

Global Semiconductor Manufacturer needs solution



DFS Chemical Delivery System

DFS Solvent System Solution for a global Semiconductor Manufacturer

Challenge:

DFS joined forces with a global semiconductor manufacturer to develop a new chemical solvent system designed for a hazardous solvent chemical in a Class 1 Div. 2 environment.

Solution:

The delivery system solution conceived from this collaboration provided a unique solution for dealing with the challenges of utilizing components rated for this classification.

The engineering team at DFS came up with unique feature for this system. This feature is 4 point load cell system which has provisions to allow for the tank to be weighed accurately while using the components specifically rated for this environment.

The 4 point load cell system was designed to allow the tank to set evenly on all four loading points, made from 1/2" stainless steel sheet, and this allows each load cell to be replaced without the tank being lifted.

This chemical delivery system will deliver up to 5 gpm of solvent to the production areas with 10 supply risers using a valve manifold box exclusively designed by DFS.