



atA-Z70-RO/NF Membrane Cleaning Compound



FEATURES AND ADVANTAGES

atA-Z70 is a liquid formulation designed for use as a high pH cleaner of polyamide thin film composite membrane surfaces.

atA-Z70 works to remove the most stubborn biofilms and organic foulants.

atA-Z70 supports the cleaning of acid insoluble sulfates of calcium, barium and strontium as well as calcium fluoride.

atA-Z70 is especially effective in removal of metal oxide deposits when used in a pH range of 9-10.5.

atA-Z70 is buffered so as not to exceed a pH of 12.

atA-Z70 may eliminate need for repeat cleanings where severe fouling exists.

atA-Z70 is compatible with all Thin Film Composite R.O.

Membranes from all major membrane suppliers.

Pictures: Top: Membrane with biological slime and organic foulants prior to cleaning. Bottom: Membrane after cleaning with atA-Z70.

TYPICAL PROPERTIES

Appearance.....	Clear Colorless to Light Yellow Liquid
Odor.....	.Slight Characteristic Odor
pH(as is) @25 C.....	≥ 12
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-Z70 to every 100gal of water(2% solution). Adjust the pH in the range 10-11. 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 drops below the desired range, it should be adjusted by adding more atA-Z70. Optimal iron removal occurs at pH of 8.5-10.5.

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-Z70 is packaged in 25 KG non-returnable plastic drums.



atA-Z70-反渗透/纳滤膜清洗剂



优点

- atA-Z70 是一种高效的标准液体组分，可用作聚酰胺复合型膜高 pH 值的清洗剂。
- atA-Z70 可用于去除最顽固的微生物和有机污染物。
- atA-Z70 有助于清除在酸中不可溶解的钙、钡和锶的硫酸盐以及氯化钙。
- atA-Z70 在 pH 9~10.5 的范围内对金属氧化物的去除特别有效。
- atA-Z70 溶液的 pH 值受到缓冲保护，不会低于 12。
- atA-Z70 在结垢严重的情况下，有可能需要反复清洗。
- atA-Z70 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
水溶性.....	完全溶解
pH@(25°C).....	≥12

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-Z70 与 100 加仑水(2%溶液)混合制得清洁液。将 pH 调整至 10-11，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 低于合适的范围，应该补充 atA-Z70 来调整。最佳的去除铁的 pH 范围在 8.5-10.5。

包装

atA-Z70 以 25 公斤不可返还塑料桶包装。