

VAV FerroSorp® Fill Guide

Purpose - To aid the customer in filling Interra Global VAVs with **eight** supersacks of FerroSorp® SK pellets.

Goal - To fill the VAV safely and evenly to ensure the optimized removal of H₂S from the biogas. This is accomplished by having a consistent level of FerroSorp to allow headspace for the gas to flow across the media bed and fully diffuse throughout the vessel.

Process - Begin by opening all three manways. Lift supersacks by safely using available onsite equipment. Begin by loading **two** supersacks per manway. Spread the first **six** supersacks of FerroSorp level and evenly using a long-handled garden rake or lute rake.

Load the **two** remaining supersacks evenly between the three manways while raking to maintain a level surface. FerroSorp height should be approximately 8"-10" (density can vary slightly) from top of the VAV. The inlet and deflector plate should never be obstructed (note inlet diffuser plate below). Upon completion of loading, rake evenly to the corners and sides of the VAV. The media should be as level as possible throughout the VAV.

Close and secure manways. Full video instructions here:

<https://www.youtube.com/watch?v=G4jC9kFp6x0>.





Supersack being loaded

Spread the FerroSorp using rake