PRODUCT DATA SHEET

Purolite™ Puromet™ MTS9300H

聚苯乙烯 大孔, 亚胺基二乙酸螯合树脂, 氢型, 高交换容量

主要应用

- 废水处理

产品优势

- 高工作交换容量
- 优良的渗透稳定性

包装样式

- 1 CF 编织袋
- 25L 阀口袋
- 5 CF 纤维板桶
- 1M3 立方袋
- 42 ft³ 立方袋

典型物理和化学参数

聚合物骨架	大孔型聚苯乙烯二乙烯苯交联
外观	球状颗粒
官能团	亚氨基二乙酸基
离子型态	H^+
铜交换量 (最低)	50 g/L
含水量	52 - 60 % (Na^+ 型)
粒径分布	380 - 1000 µm
< 380 µm (max.)	2 %
均一系数（最大）	1.5
转型膨胀率，$H^+ \rightarrow Na^+$（最大）	35 %
温度限制	80 °C (176.0 °F)

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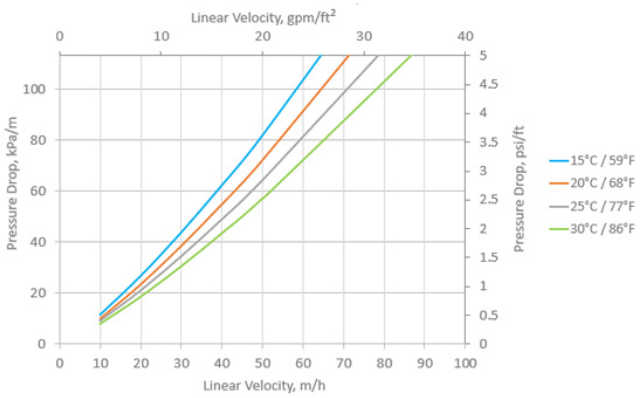
水力学特性

压降

离子交换树脂的压降取决于粒度分布、床层高度、树脂颗粒间空隙体积，以及物料的流速和粘度。任何对这些参数的影响-比如被树脂床层截住的颗粒物、对树脂床层的异常压缩、床层的不规则分布-都会对压降产生不利影响，造成压头损失。针对不同的物料质量、应用环境和系统设计，流速可能处于10 – 40 BV/h范围内变化。

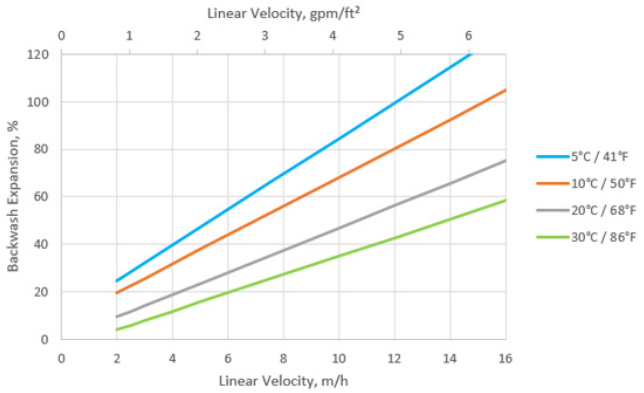
床层压降



反洗

在自下而上反洗过程中，应控制反洗膨胀率在50%到70%之间，至少保持10到15分钟。该操作除去（运行过程中截留的物料中的）颗粒物，清除气泡，并重新规整树脂颗粒，确保最小的流动阻力。第一次投入前，大约30分钟的充分反洗，通常就足以对树脂床层进行适当的规整。 值得注意的是，相同流速下反洗膨胀率随温度降低而而升高。必须注意，应避免将树脂床层反洗膨胀过甚而导致树脂从顶部流失。

树脂床反洗膨胀率



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