



NANOMAX™ SPOT FREE RO TREATMENT DISTRIBUTOR INFORMATION

Dose (w/Shaft): 1:150,000

Dose (w/o Shaft): 1:20,000

Equipment for Continuous Deployment:

- CRS Shaft on Feedline to RO Machine (Refer to RO Sizing Guide)
- Chemical Delivery: Axeon XP4 –25 or low dose pump of your choice

Spot Free Water per Car: 5 gallons

NanoMax™/Car: .1262mL

Dosing: For 480 car/day wash use a .2GPD (92% water/8% NanoMax™ mixture) constant feed into the RO holding tank

Trial Option:

Customers can trial NanoMax™ to evaluate its ability to improve spot-free drying when added to RO permeate before purchasing system. NanoMax™ should be dosed the night before a trial because it takes several hours to generate nanobubbles.

Important: When NanoMax™ is added directly to untreated RO permeate, the required dosage is approximately 7.5 times higher than when the water has first been pre-conditioned using the SHAFT™ Nanobubble Generator. Pre-conditioning with the SHAFT™ significantly reduces the amount of NanoMax™ needed to achieve the same drying performance.

Trial RO Permeate Dosing (without Shaft conditioned water, aim for 1:20,000):

Size of RO Holding Tank	Amount of NanoMax™ Concentrate
300 gallon	60ml
500 gallon	100ml
750 gallon	150ml
1,000 gallon	200ml



NanoMax Spot Free RO Treatment Customer Information

SHAFT™ on the RO Feedline (Necessary Pre-Conditioning for NanoMax™):

- **Protects RO Membranes:** Nanobubble-infused feed water reduces scale and biofilm adhesion on RO membranes, extending membrane life and lowering maintenance costs.
- **Improves Reject Water Quality:** RO reject water also contains nanobubbles, helping reduce algae and biofilm growth in bays and reclaim systems while improving rinse water quality.

NanoMax™

- **Replaces Traditional Drying Agents:** NanoMax™ eliminates the need for a separate drying agent—one of the most challenging chemicals for reclaim systems—simplifying operations and reducing system stress.
- **Delivers a Drier, Shinier Vehicle:** Improves spot-free performance by reducing residual impurities, resulting in faster perceived drying, fewer spots, and improved gloss.
- **Supports Reclaim Performance:** Unlike conventional drying agents, NanoMax™ enhances reclaim efficiency. For maximum reclaim benefits, NanoMax™ Reclaim Booster can be added directly to the reclaim system.

Metrics for Success: NanoMax™ treatment should produce a measurable increase in Oxidation-Reduction Potential (ORP) upon nanobubble generation. As a guideline, ORP is expected to increase by approximately 100 mV or more compared to untreated RO permeate. After treatment, RO water should typically measure ≥ 250 mV ORP under consistent test conditions.

ORP should be used as a relative performance indicator (before vs. after treatment), not as an absolute water quality standard.

NanoMax™ treatment also increases electrical conductivity. As a result, conductivity-based TDS meters may display a higher calculated “TDS” value after treatment. This reflects changes in conductivity and does not indicate an increase in dissolved solids mass.

Improvements in Total Suspended Solids (TSS) and turbidity may also be observed following NanoMax™ treatment.