

RO WATER TREATMENT CHEMICAL

RO Equipment and Solutions:

Reverse Osmosis Components and Systems

Looking for RO Water Treatment Chemical Dealers in Rajasthan? Choose NB Mercantile, one of the best Nalco Ro Water Treatment Chemical Authorized distributors in Rajasthan. Nalco Water provides standard RO equipment producing between 1 to 120 GPM water. A complete RO Solution includes pre-treatment modules, which may include activated carbon, cartridge, multi-media, greens and filters, and/or activated carbon pre-filtration, softeners, and/or chemical feed systems.

Our Service RO offering leverages Nalco Water's 3D TRASAR capabilities to remotely monitor operation and performance, insuring a reliable supply of water and minimizing unscheduled downtime.

Mechanical

we survey the mechanical design and limits of your membrane system to understand system capability

Operational

We study and recommend ways to improve effectiveness and efficiency.

Chemical

we survey your membrane systems water and chemical requirements, to help us predict and prevent problems.

Our Smart software analysis tool combines the numerous components of our MOC Survey, Including your current operating conditions and water analyses, to select the best option for scaling protections and optimum plant operating conditions

permaCare Membrane Solutions

An Effective Anti-scaling program can improve permeate quality and production, enhancing system performance while reducing energy and water costs. A regular Maintenance and cleaning program can provide you with substantial returns by ensuring low pump output

pressures, and extended membrane life. The Majority of permaCare solutions are NSF/ANSI Standard 60 approved. All Our Programs are tested and compatible with current membrane standards. Our Range includes:

RO pre-treatment Chemicals:

- Primary oxidizing biocide
- Chlorine scavenger
- Chlorine tablet with dosing feeder

RO Antiscalant:

- Meeting the regular demands of most water qualities.
- Moderate scaling
- Moderate to high scaling
- Protection against high level of iron and silica
- High sulphate
- NSF approved

Membrane Cleaners:

- cleaners specific to the type of scaling or fouling on the membrane
- acid and alkaline cleaners
- acid insoluble scale
- organic matter
- organic / colloidal matter
- iron fouling
- organic debris and biofouling
- NSF approved

Microbial biocides:

- non- oxidizing biocide
- controls a wide spectrum of micro-organism
- Against biofouling, microbial growth
- NSF approved

3D TRASAR™ Technology for Membranes

We've pushed far beyond traditional performance boundaries to help you maximize your Reverse Osmosis production while minimizing your environmental footprint with the 3D TRASAR™ Technology for Membranes. This integrated solution is comprised of a flexible on-site control platform and our remote System Assurance Center designed to leverage Nalco Water's best automation and treatment programs to provide measurable results that improve your bottom line

Detects and monitors critical operating parameters in real time, allowing you instant access to system information anytime, anywhere.

Determines and executes the correct response to dynamic system changes as they occur

Delivers operational and economic benefits 24/7/365 for unprecedented environmental return on investment (eROI)

- Minimizes waste and water use through improved recovery
- Saves energy by maximizing throughput and minimizing downtime
- Proactively addresses a variety of water quality challenges to maximize your process and product quality
- Minimizes maintenance costs by control and optimization of the treatment program and potentially increasing membrane life by reducing cleaning frequency.
- Reduces risk of accidental chlorine damage to membranes by continually monitoring changes in ORP and responding to accidental spikes.
- Collects operational data for RO system performance analysis

Your Goals are our Goals

Working Towards your goals, Nalco Delivers all the benefits of dealing with one single source for your membrane solutions: integrated chemicals, Monitoring and control equipment, and services. our ultimate goal is to provide total solutions with maximum performance and cost effectiveness. We help You:

- Reduce the frequency of membrane replacements
- Allow on-Line optimization and control of the anti-scalant Used.
- Improve membrane performance and reduce shutdown frequency
- Improve the energy efficiency the cost Effectiveness of your Membrane operation