

BROWNHILLS BIODIESEL PLANT

Location : Coppice Side Business Park, Brownhills / Walsall, England, GB-WS8 7EU

Covered area : 25000 ft² / 2322 m²

Bunded tanker discharging / loading area. Car parking. 24 hour access

Current capacity : 22000 litres biodiesel per 8 hour shift

Approved by UK Environment Agency with full **IPPC certificate**

PLANT

QUANTITY	DESCRIPTION	CAPACITY (litres)
2	Water tanks	18000
2	Methanol Tanks	36000 litres
7	Incoming UCO Tanks	325 tonnes
2	Primary UCO tank	40000
1	Methoxide Mixer	700 litres
3	Biodiesel Reactors (2x2.6 : 1x3)	8200 per reaction
6	<i>Filtration Systems</i> CF-8M Filters	
1	Glycmix #1 tank	12000
1	Glycmix #2 tank	14000
1	Glycmix #3 tank	30000
10	Settling Tanks (6100)	61000
14	Wash Tanks (6100)	85400
8	Waste water tanks (6k)	48000
1	<i>Westfalia</i> Centrifuge OSA35 02-060	3800 l / hour
3	Pre-Drying Tanks	84000
6	Drying Columns	3000 l / hour
2	Drying columns	Back up
2	Primary Biodiesel storage	64000
2	Pre - despatch tanks	40000
1	18.5 kW Ingersoll Rand Compressor	
1	<i>Denco</i> Air Dryer	
1	<i>Ideal Standard</i> CXA Gas fired boiler	BTU
1	<i>Kayanson</i> Gas fired Boiler	BTU
1	<i>Riello</i> Gas fired Boiler	BTU

- **Working plant – available for inspection**
- **Inclusive of all gantries, pipework, valves and control systems.**
- **Laboratory**

HP5890 Gas Chromatograph / Metrohm 793 Titrino ; 703 Stand ; 743 Rancimat
Dr Lange Laser 30 (COD) ; LT200 / Analogue & Digital balances ; Acer computer

- **Rest Room with all facilities plus Shower Room– 2 Toilets**
- **Office Suite with furniture, telecoms, computers, storage**
- **Maintenance area complete with Racking and Tools**
- **Metering house with Avery Hardol pump & Veeder Root ticket printer.**
- **CCTV and Alarm system**

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