

## Fuel Polishing System - Always Clean Fuel Always Safe Engines

Cost savings for charter companies.

### 1. Operational Assumptions (Example)

#### Fleet & Usage

- Number of boats: 10
- Operating hours per boat / year: ~150 hours
- Fuel type: Diesel
- Average fuel consumption: 6–10 liters/hour
- Average annual fuel use per boat: ~1,050–1,500 liters
- Total annual fuel use (fleet): ~10,500–15,000 liters
- Average diesel price: €1.70–2.00 per liter



GOF 800 turbine 2µm filter

### 2. Investment Cost – Fuel Cleaning System Per Boat

- Commercial marine fuel polishing system: €5,000–6,000
- Installation & materials: €500–1,500
- Total investment per boat: €5,500–7,500
- Fleet Total (10 boats)
- €55,000–75,000 one-time investment

### 3. Key Benefits & Annual Cost Savings

#### A) Reduced Maintenance & Repair Costs

- Removes water, sludge, bacteria, and particles
- Protects injectors, fuel pumps, and filters

Savings: €600–800 per boat / year

#### B) Reduced Fuel Consumption

Cleaner fuel leads to better combustion and efficiency.

- Estimated fuel savings: 3–6%
- Example: 1,200 L × €1.90 = €2,280/year

Savings: €70–140 savings per boat / year

#### C) Fewer Breakdowns & Downtime

- Fewer engine failures during charters
- Less lost revenue, refunds, and emergency service costs

Savings: €200–400 per boat / year

#### D) Lower Filter & Consumables Cost

- Longer filter life
- Fewer tank cleanings required

Savings: €100–300 per boat / year



GoFilter GmbH  
+49 (0) 176 415 22809 / +49 (0)  
162 400 6633  
[mail@gofilter.de](mailto:mail@gofilter.de)



## 4. Total Annual Savings Per Boat

<u>Category</u>	<u>Low</u>	<u>High</u>
<u>Maintenance &amp; repairs</u>	€600	€800
<u>Fuel savings</u>	€70	€140
<u>Reduced downtime</u>	€200	€400
<u>Filters &amp; materials</u>	€100	€300
<u>Total per boat / year</u>	€970	€1,640

## Fleet (10 Boats)

€9,700 – €16,400 per year



## 5. ROI – Return on Investment Conservative Scenario

Investment: €55,000

Annual savings: €9,700

- Payback period: ~5.5 years

## Optimistic Scenario

Investment: €75,000

Annual savings: €16,400

- Payback period: ~4.5 years



**Typical break-even: 3–5 years, followed by ongoing cost reduction.**

## 6. Additional Non-Monetary Benefits

- ✓ Higher reliability and safety at sea
- ✓ Fewer customer complaints and refunds
- ✓ Improved charter reputation & reviews
- ✓ Extended engine lifetime
- ✓ Better fuel stability during off-season storage
- ✓ Cleaner combustion and reduced emissions

## Conclusion

For a boat charter operation with 10 vessels, installing fuel cleaning systems:

- Reduces operating costs significantly
- Improves reliability and customer satisfaction
- Extends engine lifespan
- Pays for itself within a few years

GoFilter GmbH  
+49 (0) 176 415 22809 / +49 (0)  
162 400 6633  
[mail@gofilter.de](mailto:mail@gofilter.de)

