

Specification text - Sewage pump for dry sump installation

Item	Description	Unit price	Quantity	Total price
1	<p>Sewage Pump as submersible, single-stage block unit in stationary, vertical installation to pump untreated sewage which doesn't attack the pump materials neither chemically nor mechanically. Pump with radially arranged discharge piece and axial pump intake. Service-friendly design due to separate motor and pump casing forming the complete unit.</p> <p>The duty values are guaranteed as per ISO 9906 Annex A .</p> <p>Make:</p> <p>Type - pump:</p> <p>Impeller type:</p> <p>Free ball passage:</p> <p>Type - motor:</p> <p>Ex-proof:</p> <p>Drive:</p> <p>Driven by three-phase A.C. asynchronous motor as per VDE0530</p> <p>Suitable for wet and dry sump installation</p> <p>Operation type S1 even with emerged motor part</p> <ul style="list-style-type: none"> - internal oil cooling - hermetically tight cooling system with water-glycol filling <p>Flow rate: l/s</p> <p>Geodetic head: m</p> <p>Total man. head: m</p> <p>Pumped liquid: C°</p> <p>Discharge piece: DN/PN</p> <p>Suction piece: DN/PN</p> <p>Protection type:</p> <p>Insulation class:</p> <p>Voltage: V</p> <p>Frequency: Hz</p> <p>Motor rated power: kW</p> <p>Motor rated speed: min-1</p> <p>Starting type:</p> <p>Operation type:</p> <p>Electrical connection</p> <ul style="list-style-type: none"> - Type: mm - Length: m - Weight of unit: kg <p>Bearing by maintenance-free roller bearings</p> <p>The sealing casing is directly flanged at the motor with oil filling ex-works (medical white oil)</p> <p>Oil quantity: l</p>			
2	Sealing optional:			
2.1	<p>Shaft sealing by two mechanical shaft seals independent of the direction of rotation with intermediate oil separation chamber.</p> <ul style="list-style-type: none"> - side of pumped liquid: - motor side: 			

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2.2	<p>Both mechanical shaft seals run together in a sealing casing of stainless steel.</p> <p>Sealing of the shaft by two mechanical shaft seals independent of the direction of rotation with intermediate oil separation chamber.</p> <ul style="list-style-type: none"> - side of the pumped liquid: - motor side: 			
2.3	<p>Sealing on the side of the pumped liquid by one mechanical shaft seal entirely made of silicon-carbide. On the motor side by a radial shaft sealing ring of NBR.</p> <p>Materials:</p> <ul style="list-style-type: none"> - pump casing: - motor casing: - impeller: - mobile wear ring: - stationary wear ring: - pump-/motor shaft: 			
3	<p>Dry sump installation</p> <ul style="list-style-type: none"> - base elbow of cast iron DN/PN incl. necessary fixation and sealing material 			
4	<p>Special coating – heavy protection against corrosion, in case of chemical attack: EMU Ceram C0</p> <p>Solvent-free ceramic coating Ceram C0, for surfaces of pumps and motors exposed to the medium.</p> <p>Surface preparation:</p> <p>Blasting of surface as per standard degree 2 1/2 as per DIN EN ISO 12944-4 with a min. peak to valley height of 70 µm.</p> <p>Coating Ceram C0:</p> <ul style="list-style-type: none"> - ceramic coating, min. thickness of layer - colour black - adhesive strength > 15 N/mm² wet adhesion - solvent-free, applied in airless-procedure <p>Additional remark:</p> <p>Please take into account the valid versions of each the DIN EN ISO 12944, the DIN 18364 VOB as well as the product information of the manufacturer.</p> <p>This specification text is generally valid for different pumps and motors. It's meant for a pre-selection. For detailed specification texts please use the texts of our pump selection program Spaix.</p>			