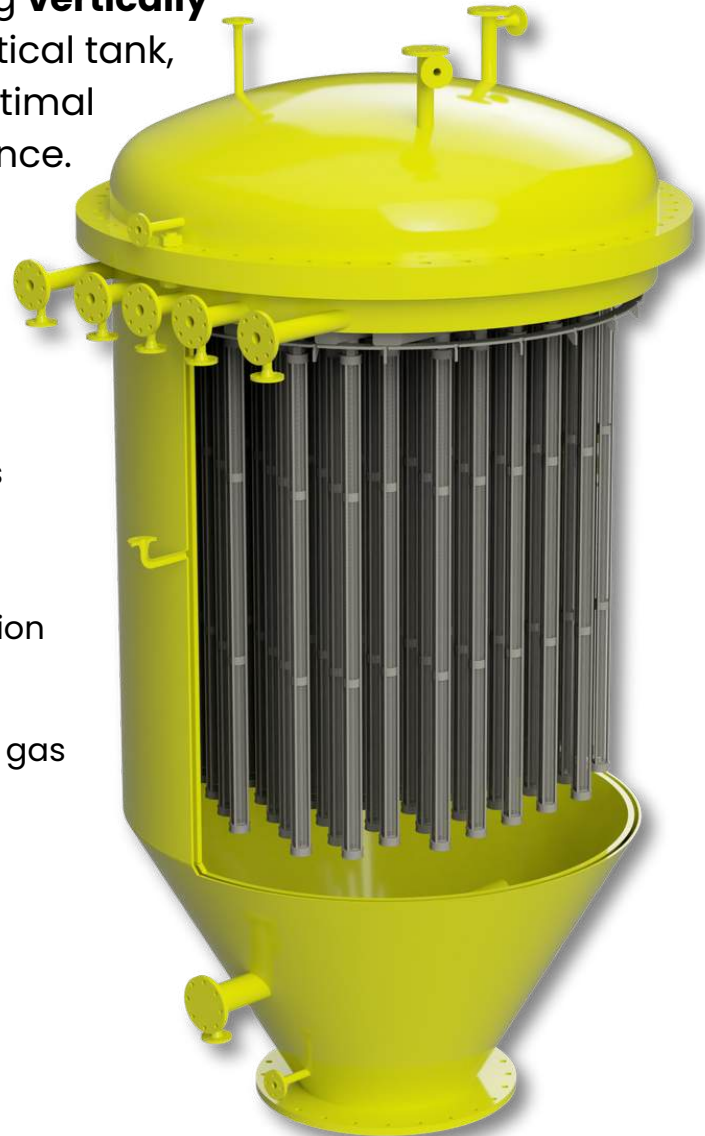


Superior Filtration

The Self-Cleaning Liquid Sulphur Filter (LSCF) by Sulphurnet is a high-tech self-cleaning candle filter designed to deliver exceptional filtration results. Featuring **vertically positioned filter candles** within a vertical tank, this sophisticated system ensures optimal performance and minimal maintenance.

Features

- No moving parts
- Low maintenance and operational costs
- Bright filtration results in a single filter
- Fully automated and reproducible filtration process
- Operators are not exposed to sulphur or gas
- Achieves ash levels < 10 ppm
- Filter housing is fully jacketed
- Supports 316SS candles



A State-of-the-Art Solution for High- Quality Filtration



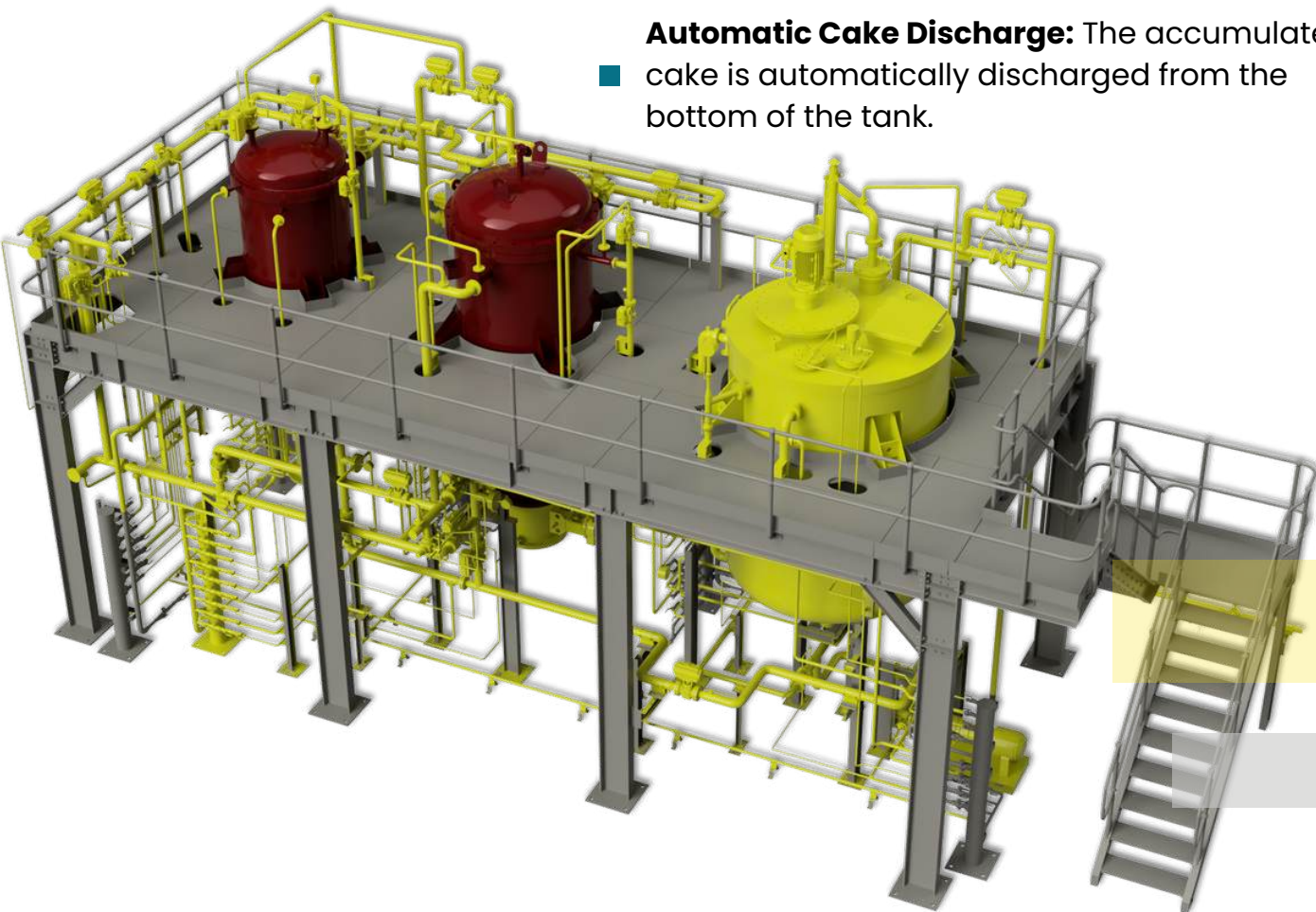
How It Works

- **Setup:** The filter uses vertical hanging candles inside a vertical tank, unlike a pressure leaf filter.

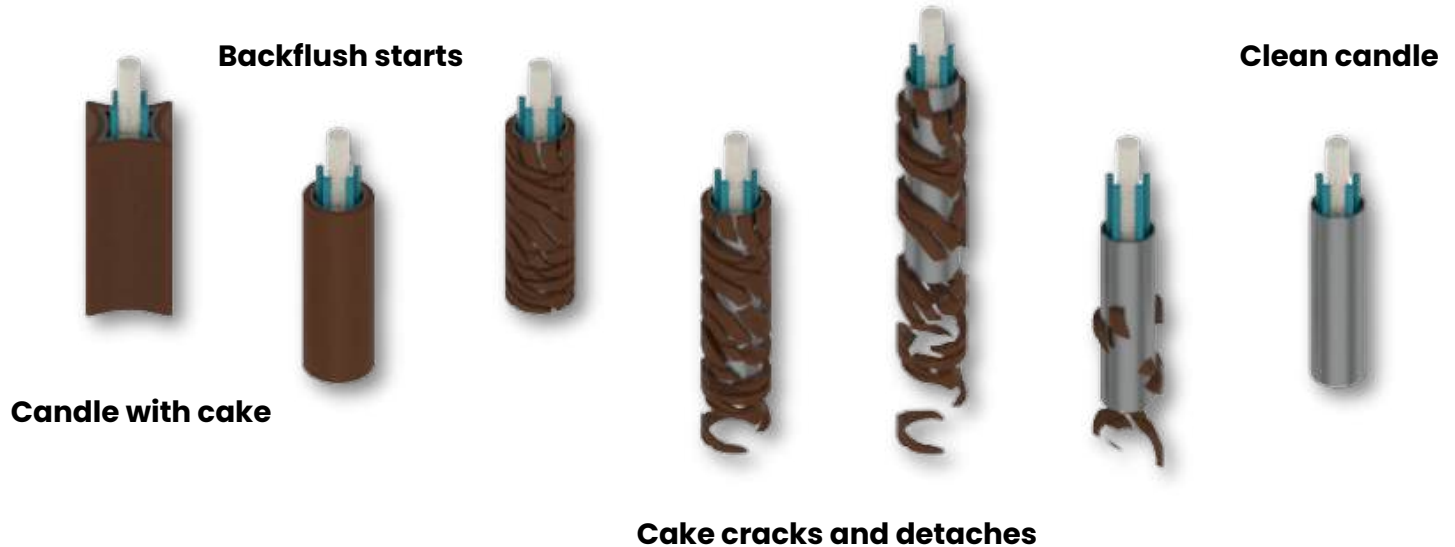
- **Flow Direction:** Liquid flows from the outside to the inside of each filter candle.

- **Cake Retention:** Solids in the liquid form a cake on the surface of the filter media.

- **Automatic Cake Discharge:** The accumulated cake is automatically discharged from the bottom of the tank.



Cleaning Process



Cleaning is carried out by injecting **high-pressure steam** in the reverse direction from the filtration cycle. During this **backflush cycle**, the filter media expands and deforms, causing the cake to crack and detach.

Individual outlets sequentially clean each manifold of candle and cloth, **enhancing cleaning efficiency** and reducing the cleaning time of the filter to only **20 minutes**.

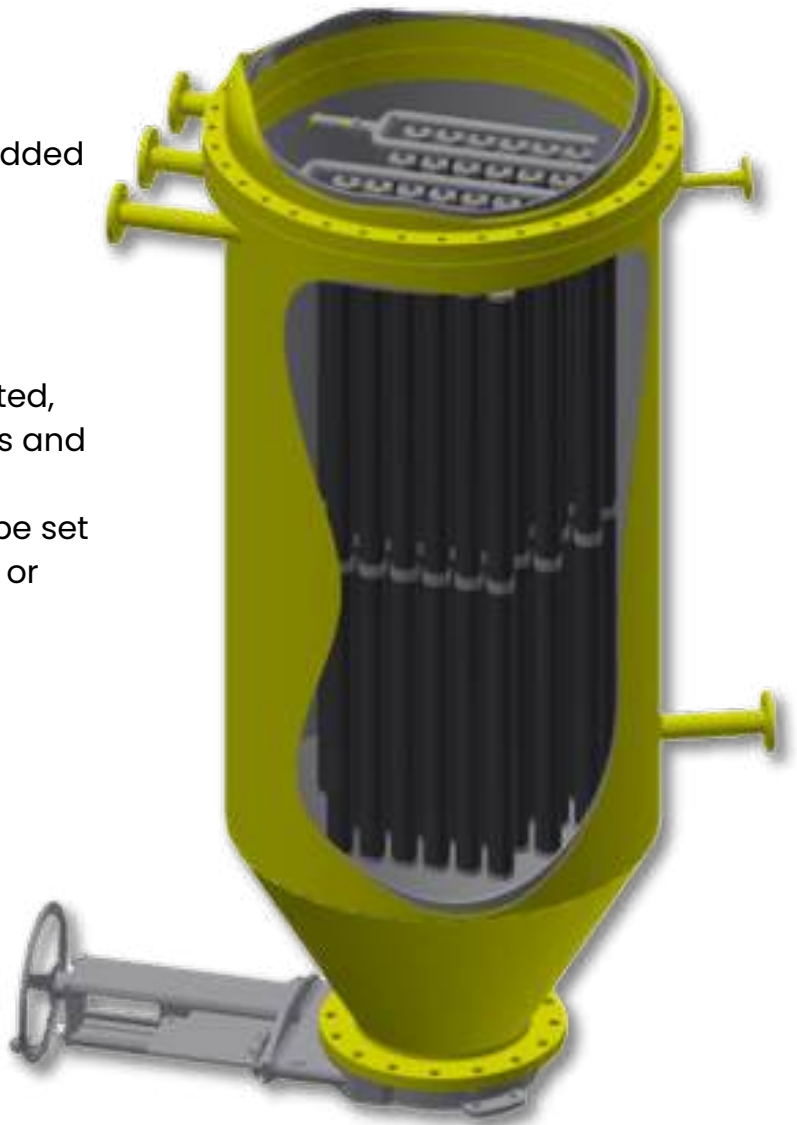
Operational Setups

Standalone Unit

As a stand-alone unit to be added to your existing plant set up.

Complete Skid

It can be supplied prefabricated, built in a skid, including valves and automation, precoating tank, pumps, and piping. This can be set up for either semi-automatic or fully-automatic operation.



Benefits

Practicality

Our filters provide an ideal solution for environmentally friendly filtration processes, delivering flawless results. With their advanced automation,

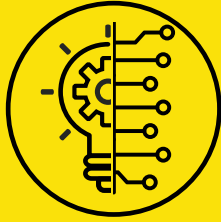
- consistent reproducibility, these filters can be seamlessly integrated into various production processes across the chemical, food, and pharmaceutical industries.



Automation: Reliable and Controllable

Our filters can be configured for either semi-automatic or fully automatic operation. High-quality, durable PLC systems ensure repeatable and dependable process control.

- The PLC system manages valve operations, monitors levels and pressure changes, and records key data. Additionally, the integration of a Human-Machine Interface (HMI) allows real-time monitoring and visualization of the filtration process on-screen, ensuring precision and ease of operation.



INNOVATION

We embrace new technologies to revolutionize filtration plants, ensuring our clients benefit from the latest advancements.



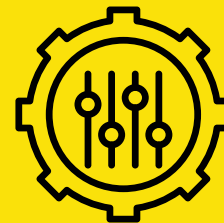
DEDICATION

We are committed to reducing production costs, improving quality, and enhancing safety and environmental performance for our clients worldwide.



EXPERIENCE

With over 50 years of combined experience in sulphur melting and filtration technology, we provide reliable solutions backed by a proven track record, ensuring excellence and trust in every project we undertake.



TAILOR MADE

We specialize in custom filtration systems tailored to each client's unique needs, ensuring optimal performance and seamless integration.

GET IN TOUCH TODAY

Sulphurnet offers an **all-in-one design package** that covers every stage of your project for sulphur processing plants, from the initial kick-off meeting to post-completion after-sales support.

We are dedicated to **more than just filtration systems**; our mission is to help customers worldwide **reduce** production costs, **enhance** product quality and yields, and **improve** Safety, Health, and Environmental performance.

Contact us:



www.sulphurnet.com



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**More than 150 clients in
more than 45 countries.**

**GET IT RIGHT THE
FIRST TIME**

