



Drumlins Nano Rod: FreeF H2O - Portable. Powerful. Pure.

Revolutionizing Water Purification with Advanced Nanotechnology

About Drumlins Water Technologies

Drumlins Water Technologies Pvt. Ltd. is a pioneering company in water purification, specializing in nanotechnology-driven solutions for safe and clean drinking water. Our patented fluoride removal technology ensures effective, sustainable, and cost-efficient solutions for households, industries, and communities.

Flouride contamination: Is Your Water Making You Sick?

- Fluoride in drinking water is silently harming millions.
- Over 60 million people in India are exposed to unsafe fluoride levels.
- Found mostly in Rajasthan, Gujarat, Andhra Pradesh, Karnataka, and other states.

The Health Impact:

- **Dental Fluorosis:** White or brown stains on teeth, common in children.
- **Skeletal Fluorosis:** Bone pain, joint stiffness, and mobility issues.
- **Other Risks:** Osteoporosis, thyroid dysfunction, and cognitive impairments.



A severe form dental fluorosis characterised with striated and horizontally deep brownish staining



Cases of severe skeletal fluorosis showing scissor-shaped legs (genu varum).

◆ Did You Know?

Long-term fluoride exposure can lead to crippling bone disorders and neurological damage!



Introducing Drumlins Nano-Rod: FreeF H2O - Portable. Powerful. Pure.

Drumlins Nano Rod is an innovative water purification material designed for efficient removal of fluoride and other contaminants.



Key Features:

- High Adsorption Capacity: Efficiently removes excess fluoride and maintains safe levels using smart sensor control
- Eco-friendly Technology: No electricity or water wastage.
- Easy Integration: Compatible with existing water purification system
- Long-lasting Performance: Durable, with scalable design for domestic to industrial use. Also adaptable for removing other heavy metals on request.

Scientific Excellence:

Developed using advanced nanomaterials, Drumlins Nano Rod leverages adsorption and catalytic processes to provide superior water purification.

Why Choose Drumlins Nano Rod?

- ✓ Sustainable: No brine discharge or harmful byproducts.
- ✓ Cost-effective: Low operational and maintenance costs.
- ✓ Versatile: Ideal for domestic, commercial, and industrial use.
- ✓ Proven Technology: Backed by extensive research and patented innovation.

Uses

It can be directly utilized in household water purification systems, community centers, schools, hospitals and municipal corporations. Ideal for drinking water, dental applications, and the tea industry where fluoride control is critical.

Competitive Advantages

- No water wastage for operations
 - Easy to maintain
 - Removes both bound & free fluoride
 - Portable and user friendly
 - Regeneration of utilized nanomaterials
- Removal & detection at the same time

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