

SLF 100 vs Forever-Flow

While on the surface SLF100 looks similar to Forever-Flow (OMRI registered, can be used throughout the grow cycle, enzymatic activity), it is substantially different. According to their website, SLF100 is only formulated to work on salt-based clogs (this includes mineral clogs). **There are no claims made to work on biofilm clogs, which are substantially different than salt-based clogs, and much harder to remove.** Most of the clogs encountered during the grow for cannabis will be biofilm or mixed biofilm / mineral clogs. This is for 2 reasons:

1. Cannabis requires a lot of nutrients and water throughout the grow. This creates perfect conditions for biofilm growth, especially when organic fertilizers are used.
2. Many/most commercial cannabis facilities use RO water, which will remove a lot of the minerals that could otherwise accumulate and cause clogs. Fertilizer can contribute to mineral clogs, but with all the other additives used for cannabis, it's more likely that a biofilm or mineral-biofilm mixed clog will form.

Forever-Flow works specifically on biofilm-based clogs as well as on mixed mineral-biofilm clogs. This second category is just as important as the biofilm-only clogs, as it is the biofilm portion that will "stick" in the irrigation line emitters (the nucleic acid and carbohydrate compounds in biofilms are extremely sticky and viscous), so that is the part of these clogs that must be broken down. The fact that SLF100 remains active in the presence of peroxide means that SLF100 does not have the ability to break down the organic compounds that comprise biofilm clogs (rapid breakdown of biofilms requires living microbes or the protein-based enzymes made by these microbes, both of which cannot survive peroxide).

To summarize, Forever-Flow will rapidly remove and prevent biofilm-based and mixed clogs from forming in irrigation lines and emitters, which SLF100 cannot do.