

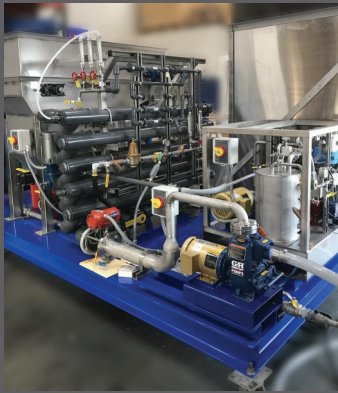


**HERON INNOVATORS**  
The Clear Advantage

**Cornerstone** 

## FLOTATION WITHOUT DISSOLVED AIR

*A unique process with many uses within your plant.*



A SAF<sup>®</sup> system offers superior performance to a DAF and requires less chemicals and power! A retrofit system can often pay for itself in less than one year.



The froth created by the SAF<sup>®</sup> is comprised of bubbles (7 to 25 microns) that have an electrically-charged surface and greater surface tension. This gives them higher solids capture rate and removal.

### Why choose a Heron SAF<sup>®</sup> instead of a DAF? (SAF<sup>®</sup>—Suspended Air<sup>®</sup> Flotation)

#### It Offers Superior Treatment

The Heron SAF<sup>®</sup> system can handle 5-10 times the hydraulic rate and 10-20 times the solids loading rate of a DAF.

#### Simple Installation

Can be retrofitted into an existing DAF system, or our SAF<sup>®</sup> can be placed on a skid for a plug and play installation.

#### Operator Friendly

SAF<sup>®</sup> is more stable and requires much less operator attention.

#### Flexible Operation

Easily tolerates variation in processes as it produced a thicker, more stable float.

#### Greatest Value

Does not require the DAF's recirculation pump, header, compressor, and air/airlines. Can reduce the required horsepower of a DAF by 90% and is six times more efficient.

#### Treatment in a Small Footprint

When used as a retrofit, SAF<sup>®</sup> provides 3 to 4 times hydraulic and solids loading in the existing DAF tank. Reduces the footprint of a DAF by approximately 85% when installed as a new system.

### Special Features

- ✓ Its performance is NOT affected by temperature!
- ✓ No pressure vessel required as there is no dissolved air!
- ✓ Easily handles the removal of algae.
- ✓ SAF bubbles are charged and have from 100 to 1,000 times the ability to attract and float a particle than a DAF bubble.
- ✓ Can be used as a primary or secondary clarifier, or for economical sludge thickening or dewatering.