

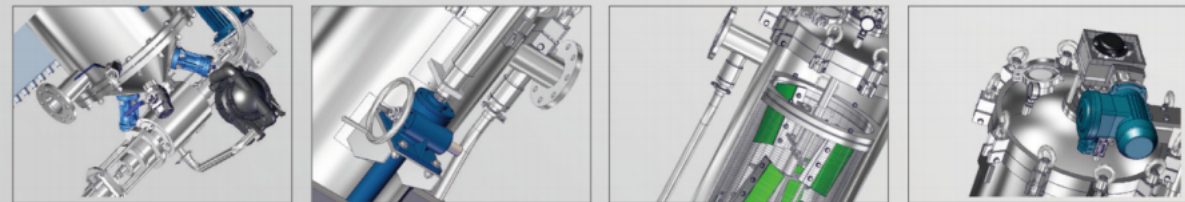


Filter automation enables the entire process to be automated for production.

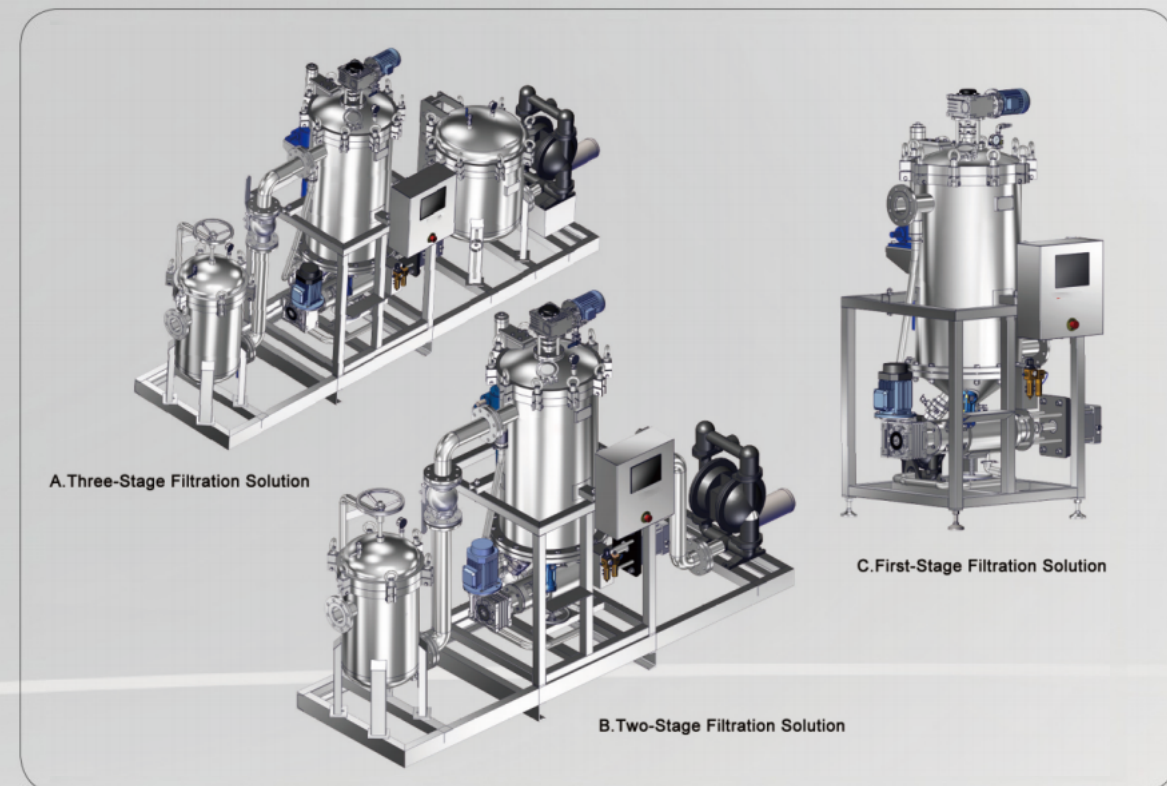
Filter automation is the key to achieving workshop efficient management, instilling greater confidence in major customers

4 Detailed Diagram of Local Functional Features

In Figures 1 and 3, we have multiple innovative design achievements



Three application solutions suitable for different scenarios
(Explosion-proof design available upon customer request)



5 FiltEdge: Revolutionizing High-Viscosity Liquid Filtration

Since its establishment, FiltEdge has been at the forefront of innovation in high-viscosity liquid filtration. With over a decade of expertise, our cutting-edge filtration solutions have been operational across various industries, delivering unmatched performance and reliability.

Over the years, we have tackled the most complex challenges in high-viscosity material filtration, helping our clients transition from traditional methods to fully automated systems. Our advanced filtration technology not only enhances production efficiency but also significantly reduces operational costs, ensuring higher profitability for our customers.

Today, FiltEdge stands as a leader in the field of high-viscosity liquid filtration, specializing in applications such as synthetic rubber latex, building emulsions, industrial coatings, and more. Our commitment to innovation, quality, and customer satisfaction has made us a trusted partner for businesses worldwide.

Choose FiltEdge – where cutting-edge technology meets exceptional performance, empowering your production processes and driving your success.

Key Benefits of FiltEdge' s High-Viscosity Filtration Solutions:

Fully Automated Systems: Streamline operations and reduce manual intervention.

Enhanced Efficiency: Achieve up to 40% higher filtration efficiency compared to traditional methods.

Cost Savings: Minimize waste and lower consumable costs.

Customizable Solutions: Tailored to meet the unique needs of your industry.

Sustainability: Reduce environmental impact with zero-waste filtration technology.

Join the revolution in high-viscosity liquid filtration with FiltEdge – your partner in innovation and excellence.

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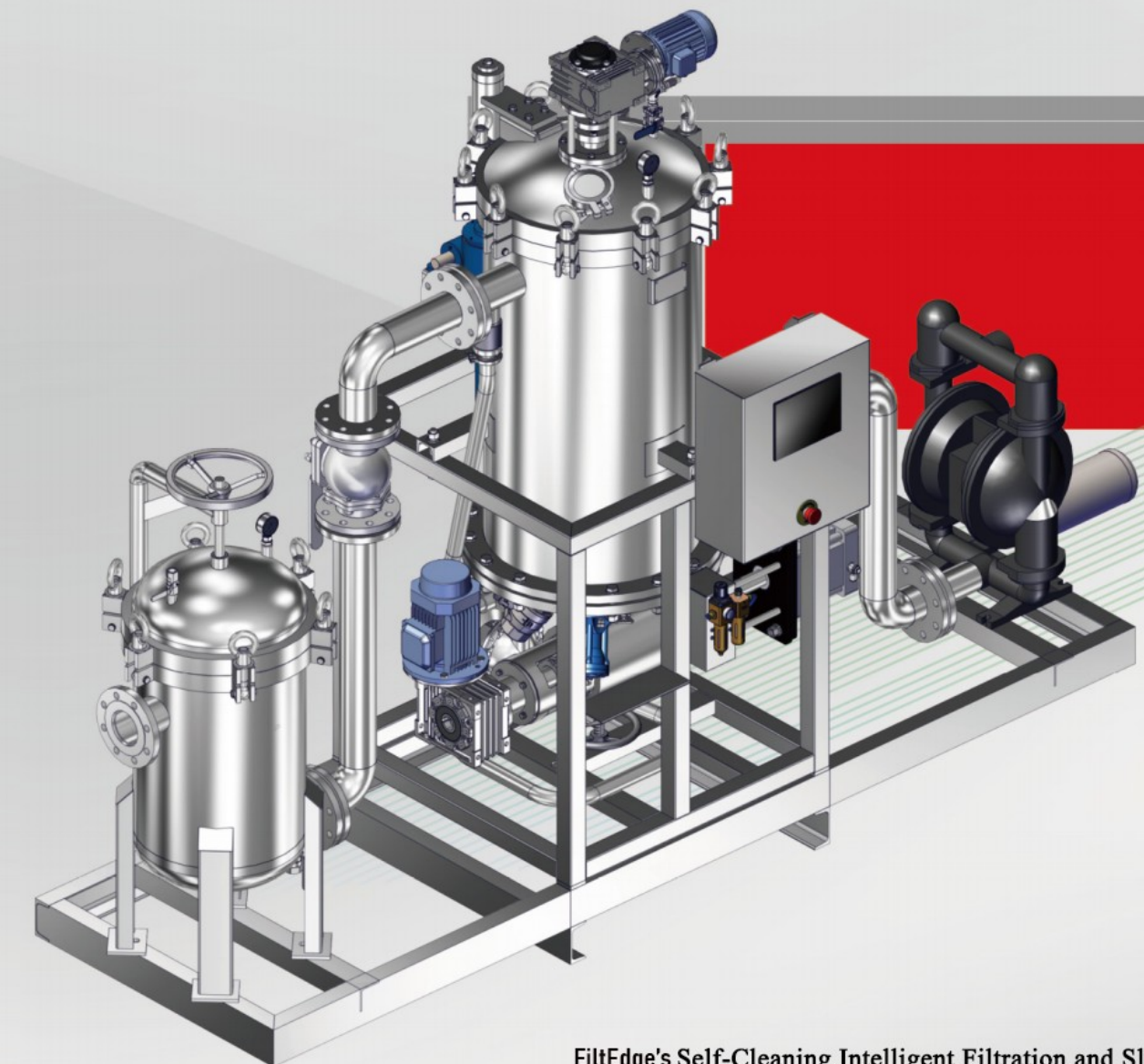
Helps you automate filtering

FiltEdge helps you achieve filtration automation and win more business opportunities.



FiltEdge - Simplifying Filtration Say Goodbye to Filtration Headaches

Synthetic Rubber Latex and Building Emulsion Filtration Automation Solution



FiltEdge's Self-Cleaning Intelligent Filtration and Slag Discharge System
FiltEdge LLC

1 Corporate profits Boosting Your Corporate Profits

Helping You Solve Filtration Automation Challenges, Substantially Increase Corporate Profits, and Realize the Dream of Full Process Automation

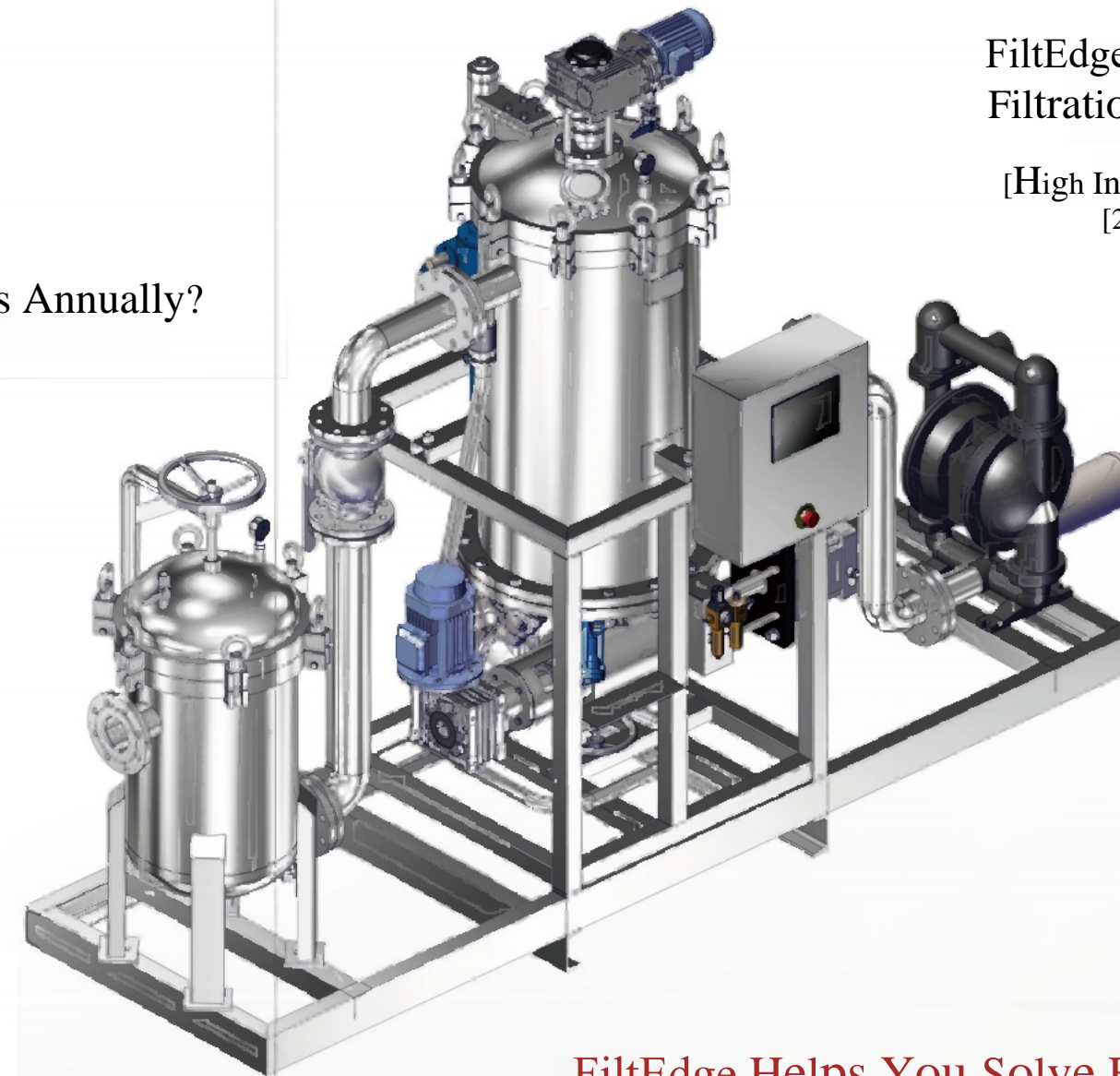
Have You Calculated How Much "One workstation" Wastes Annually?



- Filter Bag Consumable Costs: Approximately \$70,000 per year
- Filter Bag Processing Costs: Approximately \$140,000 per year
- Emulsion Loss during Filter Bag Replacement: Approximately \$60,000 per year
- Wastewater Treatment: Approximately \$30,000 per year
- Emulsion Regeneration Costs: Approximately \$60,000 per year
- Consumable Costs for Vibrating Screens: Approximately \$10,000 per year
- Labor Costs: Approximately \$50,000 per year

Total: ¥420,000. These costs represent the waste for just one workstation. How many workstations do you have? How much do you waste in a year? (The above data is based on customer reports.)

2 Product Quality Enhance Your Product Quality Unique Flexible Scraper Technology for Accurate Removal of Impurities in Various Liquids



FiltEdge Fully Automatic Intelligent Filtration and Slag Discharge System

[High Intelligence][Smooth and Efficient]
[24-Hour Self-Operation]

Product Introduction

FiltEdge's patented flexible scraper technology and a slag-liquid separation system, incorporating multiple innovative technologies, have revolutionized traditional methods of physically intercepting and discharging slag. By utilizing reverse screw extrusion technology, the system transforms liquid slag into dry slag. Intelligent control addresses challenges such as slag discharge and leakage during the filtration process, eliminating various forms of waste and contamination while significantly improving efficiency. This system replaces conventional bag filters and vibrating screens, thereby substantially reducing production costs.

Application Products: Styrene-butadiene rubber latex, butyl rubber latex, styrene-acrylic emulsion, butylbenzene emulsion, vinyl acetate emulsion, acrylic emulsion, elastomeric emulsion, cementitious emulsion, industrial paint emulsion, wood paint, and electric pulse paint.

FiltEdge Helps You Solve Filtration Challenges

Filter Efficiency Challenge

- ① Control and monitor multiple workstations online.
- ② Self-cleaning filter status with automatic screen cleaning.
- ③ 24-hour continuous automatic operation.

Workshop Management Challenge

- ① An efficient and clean 6S work environment.
- ② Improved efficiency, significantly reducing safety accidents.
- ③ Protecting employees' health, making it no longer a challenge to find personnel.

Environmental Emission Challenge

- ① Achieve "zero" pollution and "zero" emissions through filtration.
- ② No solid waste or garbage from filter fabric and bags.
- ③ Better compliance with national industry regulations.

3 Working Efficiency

A multi-point innovative slag discharge system and harmonious operation with PLC intelligent control

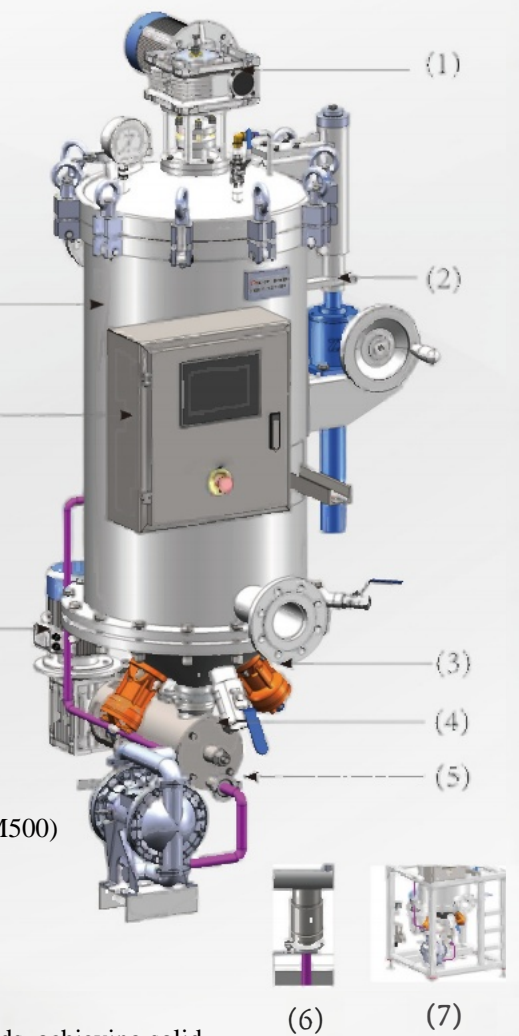
Three Major Main Modules Seven Major Sub-Modules

Filter Main Module
Slag Discharge Main Module
Control Main Module

- Drive Sub-Module (1)
- Lifting Sub-Module (2)
- Vibration Sub-Module (3)
- Online Heating Sub-Module (4)
- Recirculation Sub-Module (5)
- Magnetic Filtration Sub-Module (6)
- Assembly Sub-Module (7)

Key Technical Parameter

Viscosity Range: 0 to 6500 cps
Flow Rate Parameters: 3 to 8 m³/h (DFM273), 8 to 20 m³/h (DFM500)
Filtration Precision: 300 to 50 mesh (50 to 300 micrometers)
Voltage Parameters: 380V, 50Hz
Explosion-Proof Parameters: DIIBT4 or as specified
Filtration Area: 0.31 m² (DFM273), 0.82 m² (DFM500)
Scraper Speed: 12 r/min or variable frequency adjustable
Control Method: Automatically set based on process parameters
Filtration Efficiency: 40% higher than traditional filtration methods, achieving solid-liquid separation, with the discharged dry slag containing up to 20% moisture.



[High Intelligence][Smooth and Efficient]
[24 Hour Self-Operation]