

## DAF performance way under par? . . .

Then retrofit your DAF with a **SAF™ Generator** by Heron Innovators.

That's what a large cannery did at their plant in California's San Joaquin Valley.



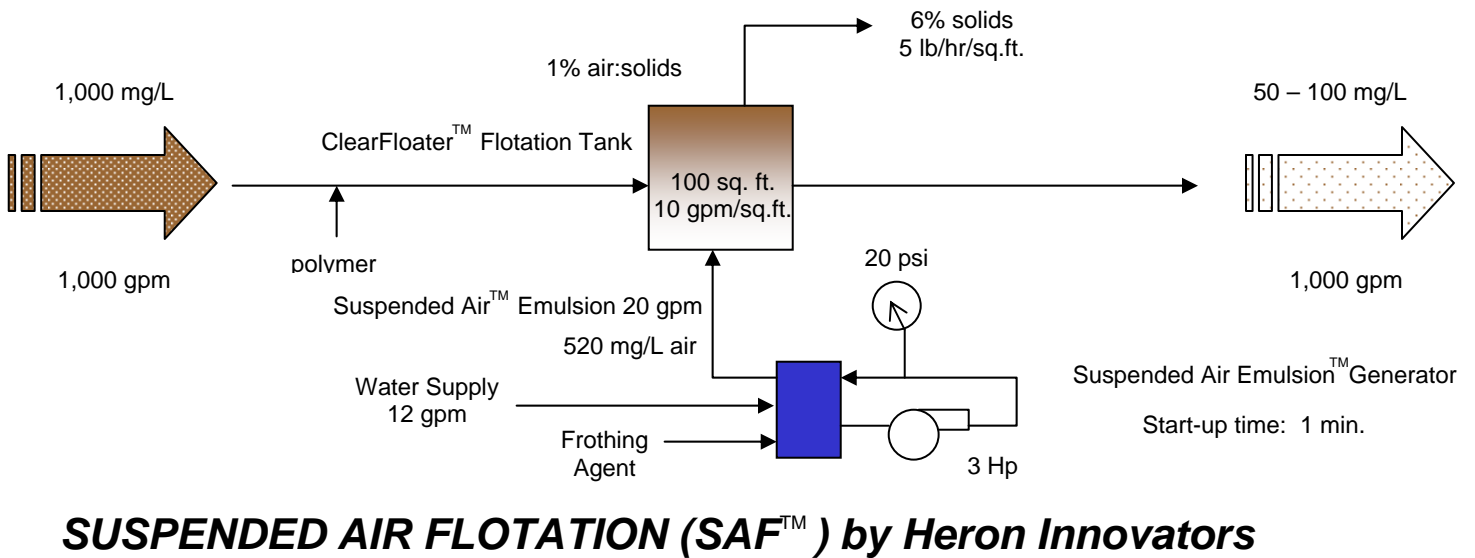
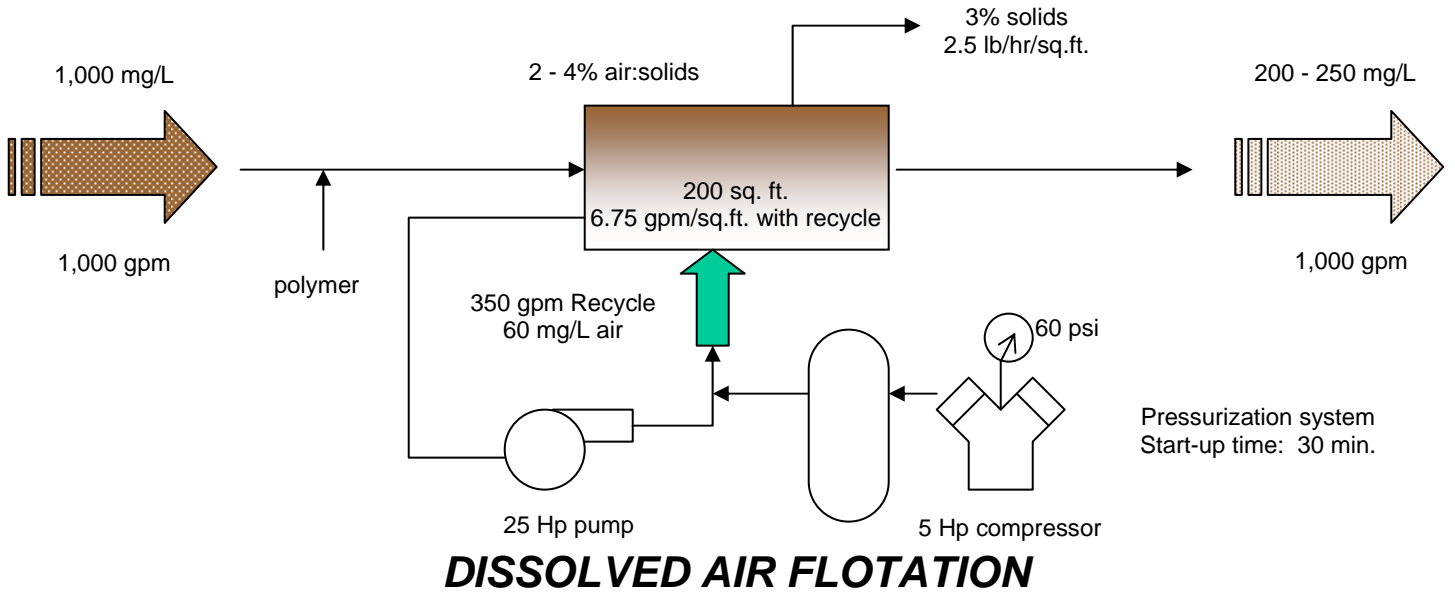
This cannery processes mostly peaches during a 3-month season. Their 1,000 gpm capacity DAF was producing marginally acceptable effluent at low influent total suspended solids (TSS) concentrations when treating 700 gpm. At higher influent TSS of 2,400 mg/L, all but 400 gpm had to be diverted or the treatment result was unacceptable. One of two 60-Hp multi-stage pressurization pumps (shown above) operated continuously, and a complete re-build or replacement of both pumps was necessary at the end of each processing season.

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Heron Innovators provided its pilot trailer to demonstrate the SAF™ process, and replaced the DAF pressurization system with a **Model F200™ Suspended Air™ Emulsion Generator** in time for the 2007 processing season. Provision was included to inject Suspended Air™ Emulsion at three different points in the serpentine influent piping.

The 2007 season was the first since purchasing the DAF that it could be operated at or near its rated capacity all season. The 60-Hp pressurization pump was replaced by the F200's 10-Hp recirculation pump. After some experience running the retrofitted DAF, it became apparent that the Suspended Air™ emulsion only needed to be injected at one point. The solids produced with the retrofitted Suspended Air™ Emulsion Generator had much higher solids content than those produced by the original DAF. Operation during the 2008 processing season was consistent with or better than the 2007 season.



**TYPICAL COMPARISON – DAF vs. SAF™**

*Don't be fooled by imitators - always ask for:  
Suspended Air™ Flotation - by Heron Innovators, Inc.*