

AIR FUSION TECHNOLOGY

Product Overview



An ISO 9001:2015 Certified Company

Schroeder's Air Fusion Technology – Next Generation Tank optimization 40 gpm (151 L/min) | 100 psi (7 bar)



Through CFD analyses we can provide our customers with real world data on flow, de-aeration, sloshing, thermal and structural characteristics.







Sloshing



Thermal

SCHROEDER INDUSTRIES



Structural

AFT + TNK = Complete Tank Optimization Solutions





WITH AFT

How does Air Fusion Technology compare against the traditional return line filter?

The AFT can provide up to a 60% decrease in reservoir size with a up to a 30% increase in deaeration performance



Percent of Air Bubbles De-aerated			
Air Bubble Size	Standard Return Line	AFT Return Line	AFT Performance Increase
1 mm	28%	65%	37%
2 mm	64%	99%	35%
3 mm	83%	100%	17%

15

25

Time (min)

35

45

55

0%

5

SCHROEDER INDUSTRIES' AIR FUSION TECHNOLOGY

AFT is Coalescing Savings for You!

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Standy Solution

OVER \$750K

When reducing the tank size, you also need to consider the savings back into your pocket! With a project where we reduced a **9-gallon reservoir to a 2-gallon reservoir**, over a 10 year span **we can save our customer up to \$750,000**! This assumes an annual usage of 400 units.

Benefits of reducing tank size:

Shortens the time to get to operating temperature by about 15 minutes, this is **15 minutes less time in cold** start by-pass!

Smaller tank *creates space for new features* that could be more appealing to the end user, like a larger toolbox, a larger fuel tank, additional features to give them a step forward in the marketplace.





7 gallons less hydraulic oil required for your machine decreases the amount of carbon dioxide emitted from hydraulic oil production by 165 lbs/CO2 per machine. Our Optimization with Next Gen Filtration will reduce your carbon footprint over the year by 66,000 lbs of carbon dioxide per year!

580 West Park Road | Leetsdale, PA 15056, USA 724.318.1100 phone | 724.318.1200 fax sisales@schroederindustries.com An ISO 9001:2015 Certified Company | © 7.2021 All rights reserved.