



APE vertical turbine pump prior to shipping

Raw water pumps

APE Pumps has shipped two vertical turbine pumps for installation in a high-volume raw water transfer application in Nigeria.

Designed as single-stage pumps each with an under-floor discharge volume of 4000m³/h at a head of 25m, the pumps will be installed in an existing pumphouse and connected directly to a pipeline feeding adjacent water treatment works.

The value of the order excluding electric motors is in excess of R1-million. APE Pumps, a member of the PSV Holdings group of companies, is one of South Africa's leading manufacturers of vertical turbine pumps.

Besides raw water supply applications such as that of the Nigerian export order, vertical turbine designs are used in steel works and chemical process plants, in effluent disposal and cooling water circulation applications, for irrigation, mine de-watering, pipeline booster and transfer service, and in condensate extraction.

These pumps have several advantages over other designs. Civil works to accommodate them are simpler and cheaper, and the pumps can be suspended in wet sumps, boreholes, rivers, steel tanks or dams, in dry pits with a suction pipe connected to the bellmouth, or as "pot" pumps with various positions of the inlet and outlet branches.

There is no necessity for a pumphouse if weather-proof motors are used, and no danger of flooding electric motors which are mounted above the discharge.

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