

# Case study 641

## Flood averted thanks to Sykes' Rapid Response pump

When a major utilities contractor was faced with addressing a burst water main in South London, it was essential they reacted quickly to ensure the opportunity for damage was limited. The company in question was under pressure to respond within a small timescale – per their contractual obligations – and required a pump that could be transported quickly and commissioned soon after reaching site.

The scale of the incident meant there was undoubtedly scope for a serious flood to sweep a highly-populated residential area, but the immediate reaction of our client's engineers helped stem the flow of water before additional assistance arrived. Any solution would also have to be discreet as the affected area was in the centre of a highly-populated neighbourhood.

Once the utilities company were made aware of a potentially devastating situation, our trailer-mounted Rapid Response pump was connected to the back of an available service van and driven straight to the site to be deployed for use. Unlike with other models, there was no need to source a delivery lorry nor use any lifting machinery to crane an appropriate pump on board. The time saved avoiding this initial phase of delivery proved valuable and served to tackle the problem at hand far more quickly than would otherwise have been possible.

The customer commissioned our Rapid Response pump within seconds of it reaching the desired zone, diverting all excess water back into the sewers beneath ground. After a few hours, this was replaced by a more permanent pump hire package – comprising of two super-silenced models – but the original first reaction solution proved crucial in preventing anything more catastrophic than a slightly submerged roadway.



Weight 626kg with fuel / 590kg without fuel  
Fuel Tank Capacity 35 litres  
Dimension (LxWxH) mm 2775 x 1650 x 1500  
Fuel Consumption Full Load @ 1800 rpm: 1.99 litres/hour  
Energy efficient duty point Fuel consumption @ 1500 rpm: 1.4 litres/hour  
Noise level @1m= 81 dBA / @7m= 72 dBA  
Pipe Connections Suction: 4" table D / Discharge: 4" table D / Bauer couplings 4" or 3" options  
Performance Max Head: 24m, Max Flow: 36 l/sec, Max Solids: 40mm



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