

# Fit for FOG (Fat, Oil & Grease)

- > Drain blockage prevention
- > Hygienic and odour controlled
- > Cost efficient and no energy
- > Long warranties and support



Binder Limited has been dealing with Magnete now for a few years, using the Thermaco products. The requirement now to remove FOG at source has become even greater. Taking on this challenge we are grateful for the relationship we have with both companies. It has become a real pleasure growing our business with them. They consistently show a willingness to help with every project. - Tony Shaw



KNOW THIS



3- year parts  
warranty



Lifetime  
warranty



Very  
hygienic



Energy  
efficient



Easy to  
Maintain

Since establishing Binder Ltd. in 1964, Wallace Binder has stayed on the cutting edge to lead his company into new markets. He wasn't about to let grease clog his vision for growth.

From its origins of servicing and installing septic tanks, Binder Ltd. has expanded to handle domestic wastewater treatment plants, pump stations, and grease interceptors. All are supported by an in-house water treatment plant that processes waste from its domestic and commercial clients.

Always looking for the most innovative solutions for these clients, Binder began selling Big Dipper Automatic Grease Traps in the early 2000s. More recently, the company added Trapzilla Super Capacity Grease Interceptors. ("Big Dipper and Trapzilla are the types of innovative products our customers need," says Wallace. "Both are relatively compact and highly efficient at managing grease.")

Little did he know how valuable the Trapzilla and Big Dipper lines would be for his business.

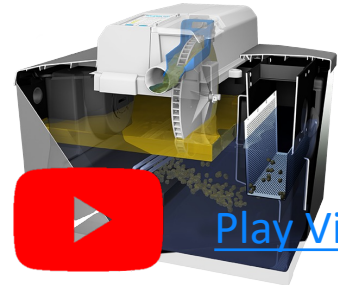
**THE CHALLENGE:** As Binder's grease trap servicing business grew, so did the volume of FOG passing through its water treatment plant. It began putting a strain on the bacteria used to treat the water. The bacteria began to work slower. As a result, plant operators had to spend valuable time adjusting the process, as the facility consumed more energy to compensate for the sluggish bacteria.

**THE SOLUTION:** Binder contracted with a business that recycles fats, oils, and grease (FOG) into biodiesel. Binder Ltd. now recycles more than 30 tons of grease every month. Much of that material comes from the Trapzilla and Big Dipper units it services. Its water treatment plant is free of FOG and more efficient than ever before. Grease recycling has become a lucrative revenue stream.

**WHY BIG DIPPER & TRAPZILLA:** Binder learned that FOG from Big Dipper and Trapzilla units is prized by biofuel producers. Big Dipper and Trapzilla are engineered to capture FOG with fewer impurities than effluent from standard grease interceptors. A rough calculation suggests that 270kg of FOG from a single Trapzilla unit would yield about 40kg of recyclable effluent, a 15% yield. That's 3x the yield of a standard grease interceptor.

# Godfrey's Fish & Chips

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At Godfrey's we try to operate as responsibly and sustainably as we can, installing the Big Dipper means we're meeting current legislation and reducing our impact on the environment and local drains. – Luke Godfrey



KNOW THIS



3- year parts warranty



Lifetime warranty



Very hygienic



Energy efficient



Easy to Maintain

# Godfrey's Fish & Chips

Godfrey's simple but delicious fish and chips has been at the heart of the Harpenden community since 2012. At Godfrey's it's not just the colour scheme that's green, the fish is fully sustainable, the packaging is completely compostable, rainwater harvesting is used for toilet flushing, the electricity is 100% green, all food waste is used to produce energy, all paper, card, glass, tins and plastic is fully recycled. And the journey does not stop here, with Godfrey's now keeping the drains FOG (Fat, Oil and Grease) free using Big Dipper, allowing for FOG to be repurposed to Biofuel.

The excellent environmental standards set by Godfrey's did not prevent small amounts of grease escaping during cleaning and washing up. These small particles can build up and cause unwelcome blockages in the drain lines. Luke has been examining solutions to prevent blockages in his fish and chips shop as well as reducing the impacting on the environment. After talking to Magnete, Big Dipper was chosen as the most suitable solution, due to its first-rate blockage prevention, odour and hygiene control, cost efficiency, long support and warranties.

As an associate member of NFFF, the discussion started with a free survey and consultation. The site survey was followed with a bespoke non committable quote and scope of works. Hygiene, cost implication, specific site



conditions, such as decommissioning and reconditioning of existing equipment was, as always, also taken into account. It saved both money and time in the process. [Want to know more >>](#)