

Chemical Manufacturing Plant Saves US\$36,000 Annually with TankJet® Tank Cleaning Units



Problem:

Six tanks in a large chemical manufacturing plant required thorough cleaning during shutdowns. Tanks were cleaned by wasteful fill/drain cycles followed by rigorous manual labor, which produced inconsistent results. The manufacturer desired an automated cleaning process that would deliver powerful, repeatable results, eliminate safety hazards associated with manual labor, and reduce downtime and water usage.

Solution:

The chemical manufacturer now cleans all tank interiors with one TankJet 80 and two TankJet 65 tank cleaners. Each stainless steel assembly mounts easily to the tops of tanks. The tank cleaners are lightweight and move easily from tank to tank. A two-piece manway cover and lance extension were made-to-order and can be adapted to any manhole/port dimension. Each tank cleaner is equipped with solid stream nozzles – two on the TankJet 80 and four on the TankJet 65 units. The units rotate in multiple axes and provide 360° coverage every 45 revolutions. The TankJet 80 cleans the larger chemical tanks, as it can effectively clean tanks up to 50 feet (15.2 m) in diameter. The TankJet 65 units clean the tanks up to 40 feet (12.2 m) in diameter.





Chemical Manufacturing Plant Saves US\$36,000 Annually with TankJet® Tank Cleaning Units – Continued

Results:

The TankJet tank cleaners cut cleaning time in half, eliminated manual labor and downtime, and achieved consistent cleaning. In addition, the manufacturer reduced water use by thousands of gallons and eliminated the risk of worker injury while cleaning tanks. The units save the manufacturer about US\$36,000 per year and provided payback in about seven months.

A CLOSER LOOK AT THE SYSTEM



TankJet 65 tank cleaner provides powerful, reliable cleaning of tanks up to 40' (12.2 m) in diameter. Four-nozzle hub provides tight cleaning pattern and fast cycle times. Available in high-temperature version.



TankJet 80 tank cleaner provides powerful, reliable cleaning of tanks up to 50' (15.2 m) in diameter. Available with two or three nozzles.



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