

Purefloc

What is Purefloc?

Purefloc is a proprietary blend of natural bridging polymers developed by H2O Technical Services, Inc. The product contains biological macromolecules, utilizing zeta potential to synthesize through electrolysis various treatment targets. The program can be customized to meet a specific target.

What will Purefloc remove?

Purefloc was developed to remove “soluble” targets from the liquid phase. Traditionally, soluble targets such as BOD, TKN, NO₃ and TP have been difficult to remove in a physical/chemical process. Treatment has been accomplished through conventional biological designs that work well, but involve expensive capital outlays.

Because of the anti-oxidant qualities in Purefloc, there is also a reduction in ORP and conductivity. As a result, Purefloc prevents putrefaction and prevents odor.

What removal efficiencies are accomplished using Purefloc?

BOD 30-50 percent additional soluble removal
TKN 85-90 percent removal
NO₃ 50 percent reduction after one hour

What are some Purefloc applications?

- * DAF pretreatment removal for BOD and TKN
- * Secondary biological systems for nitrate compliance
- * Groundwater silica removal
- * Sludge dewatering conditioning
- * Odor control
- * H₂S elimination in distribution systems and anaerobic cells

How can I trial Purefloc?

Contact H2O Technical Services, Inc.

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