

SAHARA INDUSTRY

SAFEGUARDING WATER QUALITY, COME RAIN OR SHINE

Monsoon season brings a familiar challenge: rising water contamination risks as heavy rains overwhelm drains and strain water infrastructure. Sahara Industry meets this moment with certified, advanced water treatment technologies built for reliability when conditions are difficult. Backed by strong engineering, dependable manufacturing, and responsive after-sales support, the company remains focused on safeguarding water quality across drinking water and industrial applications, while continuing to strengthen India's water security this season and beyond.

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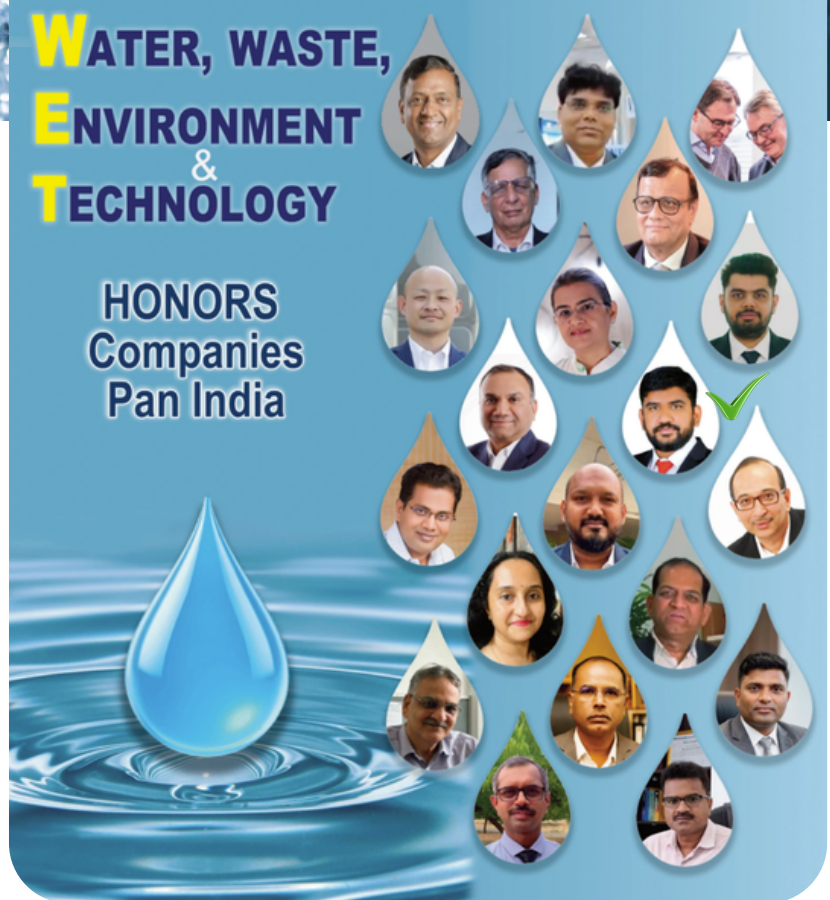
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SAHARA INDUSTRY
Innovation Beyond Your Imagination

Initiative by
I WORLD MEDIA PVT. LTD

Second Edition
Coffee Table Book - Endless Journey

WATER, WASTE, ENVIRONMENT & TECHNOLOGY

HONORS Companies Pan India



Coffe Table Book



www.saharaindustry.com

CLIMATE CHANGE IS RESHAPING THE WATER INDUSTRY...

Climate change is changing the way we use and manage water. Irregular rainfall, water scarcity, floods, droughts, and declining water quality are becoming more common. These challenges are affecting homes, industries, and communities, making efficient water management more important than ever.

The solution lies in adopting smarter water technologies. Advanced water treatment, recycling, and reuse systems help reduce dependence on freshwater while ensuring that every drop of water is used wisely. These technologies not only conserve water but also improve operational efficiency and support long-term sustainability.

At Sahara Industry, we are committed to helping people and industries meet these challenges with reliable and innovative water treatment solutions. From advanced filtration and reverse osmosis systems to wastewater recycling and water reuse technologies, our solutions enable customers to save water, reduce costs, and build more sustainable operations. As climate challenges continue to expand, the future belongs to organizations that invest in smart water treatment and management today.



“Water is one of our most precious resources, and protecting it is a shared responsibility. Climate change has made water management more challenging than ever, but it has also created opportunities to innovate and use water more responsibly. At Sahara Industry, we are committed to delivering reliable, efficient, and sustainable water treatment solutions that help industries and communities secure their water future. By embracing innovation, conservation, and responsible water use, we can build a more resilient tomorrow—where every drop counts and every solution makes a difference.”

Mohammed Abdul Rahman
CEO, Sahara Industry



PRODUCT INNOVATION

VACUUM BREAKER

Introducing the Droplet Vacuum Breaker from Sahara Industry, a smart safety solution engineered to protect your vessels from collapse due to negative pressure buildup.

Negative pressure can silently damage tanks and vessels over time, leading to costly failures and downtime. The Droplet Vacuum Breaker is built to prevent exactly that, offering dependable protection wherever pressure control matters most.

* Salient Features:

- **Sturdy, corrosion-resistant construction for long service life**
- **Simple, hassle-free installation that saves time on-site**
- **Low-maintenance design built for consistent, long-term performance**
- **Prevents backflow and vacuum-induced damage, protecting pipeline and equipment integrity**
- **Reliable performance across a wide range of pressure and temperature conditions**
- **Versatile use across water treatment plants, RO systems, chemical storage tanks, and similar applications**
- **Made in India for the world**



Whether you are safeguarding a treatment plant or a storage facility, the Droplet Vacuum Breaker delivers the reliability your systems need, so you can focus on operations, not on unexpected failures. **Built by Sahara Industry, engineered for safety.**

Precision-Engineered
Vacuum Breaker
Delivering Consistent
Protection Across
Demanding Industrial
Environments.

AVAILABLE MODELS

MODEL	SIZE	PART NO.
VB-100	1" (25 NB)	DP-VB-100
VB-150	1½" (40 NB)	DP-VB-150



THE RECOGNITION

EA Water Global Sustainability Innovation Award 2026

Sahara Industry has been honored with the EA Water Global Sustainability Innovation Award 2026 for "Excellence in Integrated Sustainable Smart Water Treatment Solutions".

The award was conferred by Shri Durga Shanker Mishra (IAS-Retd.), Former Chief Secretary, Govt. of Uttar Pradesh & Former Secretary, Ministry of Urban Development, in the gracious presence of Smt. Sulochana Das, Hon'ble Mayor of Bhubaneswar, and esteemed dignitaries.



“ Receiving the EA Water Global Sustainability Innovation Award 2026 for 'Excellence in Integrated Sustainable Smart Water Treatment Solutions' fuels our commitment to advancing innovative and sustainable water treatment technologies. ”

~ Mohammed Abdul Rahman



MAKING HEADLINES: SAHARA INDUSTRY IN THE **NEWS**

Sahara Industry continues to earn recognition from esteemed industry publications, reinforcing our position as a trusted partner in water treatment solutions. These features highlight our ongoing commitment to sustainability, innovation, and delivering effective technologies that help provide clean, safe, and reliable water for industries and communities worldwide.

Key Media Features:

The 2nd edition of the **Coffee Table Book** published by Tycoon Construction features a profile of Sahara Industry, highlighting our core principles, strategic vision, and commitment to driving innovation in water treatment technologies and solutions.

The feature also showcases the visionary leadership of our CEO, whose vision for sustainable growth, environmental stewardship, and smart water management continues to shape the company's journey towards creating a cleaner and more water-secure future.



IN DEPTH EVERY DROP MATTERS: TACKLING WATER LOSS

Abdul Rahman Mohammed, CEO, Sahara Industry



treatment costs, lost revenue, increased energy consumption, and unnecessary strain on water sources. For cities already operating under financial and resource constraints, unmanaged water loss can undermine long-term sustainability.

Why Water Loss Management Matters

Water loss is a major global challenge in the water sector. A huge amount of treated water is lost or not used due to leaks, theft, meter malfunctions, or unaccounted-for water. Estimates suggest nearly one-third of the world's drinking water never reaches users or generates revenue.

Approximately 126 billion cubic meters of water are lost globally each year, valued at USD 28-50 billion, with developing countries accounting for 40-50% of losses compared to 10-15% in developed nations. A conservative estimate places water loss in Asian countries at 20 billion cubic meters annually, costing nearly USD 10 billion. It is believed that cutting physical water losses in half could supply water to an additional 150 million people.

Water loss occurs in many forms: physical losses (leaks, bursts, and overflows from pipes, storage tanks, and service connections), while on the other hand, apparent losses occur when water is consumed but not measured or paid for, often due to faulty meters, data handling errors, or unaccounted-for consumption.

While some level of water loss is unavoidable in any complex distribution network, excessive losses represent wasted



the consumers. These figures underscore the immense financial toll of water utility wastefulness. Reducing losses not only protects revenue but also enhances operational efficiency, safeguards water resources, and boosts resilience for cities, utilities, industries and communities.

Measuring Water Loss

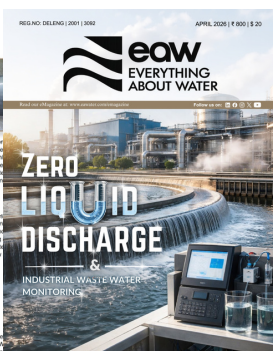
The first step in effective water loss management is accurate measurement. Utilities control what they do not understand. This begins with establishing water balance, which accounts for all water entering the system and compares that to what is lost.

A standard water balance identifies:

- System total volume
- Authorized billed consumption
- Authorized unbilled consumption
- Apparent losses
- Real losses

Based on this analysis, utilities track key indicators like Non-Revenue Water (NRW) levels and leakage performance. While a single measure gives a complete picture, regular monitoring helps utilities understand trends, compare performance, and focus on the areas that need attention.

With technologies such as Advanced Metering Infrastructure (AMI), District Metered Areas (DMA), and pressure



The April 2026 edition of **Everything About Water**, published an article on Water Loss Management by our CEO, Mohammed Abdul Rahman, that discusses the growing importance of smart technologies, AI-driven monitoring, sustainable water treatment systems, and proactive infrastructure management in addressing global water challenges and ensuring efficient utilization of every drop of water.

Water loss is a major global challenge and nearly one-third of the world's treated drinking water never reaches a tap or generates revenue for the utilities.



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GLIMPSES FROM WATER EXPOSITIONS

Sahara Industry actively participated in leading water expositions and industry events to showcase its innovative water treatment solutions, connect with industry professionals, and stay at the forefront of emerging technologies. These platforms provided valuable opportunities to exchange knowledge, strengthen partnerships, and demonstrate the company's commitment to advancing sustainable water management practices.



Water Expo Pune, April 2026



Water Expo Chennai, January 2026



IFAT Delhi, April 2026



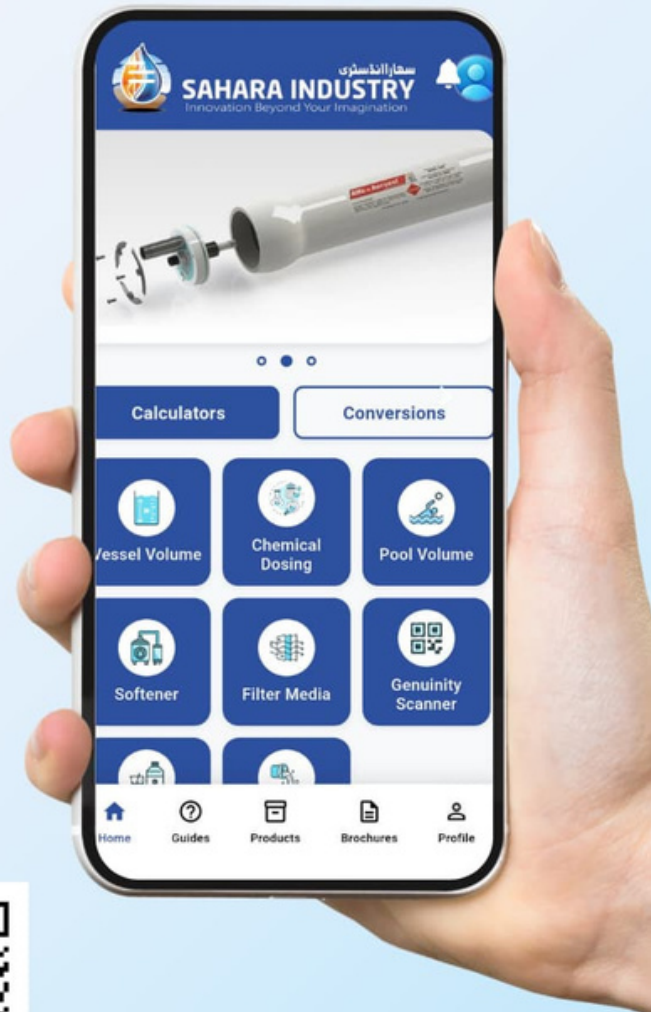
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Knowledge Sharing Mobile App, UBUNTU
Revolutionizing Water Industry



Free App for Water Treatment Professional

One app, endless water treatment solutions, calculators, learning, and authenticity.



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