7 REASONS

WHY YOU SHOULD AVOID CHEAP **LOW-QUALITY VANES**

THEY WEAR OUT FAST

Here at Supervane, we've been testing vanes created from different types of graphite and made by different manufacturers. It's been proved that cheap, low-quality vanes wear out 4 times faster than the original vanes.

THEY INCREASE THE PUMP'S RUNNING COSTS

Low-quality carbon vanes have a higher wear rate. This produces more carbon dust which means you will need to change the filters more often.

THEY INCREASE PUMP RUNNING TEMPERATURES

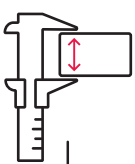
Due to the low graphite quality, pump running temperatures increase by 10°-20°C. Higher temperatures, over time will affect the bearings grease and eventually lead to the bearings premature failure.

THEY WEAR OUT THE PUMP

Cheap graphite is normally hard and does not possess sufficient resilience, which is required for the vane to smoothly slide on the stator. Therefore, hard graphite will cause premature wear to the surfaces of the stator.

THEY REDUCE THE PUMP'S EFFICIENCY

The way that cheap vanes are made means that it is impossible to achieve the exact dimensions and high tolerances that are required to obtain the best performance. If a vane's dimensions are larger than they should be, it would normally break down. If the dimensions are smaller, it leads to a poorer pump performance and lower vacuum.



THEY INCREASE THE RISK OF THE PUMP BREAKING DOWN

Every vane has a minimum allowed height that is determined by the manufacturer. It is recommended by the manufacturers that this height is regularly checked. If you fail to do this and allow the pump to run on vanes that are shorter than the allowed size, it will inevitably break down. The problem with low-quality cheap vanes is they need to be measured 4 times more often than high-quality vanes, and you are more likely to miss a measurement sooner or later.

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

When low-quality vanes break down, sharp chunks of hard graphite break off and cause irrecoverable damage to the pump by scratching the surface of the rotor and stator. This normally means the pump will have to be replaced.