



(A Division of Vipul Organics Limited)

Making Membranes in India For the World





About Adimem

ADIMEM is the membrane manufacturing division of **Vipul Organics Limited**, dedicated to developing advanced membrane technologies for water and wastewater treatment. Building on membrane research initiated by Vipul Organics Limited in 2017, ADIMEM has evolved into a fully integrated manufacturer of high-performance membrane products and systems.

From its state-of-the-art manufacturing facility at Saykha, Gujarat. ADIMEM designs, develops, and manufactures **Microfiltration (MF), Ultrafiltration (UF), Nanofiltration (NF), Reverse Osmosis (RO) and Membrane Bioreactor (MBR) solutions for industrial, municipal, and process water applications.**

Guided by our philosophy,
"Making Membranes in India for the World,"
we combine innovation, engineering excellence, and manufacturing expertise to deliver reliable, sustainable, and application-driven membrane solutions that help customers achieve superior treatment performance and long-term operational reliability

Actual Image of Adimem's Manufacturing Line



World-class, Locally Crafted

We fuse the strength of domestic manufacturing with uncompromising global quality standards, delivering solutions that resonate worldwide



Customer-Driven

Innovation Your challenges are our blueprint. We craft customized solutions, precisely tailored to your industry's unique and evolving needs



Technology for Sustainability

Our membranes are engineered to conserve vital resources & exceed environmental compliance, making sustainability an operational reality

Redefining Membrane Technology

RPTx™ (Reverse Phase Transition)

Adimem Technologies has redefined membrane manufacturing through its **“Reverse Phase Transition (RPTx™) Technology”**, a blend of NIPS and TIPS techniques that enables precise control over phase inversion kinetics. Membranes manufactured using RPT Technology offer controlled pore-size distribution, high permeate flux, strong mechanical performance and efficient filtration and separation. These characteristics make them suitable for a wide range of water, wastewater, process-liquid and industrial separation applications



POLYMER SOLUTION

Homogeneous polymer solution is prepared with precisely selected solvents and additives



PRECISE CASTING

The solution is cast as a uniform thin film with tight control of thickness



RPT PHASE TRANSITION

A blend of non-solvent and thermal triggers phase transition in a controlled manner



PORE FORMATION

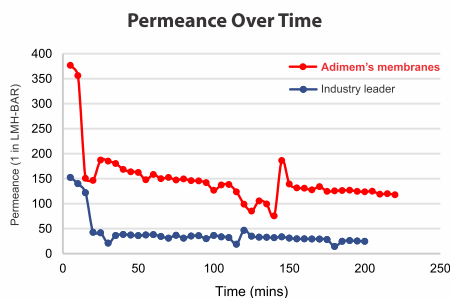
Interconnected, uniform pores are formed throughout the membrane matrix



MEMBRANE FORMED

The membrane is conditioned for enhanced stability, strength and performance

Membrane Filtration of Storm Water



Storm Water

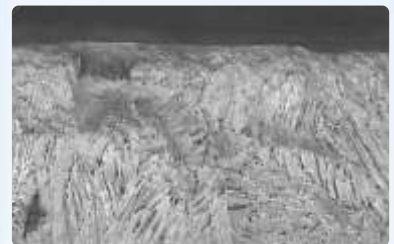
Raw Water



Filtered Water



Membrane Structure (Cross-Section)



Structure Benefits



Highly interconnected pores



Uniform pore size distribution



High surface porosity



Strong mechanical structure



Low fouling & easy cleaning

Key Advantages



Higher Flux

Optimized pore structure provides higher permeability and productivity



Enhanced Durability

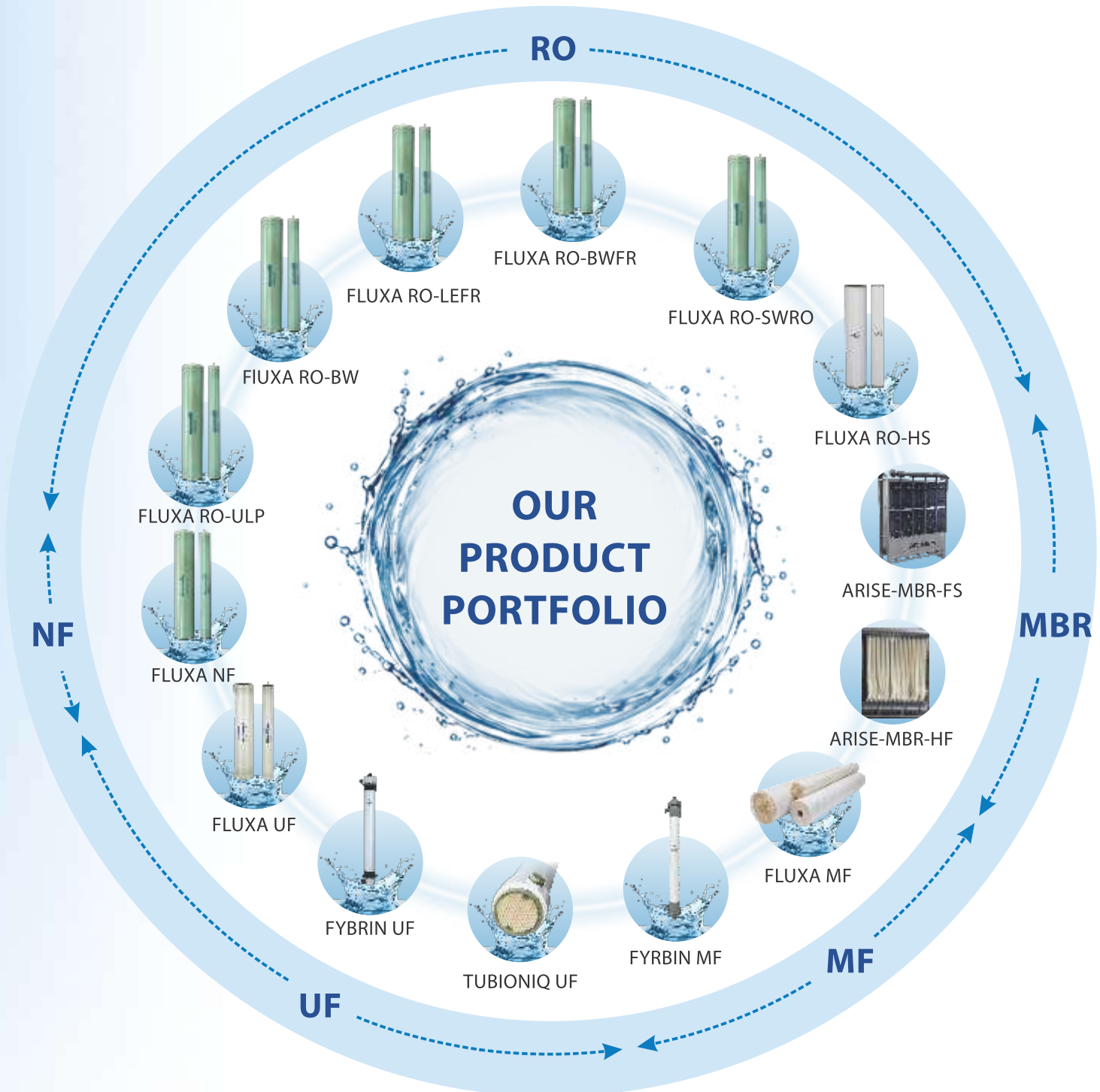
Stronger membrane matrix withstands tough operating conditions



Lower operating Cost

Lower pressure operation, reduced chemical use and longer membrane life

Adimem product line includes full range of state-of-the-art membrane manufacture under ISO 9001 certification



Adimem's FlowSkid™



Microfiltration

FLUXA™ MF series

Model	Material	Pore Size	Size	Outer Wrap
AMT-FLUXA™-MF-PVDF	PVDF	0.1, 0.2 or 0.45 µm	8040/4040	Sanitary / FRP

Applications: Food & Beverage Processing, Dairy Industries, Biotechnology & Pharmaceuticals

FYBRIN™ MF series

Model	Material	Flow Direction	Pore Size	Membrane Area
AMT-FYBRIN™-MF-PVDF	PVDF	Out-to-in	0.10 µm	50m ²

Applications: Industrial Wastewater Treatment, Municipal Water Treatment, Seawater Pretreatment



Ultrafiltration

FLUXA™ UF Series

Model	Material	MWCO	Size	Outer Wrap
AMT-FLUXA™-UF-PVDF	PVDF	100 kDa, 300 kDa	8040/4040	Sanitary / FRP
AMT-FLUXA™-UF-PES	PES	2, 4, 6, 10, 20, 65kDa	8040/4040	Sanitary / FRP

Applications: Dairy Clarification, Protein Concentration, Biotech & Pharmaceutical Separations



FYBRIN™ UF Series

Model	Material	Flow Direction	Pore Size	Membrane Area
AMT-FYBRIN™-UF-PVDF-003	PVDF	Out-to-In	0.03 µm	52 m ² / 77 m ²
AMT-FYBRIN™-UF-PES-002	PES	In-to-Out	0.02 µm	50 m ²

Applications: Ro Pretreatment, Food & Beverage Process Water, Pharma Process Water



TUBIONIQ™ UF Series

Model	Material	Pore Size	Module Size
TUBIONIQ™-UF-PVDF-003	PVDF	0.03 µm	8",10"

Applications: Oil-water Separation, Chemical Wastewater Treatment, Paint Recovery, High-solid & Viscous Filtration



Reverse Osmosis

FLUXA™ RO Series

FLUXA™ RO CORE

Dependable Performance → Exceptional Value

Designed for customers seeking dependable membrane performance with an excellent balance of quality, consistency and value.

FLUXA™ RO CORE delivers reliable operation through a standardized product platform for everyday industrial and municipal water treatment applications

FLUXA™ RO PRO

Premium Performance → Maximum Confidence

Designed for customers who demand the highest levels of membrane performance, operational confidence and advanced membrane technologies.

FLUXA™ RO PRO is engineered to maximize long-term system performance and process reliability

When Performance Matters Most

Choose **FLUXA™ RO PRO** when your objective is to achieve:

- Specialized membrane technologies
- Enhanced operational confidence
- Optimized long-term performance
- Premium engineering & technical support
- Designed for customers where reliability matters most



Product	Model	Permeate Flow (GPD)	Nominal Salt Rejection
FLUXA™ RO CORE SERIES	FLUXA™ RO-ULP-8040	12,500	99.0%
	FLUXA™ RO-ULP-4040	2,400	99.0%
	FLUXA™ RO-BW-8040	11,000	99.6%
	FLUXA™ RO-BW-4040	2,200	99.6%
FLUXA™ RO PRO SERIES	FLUXA™ RO-LEFR-8040	12,000	99.5%
	FLUXA™ RO-LEFR-4040	2,100	99.5%
	FLUXA™ RO-BWFR-8040	10,500	99.6%
	FLUXA™ RO-BWFR-4040	2,000	99.6%
	FLUXA™ RO-BWFR-8040HR	9,500	99.7%
	FLUXA™ RO-SW-8040XLE	7,500	99.7%
	FLUXA™ RO-SW-8040HR	6,000	99.85%
HEAT SANITISABLE SERIES	AMT-FLUXA™ RO-HS-8040	9,000	99.88%
	AMT-FLUXA™ RO-HS-4040	1,950	99.7%

Applications: Drinking Water Treatment, Semiconductor Process Water, Desalination Plant

Nanofiltration

FLUXA™ NF Series

Model	NaCl Rejection	MgSO4 Rejection	Size	Outer Wrap
AMT-FLUXA™-NF-30	30-50%	96%	8040/4040	Sanitary / FRP
AMT-FLUXA™-NF-60	50-70%	96%	8040/4040	Sanitary / FRP
AMT-FLUXA™-NF-90	>85%	98%	8040/4040	Sanitary / FRP



Applications: Water Softening, Pre-treatment For Ro, Dye Concentration & Recovery, Sugar And Lactose Concentration

Adimem's FlowSkid™

Membranes + Engineering → Reliable Performance

ADIMEM goes beyond membrane supply. Our application engineering team provides detailed RO & NF membrane projections and design support, helping optimize membrane selection, recovery, flux, staging, operating pressure and overall membrane performance.

For applications requiring an engineered membrane package, FlowSkid™ combines ADIMEM's in-house manufactured membranes with application-specific engineering, hydraulics, instrumentation and controls in a compact, ready-to-integrate platform - suitable for standalone applications or integration into larger water and wastewater treatment systems.



Application Engineering



Detailed RO & NF membrane projections



Membrane selection, array & staging optimization



Recovery, flux, pressure & energy optimization



Scaling and concentrate analysis



Application-specific hydraulic design

FlowSkid™ Platform

Modular Construction | ADIMEM Membranes | Pumps & Dosing | Instrumentation | PLC/HMI Controls CIP/Backwash

Applications:

• RO/NF/UF Systems • Process Water • Industrial Water Reuse ETP Polishing • High-recovery RO Specialized Separations • Pilot Systems

Membrane Bioreactor

ARISE™ MBR Hollow Fiber Membrane

Model	Pore Size	Configuration	Membrane Area
AMT-ARISE™-MBR-HF010	0.1 µm	Reinforced Hollow Fibre Module	15 m ² , 20 m ² , 40 m ²
AMT-ARISE™-MBR-HF030	0.03 µm	Reinforced Hollow Fibre Module	15 m ² , 20 m ² , 40 m ²

Key Features :



Low energy
pulse aeration



High
mechanical
durability



Hydrophilic
modification –
Low fouling



Long
operational
life



ARISE™ MBR Flat Sheet Membrane

Model	Pore Size	Configuration
AMT-ARISE™-MBR-FS010	0.1 µm	Submerged Flat Sheet
AMT-ARISE™-MBR-FS030	0.03 µm	Submerged Flat Sheet

Key Features :



Easy
maintenance
and modular
scalability



Robust flat
sheet for
load variability



Hydrophilic
modification to
enhance fouling
resistance



Back
washable



Applications:

- Small communities & housing clusters Sewage treatment
- Military camps, Recycling greywater and blackwater for toilet flushing and cooling towers
- Landfill leachates treatment

ARISEBox™

Packaged STP → Powered by ADIMEM ARISE™ MBR Technology

ARISEBox™ is ADIMEM's compact, modular sewage treatment platform built around our in-house manufactured ARISE™ MBR membranes.

Combining biological treatment with advanced membrane filtration, ARISEBox™ delivers consistently high-quality treated water suitable for reuse, while reducing plant footprint and eliminating the need for a conventional secondary clarifier.

Designed as a standardized, modular MBR platform, ARISEBox™ can be deployed as a standalone packaged STP or integrated by OEM and EPC partners into larger wastewater treatment solutions.



Key Features :



**In-house
ARISE™ MBR
Membranes**
Hollow Fiber &
Flat Sheet
technologies



**Compact &
Modular Design**
Above-ground,
underground &
containerized
configurations



**High-Quality
Reuse Water**
Consistent
treated-water
quality for reuse
applications



**Reduced
Footprint**
No conventional
secondary
clarifier required



**Quick
Deployment**
Factory-engineered
for simplified
installation
& commissioning



**Automated
Operation**
PLC-based controls
with automatic
backwash & CEB

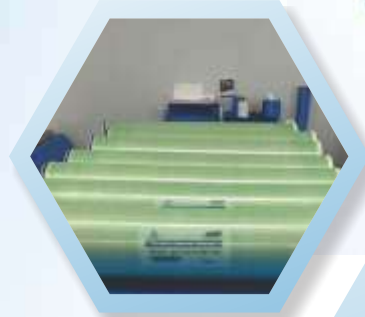


**Flexible
Integration**
Standalone
deployment or
integration into
OEM/EPC solutions

Applications:

• Residential & Commercial Developments • Hotels & Institutions • Industrial Facilities • Decentralized Sewage Treatment • Water Reuse Applications

Our Manufacturing Unit



Engineered. Installed. Proven.

Membrane solutions delivering performance across industries and geographies.



100+

Membrane Installations

Across India & International Markets

PAN-INDIA PRESENCE



GLOBAL FOOTPRINT



FLAGSHIP INSTALLATIONS

OMAN
SEAWATER DESALINATION

2,000

 m³/day

FLUXA™ RO

High-rejection seawater RO for reliable fresh water production.



RIYADH
SAUDI ARABIA

900

 m³/day

**FYBRIN™ UF
FLUXA™ RO**

Food Processing
Process Water



AHMEDABAD
INDIA

800

 m³/day

**FYBRIN™ UF
FLUXA™ RO**

Textile
Water Reuse



MUMBAI
INDIA

800

 m³/day

ARISE™ MBR

Hospitality
STP Water Reuse



KANDLA
INDIA

450

 m³/day

FLUXA™ MF

Edible Oil
Wastewater Pretreatment



SURAT
INDIA

250

 m³/day

FLUXA™ NF

Textile
Dyehouse Water Recovery



Where Adimem™ Fits



Municipal Water Treatment



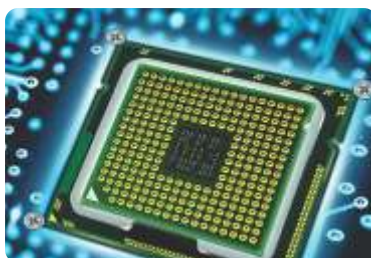
Industrial Process



Food & Beverages Industry



Power Generation



Semiconductors & Microelectronics



Pharmaceutical & Healthcare

What set's us apart



Proprietary Technology

Proprietary RPT Technology, developed in-house for advanced membrane manufacturing



Research & Development

Dedicated in-house research and development focused on advancing membrane technology, performance, and innovation



Quality Assurance

Product-focused quality control ensures efficacy, consistent performance, and long-term reliability



Customer Support

Dedicated customer support providing prompt technical assistance, application guidance, and reliable after-sales service



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