



**proquip**  
D I R E C T L T D

## 60 Degree Celsius High Temperature Leachate Pumps

### GENERAL SPECIFICATIONS

The new 60 Dec C high temperature version built with 316 stainless steel for harsh environments specially designed for use in High temperature Leachate pumping applications. This has been achieved with the use of all 316 stainless steel materials and the development of the motor to operate at these elevated temperatures. The elastomers are all in Viton and the motor has a Silicon / Viton mechanical seal.

Anyone who uses pumps in aggressive environments will recognise the enhanced corrosion resistance these materials give the units as a significant advance over the existing range of pumps.

Standard features of the WPSN-HT include:-

- Robust construction using 1mm minimum thickness cold pressed stainless steel sheet components.
- 6-spot welding on each impeller vane – and 6-point contact between each impeller & the hexagonal shaft.
- Special Viton over-sized rubber bearings, stainless steel-reinforced neck rings & water-lubricated top bearing for excellent abrasion resistance.
- Vertical and horizontal operation
- Rugged clip in cable guard, i.e. no securing screws
- Internal strainer
- Special 316SS motor with Viton elastomers and Sic/ Viton Mechanical seal

These qualities, give users the opportunity to handle sea water and contaminated mine- or groundwater together with a myriad of other industrial contaminants and the reassurance that the pump will give long, reliable and efficient operation. The performance range on the WPSN-HT is up to 4m<sup>3</sup>/h with heads up to 120m. 12m<sup>3</sup>/h flows can be achieved up to heads of 65m.

### PERFORMANCE RANGE

Flow rate up to 12 m<sup>3</sup>/hr

Dynamic head up to 120 meters

Motor rating up to 4 kW (4" motor).

Vertical and horizontal position of operation.

Maximum fluid temperature +60°C

Maximum allowable amount of sand: 50 g/m<sup>3</sup>

All parts out of stainless steel AISI 316

Performance Curve tolerance according to ISO 9906 Annex A

### PUMP INSTALLATION AND APPLICATIONS

These pumps are suitable for pumping high temperature leachate or sea water and contaminated mine- or groundwater together with a myriad of other industrial contaminants and the reassurance that the pump will give long, reliable and efficient operation.

### Supplied By:

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