

OXYDES P[®]

THE FUTURE
OF RO
MEMBRANE
CLEANING

ADVANCED MEMBRANE REGENERATION TECHNOLOGY
POWERED BY MICROBUBBLES & ADVANCED OXIDATION

TARGETS ALL FOULANTS

-  **BIOFILM**
-  **ORGANIC FOULING**
-  **IRON DEPOSITS**
-  **MANGANESE DEPOSITS**
-  **COLLOIDAL FOULING**
-  **CLAY & SILT**
-  **BIOLOGICAL GROWTH**
-  **SLIME LAYERS**



**WHY REPLACE MEMBRANES?
REGENERATE THEM.**

RESTORE PERFORMANCE

-  **HIGHER FLUX**
-  **LOWER PRESSURE DROP**
-  **BETTER SALT REJECTION**
-  **LONGER MEMBRANE LIFE**
-  **REDUCED CIP COST**

THE POWER OF MICROBUBBLES

- ✓ Millions of microbubbles create intense agitation
- ✓ Penetrates deep into fouling layers
- ✓ Dislodges and lifts deposits
- ✓ Enhances cleaner performance
- ✓ Reduces cleaning time
- ✓ Improves membrane recovery



VENTURI MICROBUBBLE GENERATOR




HOW IT WORKS

-  **STEP 1**
OXYDES P[®] Cleaning Solution
- ↓
-  **STEP 2**
Microbubble Generation
- ↓
-  **STEP 3**
Bubble Penetration
- ↓
-  **STEP 4**
Deposit Detachment
- ↓
-  **STEP 5**
Membrane Regeneration

ENHANCED BY

OXYDES P[®]
ADVANCED OXIDATION POWER

Breaks down organic matter, destroys biofilm, removes color & odor causing compounds and restores membranes to like-new performance.



MILLIONS OF MICROBUBBLES
ONE MISSION
RESTORE PERFORMANCE

-  **FASTER CLEANING**
-  **LOWER OPERATING COSTS**
-  **EXTENDED MEMBRANE LIFE**
-  **MAXIMUM PLANT EFFICIENCY**

IDEAL FOR

-  INDUSTRIAL RO PLANTS
-  SEAWATER DESALINATION
-  WATER REUSE SYSTEMS
-  MUNICIPAL WATER TREATMENT
-  PROCESS WATER
-  DRINKING WATER PRODUCTION

THE POWER TO REGENERATE

WATCH WATER[®] GmbH
Fahrlachstraße 14, 68165 Mannheim, Germany
Telephone : +49 621 879510
Email : info@watchwater.de
www.watchwater.de