



## Case study

### JFC Plastics

are specialists in the design and manufacture of a comprehensive range of Waste water treatment systems with over 25 years' design and manufacturing experience and access to leading edge technology we are committed to continually developing trend-setting products that meet and exceed the needs of our customers.

We are dedicated to identifying and promoting new, efficient and cost effective technologies to achieve practical long term solutions to meet our client's individual requirements.

#### Wastewater Treatment Solutions

- Hydrocycle
- Commercial Treatment Plant
- Septic Tank
- Distribution Sampling Chamber

#### JFC Plastics Ltd

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It is believed that the information given in this publication is correct. The products marketed by the company are however, subject to continuous development and the company therefore reserves the right to alter information without notice.

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Reference Project: Commercial Wastewater Treatment Tank Installation - Halfpenny Green Vineyard

#### Project Outline

Existing septic tank proved insufficient for the needs of the vineyard.

#### Solution

#### Commercial Wastewater Treatment Tank

- DJ Builders Contractors consulted with Plastech Ltd (Wigan) on the range of JFC Wastewater Treatment systems.
- The "Casflow Cas 7" a 50 person Wastewater Treatment Tank was selected as the most suitable solution.
- Also required for this project a JFC Commercial Grease Separator - GS4 (4 L/s)

The **Casflow Cas 7** packaged wastewater treatment tanks range in size from 51 – 300 persons. It is a 3-5 chamber fixed bed biofilm system comprising of a primary settlement chamber, biological treatment chamber and final settlement chamber. The purpose of the plant is to treat domestic wastewater to an environmentally friendly level allowing it to be discharged to ground through a percolation area. It is designed to accept waste from domestic toilets and kitchens. Grease from kitchen waste must be removed prior to entering the unit.

It offers an extremely efficient and unobtrusive means of sewage disposal. Manufactured from robust corrosion free polyethylene material, the Casflow incorporates unique patented features to ensure simplicity and efficiency of operation whilst consistently meeting the stringent standards of effluent discharge quality required by the Environmental Agency. (EN Certified in compliance with EN12566).

Following consultation with our client it was determined that the existing septic tank would serve as a supplementary storage facility alongside the addition of the **Cas7 Wastewater Treatment Tank** to meet the needs of this project. This translated into a substantial saving for the owners compared to solutions put forward by other companies. This unit is available in a range of sizes to suit virtually any application from a single residential property to hotels, restaurants or large industrial commercial organisations. The flexibility of our manufacturing process allows us to design and build products to specifically meet individual application requirements rather than trying to make a standard product fit the situation.





# JFC Commercial Wastewater Treatment Systems

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### Commercial Wastewater Treatment Tank Sizes

Product Code	PE	Max BOD (kg)	Max Flow M <sup>3</sup>	Dimensions (mm)	Approx. Weight (kg)	Working Capacity (L)	Power (kw)	Phase
Cas 7-190	51	10	10	1500 x 4800 x 2900	1894	15,350	0.6	Single
Cas 8-190	60	12	12	1500 x 5200 x 2900	2004	16,926	1.1	Single
Cas 8-190	70	14	14	1500 x 5800 x 2900	2182	17,500	1.1	Single
Cas 10-190	80	16	16	1500 x 6200 x 2900	2251	20,460	0.7	Single
Cas 11-190	90	18	18	1500 x 6800 x 2900	2404	21,900	0.7	Single
Cas 12-190	100	20	20	1500 x 7200 x 2900	2486	23,850	0.7	Single
Cas 13-190	125	25	25	1500 x 8200 x 2900	2799	27,060	0.7	Single
Cas 14-190	150	30	30	1500 x 9200 x 2900	2850	30,700	1.6	Single
Cas 15-190	200	40	40	1500 x 10500 x 2900	2917	34,650	2.2	Single
Cas 16-190	250	50	50	2250 x 11500 x 2900	3835	57,100	2.5	Three
Cas 17-190	300	60	60	2400 x 12000 x 2900	3877	63,480	2.5	Three

### Commercial Grease Separators

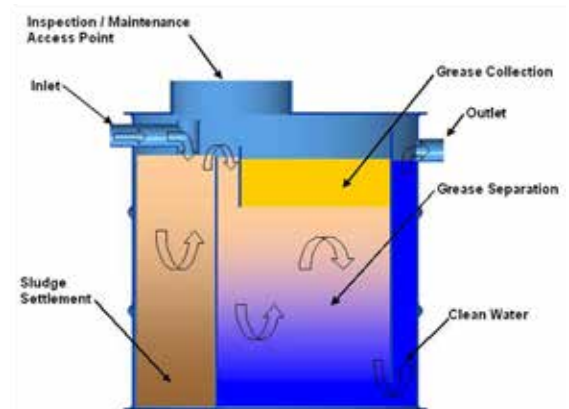
JFC manufactures a range of underground polypropylene passive grease separators in accordance with EN 1825 to suit large grease producing facilities such as Hotels, Restaurants, Canteens, Supermarket Deli's, Fast Food Premises etc. The separator is typically positioned externally.

All grease separators are sized in litres / second and nominal sizes are available in 1,2,4,7 and 10 l/s (larger sizes are available on request). There are two ways in which separators are sized as outlined in EN1825. The first is based on daily throughput of the kitchen and the second on the number and type of kitchen equipment discharging to the grease separator.

JFC Plastics have extended our expertise to offer Fat, Oil & Grease Management systems for domestic and commercial applications.

### Fat, Oil & Grease Management Solutions

- Domestic Grease Trap
- Commercial Grease Separator
- Distribution Sampling Chamber
- Small Commercial Grease Trap



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“ JFC exceeded our expectations at every stage of the process, unlike other manufacturers we spoke to, they were more concerned with providing the most suitable solution to serve our needs than just simply selling us a tank”  
Dave Jones –DJ Builders Contractors.”

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Contact us today for further information on JFC products and services.