

Vanes are the life-blood of your Becker pump, so why use counterfeits?

You may think you are saving money when you buy cheap vanes, but all vanes are *not* the same, even if they look alike. Where they differ:

- **Grade of Graphite**

Carbon/graphite vanes may look alike, but there are widely varying materials used in their manufacture. Each has a particular function to meet the need that we specified; it may be wear rate, hardness, temperature range, chemical resistance, or lubrication ability. Only Becker knows that combination. Any company can go to a carbon supplier and purchase inexpensive look-alike vanes, but you'll end up paying the price for low quality in the long run.

- **Hardness**

A vane that is too soft will wear out prematurely; a vane that is too hard will damage the pump cylinder wall and may cause wash-boarding. Many decades of extensive research by Becker is behind the choice of vane hardness that is ideal for our pumps. In fact, no company in the world has more experience with dry vane pumps—we invented them.

- **Binder**

The material that is used to hold the carbon particles together, called the binder, is critical to the wear rate, chemical resistance, noise level, and thermal degradation of the vane. Becker uses different binders for different models, depending on their specific needs.

- **Cylinder Surface Finish**

Our decades of experience make us experts at knowing the exact surface finish that works best with the specific vane material. If the combination is not just right, then rapid wearing of the vane or high noise levels will result.

- **Tolerances**

If the vane tolerances are not perfect, the vane will either stick in the slot or will cup on one side, which can lead to breakage. Our vanes are precisely machined to the tolerances and matched to the vane slots.

- **Profile**

All Becker vanes are manufactured with a leading edge profile that permits rapid seating of the vane to ensure maximum vacuum and flow. To save cost, counterfeit vanes may be square cut or slightly rounded, but both designs require longer wear-in times.

- **Identification**

Only Becker vanes have the Becker manufacturing identification numbers etched into the bottom of the vane, which is a non-wearing location, so you know if you are getting genuine Becker vanes.

871728 BG 21 BECKER WN 124-196
875194 BG 21 BECKER WN 124-031
867077 BG 21 BECKER WN 124-034
867167 BG 21 BECKER WN 124-162
BG 21 145848

Counterfeit vanes have no marking on them:

Buy only genuine Becker vanes!

