

ADVANDAGE OF FINERGLASS FILTER VS ST.ST. & STEEL

	FIBERGLASS REINFORCIED POLYSTER	STAINLESS STEEL	CARBON STEEL
Anti-corrosion	Very strong against corrosion and electrolysis. Strongest of these three materials.	Relatively strong against corrosion. Welded part often generates spot corrosion.	Very prone to corrode. Especially when the painting job is poor.
Structural Strength	Material-wise, FRP is weaker than Steel, but is much lighter. By selecting the proper thickness, FRP tank can be built as strong as Steel while keeping its lightness.	Twice as strong as FRP in terms of tensile strength. Welded construction is basically reliable under qualified workmanship.	Twice as strong as FRP in terms of tensile strength. Welded construction is basically reliable under qualified workmanship.
Appearance	Clean, smooth surface with variety of color choice (laminated filters). Easy to clean	Clean and smooth surface except the welded bead. Paint may fade or peel after long use.	Clean and smooth surface except the welded bead. Paint may fade or peel after long use.
Easy of Installation	Easy thanks to its lightweight	Vulnerable due to its heavy weight	Vulnerable due to its heavy weight
Initial Cost	Relatively high, but lower than S/S	High	Lowest of these three materials
Maintenance Cost	Eventually no maintenance is needed.	Relatively low. If painted, the same as Steel.	Re-painting every 3 to 4 years is necessary.
Durability	Theoretically More than 15 years, but no actual data available.	More than 15 years	Life depends on the quality of painting job Usually about 10 years.