

## Specification text - Contractors pumps

Pos.	Beschreibung	Einzelpreis	Menge	Gesamt
1	<p>Contractors pump as submersible, single-stage block unit in stationary, vertical installation to pump polluted water 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. The duty values are guaranteed as per ISO 9906 Annex A .</p> <p>Make:  Type - pump:  Impeller type:  Free ball passage:  Type - motor:  Ex-proof:  Drive:</p> <p>Driven by three-phase A.C. asynchronous motor as per VDE0530</p> <p>Suitable for wet and dry motor installation  Operation type S1 even with emerged motor part  (Exemption TM-model range, KS5 and KS6)</p> <ul style="list-style-type: none"> <li>- internal oil cooling</li> <li>- hermetically tight cooling system with water-glycol filling</li> </ul> <p>Suitable for wet sump installation S1  Partially with emerged motor S2 with intermittent operation</p> <ul style="list-style-type: none"> <li>- surface-cooled three-phase A.C. motor (TM-model range, KS5, KS6)</li> </ul> <p>Flow rate <span style="float: right;">l/s</span>  Geodetic head: <span style="float: right;">m</span>  Tot .man. head: <span style="float: right;">m</span>  Pumped liquid: <span style="float: right;">C°</span>  Discharge piece: <span style="float: right;">DN/PN</span>  Suction piece: <span style="float: right;">DN/PN</span>  Protection type:  Insulation class:  Voltage: <span style="float: right;">V</span>  Frequency: <span style="float: right;">Hz</span>  Motor rated power: <span style="float: right;">kW</span>  Motor rated speed: <span style="float: right;">min-1</span>  Starting type:  Operation type:</p> <p>Electrical connection</p> <ul style="list-style-type: none"> <li>- Type: <span style="float: right;">mm</span></li> <li>- Length: <span style="float: right;">m</span></li> <li>- Weight of unit: <span style="float: right;">kg</span></li> </ul> <p>Bearing by maintenance-free roller bearings  The sealing casing is directly flanged at the motor with oil filling ex-works  (medical white oil)  Oil quantity: <span style="float: right;">l</span></p>			

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2	<p>Sealing optional:</p> <p>2.1 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"> <li>- side of pumped liquid:</li> <li>- motor side:</li> </ul> <p>2.2 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"> <li>- side of the pumped liquid:</li> <li>- motor side:</li> </ul> <p>2.3 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"> <li>- pump casing:</li> <li>- motor casing:</li> <li>- impeller:</li> <li>- mobile wear ring:</li> <li>- stationary wear ring:</li> <li>- pump-/motor shaft:</li> </ul>			
3	<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"> <li>- ceramic coating, min. thickness of layer</li> <li>- colour black</li> <li>- adhesive strength &gt; 15 N/mm2 wet adhesion</li> <li>- solvent-free, applied in airless-procedure</li> </ul> <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>			