

Ceramic Slurry Pump

Libra Fluid Equipment Co., Ltd

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Ceramic Slurry Pump Parts Material

- Ceramic slurry pump impeller, Liner and frame plate are made of Silicon Nitride Bonded Silicon Carbide, aimed to Wear and Erosion resistant working application.

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- Part of parts are size interchangeable with Warman Pumps as bellow
- 1.5/1B-AH 2/1.5B-AH 3/2C-AH
- 4/3C-AH 6/4D-AH 8/6E-AH
- OEM Works are accept



Ceramic Material Characteristics

- The corrosion and abrasion resistance of ceramic slurry pump parts are highly exceed ones made by high chrome alloy. The abrasion resistance of Si₃N₄-SiC material is 3.13 times as wearable as Cr15Mo₃. However the weight of Si₃N₄-SiC material is only 1/3 of alloy parts.

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- Si₃N₄-SiC (silicon nitride bonded silicon carbide) is a kind of inorganic nonmetallic materials.
- Its wear-resisting performance is 3.13times of Cr15Mo₃ with Mohs hardness 8.9, only after Diamond and Cubic Boron Nitride. Compare with similar products, our ceramic density is about 5% higher than others, and double flexural strength higher at normal temperature.



Ceramic Parts In Stock



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Ceramic Slurry Pump Assembly



The seal in Green is made of Viton fluoroelastomer, which is suitable for high temperatures and harsh chemicals

Ceramic Slurry Pump Assembly



The Back plate liner is made of Ceramic, which is silicon nitride bonded silicon carbide.

Please take care when install this to pump chamber, its easy to broken by Impact

Ceramic Slurry Pump Assembly



The Impeller is made of Ceramic, which is silicon nitride bonded silicon carbide.

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The Volute liner is also made of Ceramic, which is silicon nitride bonded silicon carbide.

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Finally you can install the pump cover and then the whole pump is done, only one thing is to paint the color you prefer.

Thank you

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