

**MATRIX
FILTRATION**

TOUGHNESS WITH **PRECISION GUARANTEED**



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 matrixfiltration.com



Company Profile

Matrix Filtration Private Limited is an ISO 16889:2008 certified company specializing in the design and manufacturing of Magnetic Filters, Hydraulic Oil Filtration Machines, Industrial Oil Filters, and advanced industrial filtration systems.

The company offers a comprehensive range of filtration solutions designed to meet the diverse requirements of industrial oil purification and contamination control.

All Matrix products are engineered with a strong focus on efficiency, durability, and reliability, ensuring superior performance even in the most demanding industrial environments. Through continuous innovation and precision engineering, Matrix Filtration delivers solutions that improve oil cleanliness, extend equipment life, and reduce maintenance costs for industries across multiple sectors.

Matrix Filtration India Pvt Ltd, founded in 2017 by R. Upadhyay, is a growing leader in the field of industrial oil filtration and analysis systems. Headquartered in Gurgaon, Haryana, India, the company is built on a strong foundation of engineering expertise and over a decade of hands-on industry experience.

Under the visionary leadership of R. Upadhyay, Matrix Filtration has developed advanced filtration solutions designed to improve oil cleanliness, enhance equipment reliability, and optimize industrial performance.

With ISO certification, the company demonstrates its commitment to maintaining high-quality standards, precision engineering, and reliable filtration solutions for industries across India.

8+

Years of experience

100+

Custom Systems Delivered

20+

Cities Served Across India

Research & Development

Inhouse R&D



Matrix Filtration prides itself on its state-of-the-art in-house research and development facility.

Custom Solutions



We understand that each client has unique requirements, and therefore, we specialize in custom-designing and manufacturing.

Service & Client Focus



Our dedication extends beyond the technical aspects of our products. We place a strong emphasis on meeting and exceeding all technical and after-sales service expectations of our clients.

Our Products

Hydraulic Oil Filtration Machine

■ Advanced Filtration for Maximum Efficiency

The **Matrix Hydraulic Oil Filtration Machine** is a semi-automated oil filtration system designed to remove **solid contaminants, moisture, carbon, and sludge** from industrial oils. It helps maintain optimal oil cleanliness, extends the service life of both oil and hydraulic equipment, **improves system efficiency, and enhances operational reliability while significantly reducing maintenance costs** in demanding industrial environments.



Why choose Matrix Hydraulic Oil Filtration Machine

- Prolongs equipment life by preventing wear-related failures.
- Reduces maintenance costs with efficient oil preservation.
- Boosts productivity by maintaining superior lubrication standards.
- Supports sustainability by enabling oil recycling and reuse.

■ Versatile Applications

This multi-purpose filtration machine effectively cleans and purifies:



Hydraulic Oil



Lube Oil



Gear Oil



Turbine Oil



Cutting Oil



Diesel-type fuels

Additionally, it functions as an Oil Flushing Machine, making it a valuable asset for industries requiring precise oil quality control.

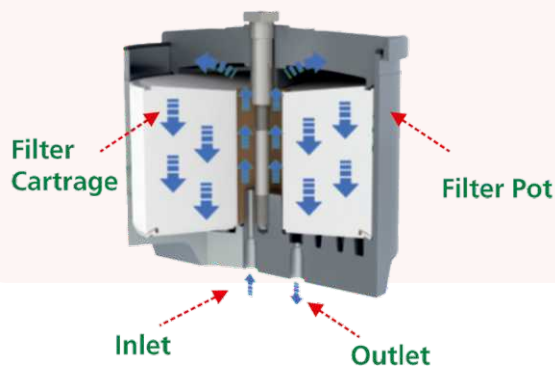
■ Operating Technology

Innovative In-Depth Media Filtration

Matrix Hydraulic Oil Filtration Machine utilizes a high-performance cellulose filter cartridge designed for continuous filtration. This cutting-edge system effectively absorbs free and dissolved water, removing up to 99.9% of contaminants through multi-layer filtration technology.

- **Carbon, wear metals, silicon, varnish, and oxidation residues** are extracted from the oil, significantly enhancing oil purity.
- **Continuous filtration minimizes catalyst aging**, extending oil life far beyond conventional limits.

Filtration Level & Industry Standards



- **Particle Removal Efficiency** - Less than 1 micron filtration for superior oil purity.
- **Water Content Reduction** – Moisture controlled below 500 PPM, preventing oxidation and sludge formation.
- **Viscosity Compatibility** – Handles 10 CST to 420 CST with NAS-1638 Class 6 levels of filtration.
- **Comprehensive Contaminant Removal** – Eliminates sludge, water, and solid particles, optimizing lubrication performance.

■ Industries We Serve



**Manufacturing
& Heavy
Machinery**



**Power Plants
& Turbine
Operations**



**Automotive &
Aerospace**



**Oil & Gas
Processing**



**Hydraulic
System
Maintenance**

■ Key Features & Advantages



- **Precision Filtration** - Removes contaminants down to less than 1 micron, ensuring oil cleanliness at NAS 6 or better.
- **Moisture Control** - Effectively reduces water content below 500 PPM, preventing corrosion and degradation.
- **Extended Oil Life** - Preserves oil properties, viscosity, and performance, minimizing replacement costs.
- **Failure Prevention** - Reduces bearing and servo valve failures caused by contamination buildup.
- **Enhanced Equipment Reliability** - Prevents premature wear, improving overall machine productivity.
- **Eco-Friendly & Sustainable** - Supports oil recycling, reducing waste and environmental impact.
- **Compatible with High-Viscosity Oils** - Works efficiently with viscosity grades up to 420 CST across multiple applications.

Technical Specifications

Model No.	No. of Filter cartridges	Tank Capacity	Water Retention (Per Cartridge)	Flow Rate (Per hour)	Viscosity Range	Electrical Motor		Dimensions
MFS		Up to - Liters	kg	LPH	LPH	HP	RPM	mm
MFS-1	1	2,500	1.25	600	10-420	0.5	1450	900 x 500 x 500
MFS-2	2	5,000	1.25	800	10-420	0.5	1450	900 x 500 x 500
MFS-4	4	10,000	1.25	1200	10-420	0.75	1450	900 x 750 x 750
MFS-6	6	15,000	1.25	1800	10-420	1.0	1450	900 x 750 x 750
MFS-8	8	20,000	1.25	2400	10-420	1.0	1450	900 x 1000 x 1000

All above data and technical specifications are subject to change based on specific application requirements and conditions.

Our Clients

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THANK YOU

Thank you for trusting Matrix Filtration India Pvt Ltd. We remain committed to precision, reliability, and delivering quality-driven solutions every time.



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