

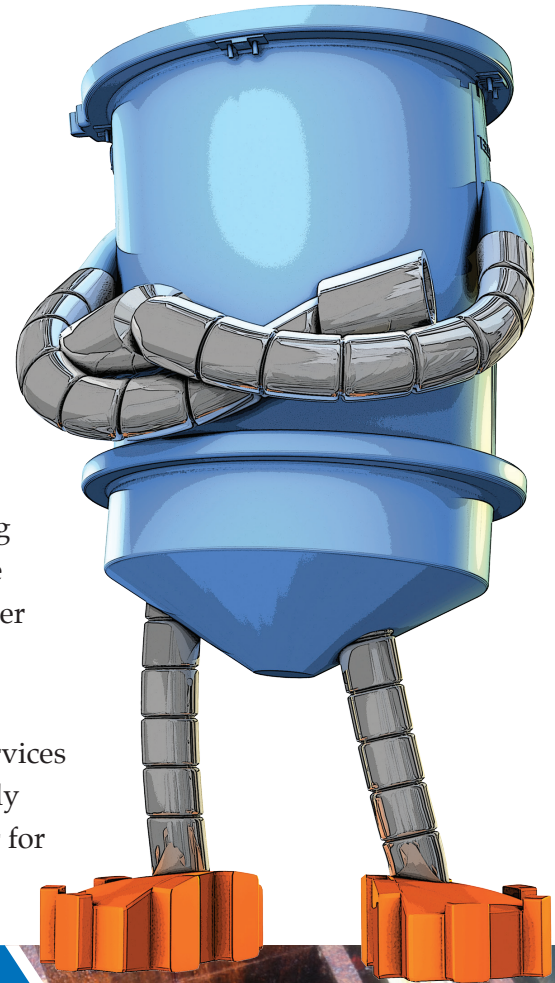
A **Trapzilla** CASE STUDY

DELL® IRELAND

TZ-600 Provides Economical, Efficient Solution to Replace Leaking Grease Interceptor

One of Dell's corporate buildings in Dublin had a problem with a leaking 10-year-old metal grease interceptor. The gravel-covered area around the grease trap was constantly wet and unsightly. The computer manufacturer asked its building management firm to find a solution.

The building management firm reached out to ProViro Environmental Services, an Irish company that provides expert advice, products and services to building managers, architects, engineers and others on how to properly manage grease in kitchen effluent. ProViro is also a European distributor for Thermaco's Trapzilla and Big Dipper products.



THE PROBLEM

A slowly disintegrating grease trap

The building had a metal grease trap that had been installed about 10 years earlier. The combination of moisture and the acid that builds up naturally in grease interceptors was slowly breaking down the metal trap's structure, and the trap was starting to corrode and rust, as metal grease interceptors often do.

Kitchen effluent was leaking from the grease trap into the soil around it, creating a large, permanent wet patch of ground. This patch of ground was unsightly for one of the world's most successful technology companies. A bigger problem was the potential for regulatory issues with the local authority responsible for grease disposal. As the trap started to degrade, there was a strong possibility that grease, rather than being trapped in the interceptor, would escape into the local sewage treatment system.

A costly problem

It was unlikely that such a serious regulation violation would go unnoticed by the local water authorities. In Ireland, grease traps must be pumped out every 13 weeks, no matter how much or how little effluent they contain. A local Fats, Oils and Grease (FOG) office audits effluent disposal records. It inspects grease interceptors and can withdraw effluent disposal licenses and impose fines if regulations are breached. **Dell needed to do something.**



THE SOLUTION

A compact, efficient, durable grease interceptor

After reviewing the situation, ProViro presented the building management firm with a solution: Thermaco's TZ-600 Trapzilla Grease Interceptor.

ProViro's Andrew Murray explained to his client that the TZ-600 would fix the company's immediate problem — the rusty, leaking grease trap. He added that it would also prevent such problems in the future and reduce Dell's ongoing maintenance costs.

Here's why:

Unlike traps made of metal or concrete, the TZ-600's polyethylene unibody structure makes it immune to the corrosive effect of acid that tends to build up in grease interceptors. Its unique design also lacks corners where, in traditional grease traps, waste and bacteria that produce acid tend to accumulate.

The TZ-600's efficient design means it can retain more than 85% of its internal volume in grease before separation efficiency starts to decline. That's much higher than the 25% of volume that traditional grease interceptors can reach before they must be pumped out. When the grease trap is pumped out after 13 weeks, the pump truck will extract up to 350L of volume, compared to the much larger volume of the original trap. Since pumpers charge by volume, this meant Dell would save money.

Dell and its building management firm scheduled the Trapzilla TZ-600 installation.

THE RESULT

A creative installation with minimal disruptions

The TZ-600's compact design gives it the ability to be placed in locations that traditional grease interceptors simply won't fit. And because the TZ-600 is engineered to allow for flexible, creative installations, ProViro was able to install the new interceptor with less cost and disruption than might otherwise be required.

The TZ-600 was placed inside the old metal trap. That meant Dell could use the existing plumbing lines with minimal changes.

"The real benefit for the customer was that the Trapzilla, though it fitted inside the old tank, actually had the capacity to trap and store more grease than the grease trap it was replacing," Andrew Murray said.

ProViro's crew removed the baffles in the existing metal trap and simply positioned the new TZ-600 in place. They poured concrete around it to secure the new interceptor.

This creative installation meant that the old trap didn't have to be removed, and no new excavation was required. As a result, the installation was faster, less expensive and less disruptive than you would expect a new grease trap installation to be.

Today, as a result of the successful installation, the area around the grease interceptor is once again dry. Dell is saving money on its quarterly pumping service, and the company is fully in compliance with the local sewage pre-treatment regulations.



TZ-600 Trapzilla Grease Interceptor

The TZ-600 Trapzilla Grease Interceptor is ASME rated for 75 GPM, and holds more than 635 pounds (86 Gallons) of grease in a 95 Gallon footprint. This means that unlike traditional interceptor designs, the TZ-600 is capable of holding more than 85% of its internal volume in grease and solids before it begins to lose efficiency.

Perfect for replacing failing steel or concrete, the TZ-600 is manufactured out of durable polyethylene, meaning that it will outlast traditional interceptors made of inferior materials.

Will Trapzilla Work for You?

The Thermaco Trapzilla line of grease interceptors and solids separators are known for their high-efficiency, compact design and durability. But they are also well-suited for sites where traditional grease interceptors would be difficult or undesirable to install. Here are four other Trapzilla installations by ProViro that illustrate the Trapzilla's versatility.



An Upmarket Nursing Home

An upscale nursing home was installing a new sewage treatment system, which required a grease trap to keep the new system operating efficiently. Before this, the nursing home had never needed a grease trap. The home installed a TZ-1826, a super-capacity Trapzilla interceptor that can trap and store as much grease as a 3,785L concrete trap in just a fraction of the space.



An Upstairs Deli in a Department Store

A Marks & Spencer® department store had a small metal grease trap but needed something with a larger capacity to service its upstairs deli department. Following an evaluation, the store needed a grease interceptor and a solids separator but didn't want two units side-by-side because they would take up too much storage space. ProViro installed a TZ-600 and then installed a TSS-99 solids separator above it. This flexible installation allowed M&S to minimize the amount of warehouse space taken up by the units.



A Fast-food Restaurant with Limited Space

A McDonald's® restaurant in Dublin had a problem. Local authorities wanted the restaurant to install a large, in-ground grease trap, but the restaurant only had a small basement space available for the installation. A TZ-600, however, provided all the grease-trapping capacity the restaurant needed and fitted easily into the small basement.

A High-end Hotel

The Mandarin Oriental Hyde Park in London needed to replace its corroding metal grease trap. The historic hotel chose a TZ-600, which was installed inside the old grease trap. This minimized disruptions and sped up the installation so the hotel could go on providing guests the best possible service in its iconic fashion.

Trapzilla
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