

Comparison of Desulfurisation Methods in Anaerobic Digestion Plants

	<i>EGx by SwissBiogas.com</i>	<i>Iron Oxide</i>	<i>Iron Chloride</i>	<i>Air Injection</i>
Investment into				
Storage and Handling	low	low	high	none
Dosing Equipment	none / low	none / low	medium	medium
Risk of / to				
Exposure / Personnel	low	low	high	none
Explosion	low	low	low	high
Corrosion	low	low	high	high
Incompatibility	low	low	high	high
Gas Impurities	low	low	low	high
Reaction Products	none	none	HCl	H ₂ SO ₄
Characteristics				
Reactive Content	> 60%	30% - 60%	10% - 14%	none
Digestion Speed / Volume	high	low	high	low
Long Term Effects	high	high	low	none
Methanogen Growth	high	medium	low	negative
Trace Element Addition	not necessary	extra purchase	extra purchase	extra purchase
Shelf Life	> 12 months	> 12 months	< 12 months	none
Gas Yield over Normal	higher	normal	lower	lower
Price per chem. Reaction	medium	high	high	none