

SQ - SERIES ALL 304 SS - DEWATERING PUMPS

SAMPLE SPECIFICATIONS

1. SCOPE OF SUPPLY -

 $\label{eq:source} Furnish and install TSURUMI Model ______ Submersible Pump(s). \\ Each unit shall be capable of delivering _____ GPM (_____m³/min) at _____ Feet (____m) TDH. \\ The pump(s) shall be designed to pump waste water, without damage during operation. The pump(s) shall be designed so that the shaft power required (BHP)/(kW) shall not exceed the motor rated output throughout the entire operating range of the pump performance curve. Pump(s) shall be of the top discharge, flow through design. \\ \end{tabular}$

2. MATERIALS OF CONSTRUCTION -

Construction of all parts of the pumping unit(s) shall be heavy gage fabricated 304 stainless steel. Impellers shall be of the multi-vane semi-open solids handling design, and shall be slip fit to the shaft and key driven. Internal and external surfaces coming into contact with the pumpage shall not require a protective coating. All exposed fasteners shall be stainless steel. All units shall be furnished with 2" NPT discharge connector. All surface materials and lubricant shall be non-toxic.

3. MECHANICAL SEAL -

All units shall be furnished with a dual inside mechanical shaft seal located completely out of the pumpage, running in a separate oil filled chamber. The oil chamber shall be fitted with a device that shall provide positive lubrication of the top mechanical seal, (down to one third of the standard oil level). The device shall not consume any additional electrical power. Mechanical seals shall rated to preclude the incursion of water up to 42.6 PSI (98.4 Ft.) submergence. Units shall have silicon carbide mechanical seal faces. Mechanical seal hardware shall be stainless steel.

4. MOTOR-

5. POWER CABLE AND CABLE ENTRANCE -

The pump power cable shall be suitable for submersible pump applications. The cable entrance shall incorporates built in strain relief, and a one piece, three way mechanical compression seal with a fatigue reducing cable boot. The cable entrance assembly shall contain a anti-wicking block to eliminate water incursion into the motor due to capillary wicking should the power cable be accidentally damaged.