



## atA-Z60-RO/NF Membrane Cleaning Compound



### FEATURES AND ADVANTAGES

atA-Z60 is a liquid formulation designed for use as a low pH cleaner of polyamide thin film composite membrane surfaces.

atA-Z60 removes inorganic carbonate, phosphate and sulfate sealants as well as metal oxides.

atA-Z60 contains a synergistic blend of cleaners and scale removal agents for a thorough cleaning of the membrane.

atA-Z60 will remove certain inorganic precipitants that cannot be removed through the use of citric or hydrochloric acid.

atA-Z60 may eliminate the need for repeat cleanings in cases of severe scaling.

atA-Z60 is compatible with all Thin Film Composite R.O. Membranes from all major membrane suppliers.

### TYPICAL PROPERTIES

Appearance.....Clear, Colorless to Light Yellow Liquid

Odor.....Slight Characteristic Odor

pH (as is) @25 °C.....≤2

Water Solubility.....Completely Soluble

### CHEMICAL FEEDING AND CONTROL

The cleaning solution should be prepared using potable water that is free of residual chlorine or other oxidizing agents. Add 2 Gal of atA-Z60 to every 100 gal of water (2% solution). Adjust the pH in the range 2-3. Recirculate the cleaning solution throughout the system, after redirecting the first 20% of the solution to drain. Do not exceed pressures, temperatures and flow rates recommended by the membrane manufacturer. Cleaning efficacy can be further improved by heating the cleaning solution and alternately circulating the solution for 15 minutes and then soaking the membranes for 15 minutes. This should be repeated as many times as necessary. pH range should be monitored periodically throughout the cleaning. When pH increases above the desired range, it should be adjusted by adding more atA-Z60.

### SAFETY AND HANDLING

Store in a cool, dry and well ventilated area. Keep containers closed. Wash contaminated clothes before re-use. Wash thoroughly after handling. Please see MSDS for more details.

### PACKAGING

atA-Z60 is packaged in 25 KG non-returnable plastic drums.



## atA-Z60-反渗透/纳滤膜清洗剂



### 优点

atA-Z60 是一种高效的标准液体组分，可用作聚酰胺复合型膜低 pH 值的清洗剂。

atA-Z60 去除无机类碳酸、磷酸和硫酸类水垢以及金属氧化物。

atA-Z60 包含具有协同作用的清洗剂和水垢去除剂混合物，可彻底清洗膜表面。

atA-Z60 可以去除某些柠檬酸和盐酸不能去除的无机沉淀物。

atA-Z60 在结垢严重的情况下，有可能需要反复清洗。

atA-Z60 与各大主要膜厂商的所有复合型反渗透膜兼容。

### 典型性状

外观.....	清澈，无色至淡黄色液体
气味.....	清淡的特征性气味
pH@(25°C) .....	≤2
水溶性.....	完全溶解

### 安全和操作

储藏于阴凉干燥和通风的场所,关紧容器盖。受污染的衣服应该洗净后再用。使用产品后彻底洗净。更多信息参见 MSDS 数据单。

### 化学制剂添加与控制

用不含残余氯或其他氧化剂的饮用水来配置清洁液。将 2 加仑atA-Z60 与 100 加仑水（2%溶液）混合制得清洁液。将 pH 调整至 2-3,在排放掉初始的 20%的清洗液后，将余下的清洁液在系统中循环冲洗.不要超过膜生产商建议的压力、温度和流量。如果将溶液加热，并且交替的循环冲洗 15 分钟然后浸泡 15 分钟，清洁的效率可以进一步提高。这些步骤应该根据需要重复执行多次。在整个清洗过程中，应该周期性的测量 pH 值。如果 pH 超出合适的范围，应该补充atA-Z60 来调整。

### 包装

atA-Z60 以 25 公斤不可返还塑料桶包装。