

atA-M3000-Membrane Antiscalant-High CaSO4/Fe/Mn

FEATURES AND ADVANTAGES

atA-M3000 is a broad spectrum antiscalant designed to inhibit organic scale formation in membrane separation processes.

atA-M3000 inhibits calcium sulfate scale at saturation levels of up to 600% and maintains good scale inhibition in the presence of moderate levels of iron.

atA-M3000 stops crystal growth of calcium sulfate scale. CaSO₄·2(H₂O) scale is almost impossible to remove once it has formed on an R.O. membrane.

atA-M3000 effectively stabilizes metal ions and disperses metal oxides in the concentrate stream.

atA-M3000 often surpasses the performance of other antiscalants under stressed conditions of high pH because of its better tolerance for hardness.

atA-M3000 is environmentally compatible, especially where discharge of waste into the environment is a concern.

TYPICAL PROPERTIES

Appearance.....Clear yellow to Amber Liquid

Odor.....Characteristic Odor

Solubility in Water.....Complete

pH(as is)@25C.....2-3

Specific Gravity.....1.10±0.03 (g/cm³)

SAFETY AND HANDLING

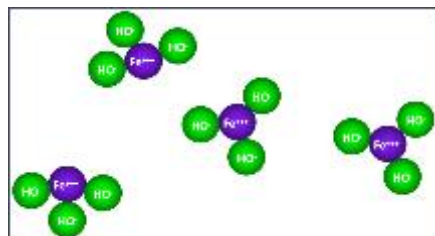
Store in a cool, dry place. In accordance with good safety practice, handle with care and avoid contact with eyes and prolonged or repeated contact with skin. For more information, see the Material Safety Data Sheet provided with this product.

CHEMICAL FEEDING AND CONTROL

atA-M3000 is normally fed continuously prior to the final cartridge filter. It should be injected by chemical dosing pump from a dilution tank or directly from the drum to the feed water line. The amount of atA-M3000 required to inhibit scale formation depends on the quality of feed water and size of the membrane system. The specific dosage rates will be specific by your atA technical representative.

PACKAGING

atA-M3000 is packaged in 25 KG non-returnable plastic drums.



atA-M3000-反渗透膜阻垢剂 针对硫酸钙、铁、锰

优点

atA-M3000 是一种优质的广谱型阻垢剂，用于防止膜分离过程中的无机垢的形成。
atA-M3000 可防止达到 600%饱和和极限的硫酸垢的形成，在铁离子含量适中的情况下仍然保持良好的结垢抑制力。
atA-M3000 能停止硫酸钙水垢晶体的生长。CaSO₄•2(H₂O)结垢一旦在反渗透膜中形成就几乎不可能除去。
atA-M3000 在浓水中有效的稳定金属离子和分散金属氧化物。
atA-M3000 在困难的高 pH 值的情况下，由于其对水硬度良好的承受能力，经常有超越其他阻垢剂的表现。
atA-M3000 对环境无不良影响，特别适用对废水排放有特殊要求的场所。

典型性状

| | |
|----------------|-------------------------------|
| 外观..... | 清澈黄色至琥珀色液体 |
| 气味..... | 特征性气味 |
| 水溶性..... | 完全溶解 |
| pH@(25°C)..... | 2-3 |
| 密度..... | 1.10±0.03(g/cm ³) |

安全和操作

贮存于阴凉干燥处。请根据良好的安全惯例，谨慎操作，防止眼部接触和过长的皮肤接触。更多信息参见与产品同时提供的材料安全数据单 (MSDS)。

化学制剂添加与控制

atA-M3000 通常被持续地加入最后一级保安过滤器的前端。本品应由稀释水箱或者包装桶通过制剂添加比例泵注入给水管道。抑制结垢形成所需的atA-M3000 剂量取决于给水质量和膜系统的规模大小。具体的控制范围将由技术人员制定，他们也可以帮助您为系统确定合适的添加量。

包装

atA-M3000 以 25 公斤不可返还塑料桶包装。