

Case study 616

Tank installation overseen by Sykes Pumps

When one of the UK's largest supermarket chains required an underground tank for a new petrol station, pumps were needed to help remove nuisance groundwater. The project was overseen by a regional civil engineering company specialising in remediation schemes, and they approached us knowing that we could propose a viable solution. They needed to dig down 5 metres but encountered the water table after 3 metres – hence the need for our intervention.

Having received their enquiry, we sent one of our regional experts to the site in Dorset in order to recommend a suitable hire package. Following this assessment it was decided that we should install a ring of wellpoints around the hole to draw the water down and dry out the soil below the surface. These were used in conjunction with a 6" super silent pump and 60CFM vacuum model, with a silent unit specifically sought due to potential noise issues.

Our quick response to the problem meant that an efficient dewatering system was put into place at short notice, thus enabling the foundations for a concrete base to be laid almost instantly. The client was very satisfied with our efficient service which meant the overall assignment was completed within the expected timeframe.



Performance Max head: 31m, Max flow
45 l/s, Max solid: 44mm
Weight 1685 kg with fuel, 1500 kg
without fuel
Dimensions (mm) 2137 x 1250 x 1535
Noise level @7m = 58 - 65 dBA
Fuel tank capacity 158 litres
Pipe connections Suction: 4" Table D,
Discharge: 4" Table D, Bauer couplings
option
Fuel consumption Full load @ 1800rpm:
5 litres/hour
Energy efficient duty point Fuel
consumption @ 1500 rpm: 2.25 l/h



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