



7 Reasons why you should avoid buying cheap, low-quality pump vanes



1



THEY WEAR OUT QUICKLY

The vanes we provide have been tested by multiple manufacturers using different types of graphite. Tests have shown that cheap, low-quality vanes wear out four times faster than the original ones.

2



THEY INCREASE THE PUMP'S RUNNING COSTS

Low-quality carbon vanes wear out faster, generating more carbon dust and leading to more frequent filter changes, ultimately increasing the pump's running costs.

3



THEY INCREASE PUMP RUNNING TEMPERATURES

Low-quality graphite causes pump running temperatures to rise by 10°-20°C. Over time, these higher temperatures degrade the bearing grease, leading to premature bearing failure.

4



THEY WEAR OUT THE PUMP

Cheap graphite is typically too hard and lacks the necessary resilience for the vane to slide smoothly on the stator. This hardness leads to premature wear on the stator's surfaces.

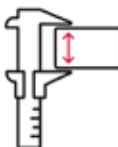
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THEY REDUCE THE PUMP'S EFFICIENCY

Cheap vanes lack the precision needed to meet exact dimensions and tolerances for optimal performance. Oversized vanes can lead to breakdowns, while undersized ones decrease efficiency and lower vacuum performance.

6



THEY INCREASE THE RISK OF THE PUMP BREAKING DOWN

Every vane has a manufacturer-set minimum height that must be regularly checked. Running the pump with vanes below this height can cause breakdowns. Low-quality vanes wear out faster and require more frequent checks, increasing the risk of pump failure.

7



THEY CAN CAUSE THE PUMP TO COMPLETELY FAIL LEAVING YOU WITH THE COST OF A NEW PUMP

When low-quality vanes fail, hard graphite fragments break off, causing severe damage by scratching the rotor and stator surfaces. This often results in irreparable damage, leaving you with the costly need to replace the entire pump.