



## atA-Q180-Microbiocide for Non-Potable Membranes Systems



### ADVANTAGES

- atA-Q180 Fast acting, non-foaming, non-oxidizing biocide.
- atA-Q180 Environmentally friendly because it is non-persistent and degrades to naturally occurring products.
- atA-Q180 Provides efficient, cost-effective microbiological control at low use concentrations.
- atA-Q180 Controls bacteria, fungi and algae in industrial non-potable membrane systems.

### TYPICAL PROPERTIES

|                          |                               |
|--------------------------|-------------------------------|
| Appearance.....          | Colorless to Amber liquid     |
| Odor.....                | Mild, antiseptic odor         |
| pH (as is) @ 25°C.....   | 3-5                           |
| Solubility in water..... | Complete                      |
| Specific Gravity.....    | 1.10±0.05(g/cm <sup>3</sup> ) |

### CHEMICAL FEEDING AND CONTROL

May be used to control bacteria and reduce biofouling in non-potable industrial membrane systems (reverse osmosis, ultra filtration, micro filtration) and peripheral equipment. Acceptable applications include dosing into RO systems for the production of boiler makeup water, rinsing of electric components, and industrial waste water treatment.

Should be added to the system inlet water or before any other contamination area ahead of the reverse osmosis unit. Add with a metering pump on an intermittent basis depending on the severity of contamination and the guidelines specified by the membrane manufacturer.

atA-Q180 may be fed continuously to the membrane system feed water at the rate of 10 to 100 ppm. Once treatment is completed, rinsing with feed water should continue until conductivity values in the permeate are at or below values before treatment. Badly fouled systems must be cleaned before treatment is begun. For offline system disinfection, add 50-170 ppm atA-Q180 to the off-line cleaning feed tank and re-circulate for 30 minutes to 3 hours. Frequency of addition should be every 5 days or as needed.

Note: for industrial systems in which atA-Q180 residuals cannot be tolerated, must be slug fed. During and for 30 minutes to 1 hour following chemical addition, permeate and concentrate streams must be diverted to waste.

### SAFETY AND HANDLING

May be toxic by ingestion. Contact with eyes causes severe irritation or burns and irreversible eye damage. The use of goggles or face shield and rubber gloves when handling this product is recommended. For more information, see the Safety Date Sheet provided with this product.

### PACKAGING

atA-Q180 is packaged in 25 KG non-returnable plastic drums.



## atA-Q180 用于膜系统的专用杀菌剂



### 描述与使用

atA-Q180 是一种广谱型液态杀微生物制剂，用于超滤系统和非医药/非饮用水反渗透膜系统。一旦与微生物接触，本品能够立刻抑制其生长。

atA-Q180 是快速、无泡沫、非氧化性杀菌剂。

atA-Q180 对已经存在的生物膜十分有效，同时抑制新的生物膜的生长。

atA-Q180 能够有效适用的 pH、温度和水硬度范围很大。

atA-Q180 稀释后易于生物降解。

atA-Q180 与低含量的自由氯和溴以及防垢剂兼容。

atA-Q180 在低浓度下有效。

### 典型性状

|                |                               |
|----------------|-------------------------------|
| 外观.....        | 透明至琥珀色液体                      |
| 气味.....        | 轻微防腐性气味                       |
| pH@(25°C)..... | 3-5                           |
| 溶解性.....       | 完全溶解                          |
| 密度.....        | 1.10±0.05(g/cm <sup>3</sup> ) |

### 化学制剂添加与控制

atA-Q180 可用于控制非饮用工业膜系统（反渗透、超滤、微滤）和外围设备中的细菌和减少生物污染。应用范围包括为生产锅炉补给水的反渗透系统加药、电气部件的冲洗和工业废水处理。

atA-Q180 应添加到系统进水或反渗透装置前面的任何其他污染区域之前。根据污染严重程度和膜制造商规定的指南，间歇添加计量泵。

可以以 10 到 100 ppm 的速率连续向膜系统给水中加入 atA-Q180。处理完成后，应继续用给水冲洗，直到渗透物的电导率值达到或低于处理前的值。严重污染的系统必须在开始处理之前进行清洁。对于离线系统消毒，将 50-170 ppm atA-Q180 添加到离线清洗进料罐中，并重新循环 30 分钟至 3 小时。每 5 天或根据需要添加一次。

注：对于不能有 atA-Q180 残留物的工业系统，必须采用缓动式进料。在化学添加后的 30 分钟至 1 小时内，渗透液和浓缩液必须转移到废物中。

### 安全和操作

atA-Q180 吞食可能有毒。与眼睛接触会引起严重刺激或灼伤以及不可逆转的眼睛损伤。操作本产品时，建议使用护目镜或面罩和橡胶手套。有关更多信息，请参阅提供的安全数据表（MSDS）使用本产品。

### 包装

atA-Q180 以 25 公斤不可返还塑料桶包装。