

Application Report - No.20

Priming



Thames Water required the installation of Pumps to enable the flushing and priming of the transfer main which connects the Thames Water sites at Rye Meads in Hertfordshire and Coppermills located in Walthamstow in North London.

The technical requirement was to supply new diesel pump sets to deliver 500 m³/hr at 4 bar. The transfer main, which consists of 1200mm pipe work 18.7 km in length, would therefore be fully primed within 6 hours.

Selwood designed and supplied two H200 Super Silent Pump sets to fully meet the required duty. Both units have been installed at Rye Meads S.T.W.

The pumps are fitted with CAT 6.6 engines as the prime movers which drive the pumps via a reduction gearbox to give a pump speed of 800 rpm.

The system is now fully commissioned and provides Thames Water with a full and reliable back up system in the event of main pump failure.



H200

Power Requirement	250kW
Pump Speed	800rpm
Capacity	950m ³ /h
Suction Lift	9.1m
Max Solids Size	60mm
Air Handling	24 l/s
Inlet / Outlet Port	200mm
Delivery Head	85m



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