

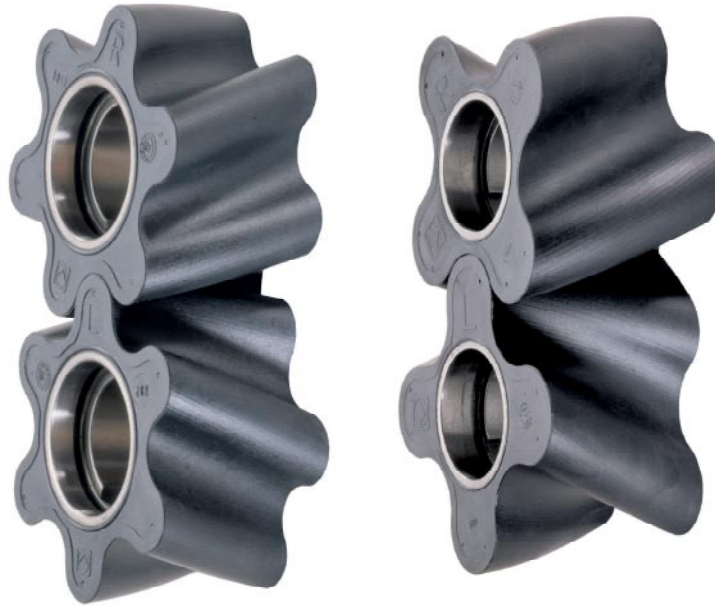
Advantages



VOGELSANG

Sludge Pump
Division

Vogelsang's exclusive HiFlo Rotary Lobe design comes in a six-wing configuration for our V100 series pumps and a four wing configuration for our VX136 & VX186 series pumps.



Tech Tip

Advantages of Vogelsang Rotary Lobe Pumps

Like progressing cavity pumps, rotary lobe pumps belong to the pump type known as positive displacement pumps. Due to its compact design, a rotary lobe pump can be advantageously used even for high discharge rates. In the following the special benefits of rotary pumps are described in comparison to progressing cavity pumps.

No vibration in Voglesang Rotary Lobe Pumps

An important difference between the Vogelsang pump and a PC-pump is the type of bearing arrangement for the rotating elements. In a PC-pump the rotating "rotor" is supported only by the elastic "stator". No extra bearings support the rotor which is rotating eccentrically with the center of gravity moving up and down.

Vogelsang HiFlo® Sludge Pump



The rotating elements of a rotary lobe pump, on the other hand are supported by 100,000 hour B-10 life bearings. There is no eccentric movement and therefore no inertia forces that would limit the rotational speed.

In addition, Vogelsang lobe pumps are equipped with helically twisted HiFlo lobes shown above. This means no vibration or pulsation caused by the geometry of the lobes. There is no vibration caused by the rotational speed of a Vogelsang pump thus they can be run much faster than a progressing cavity pump. This drastically increases the life of the lobe pump when coupled with a variable speed drive arrangement.

In addition to the above advantages, the use of Vogelsang rotary lobe pumps, will reduce the wear and tear on down stream piping, valves, flow meters, with it's 100% pulsation free pumping action.

For more information, visit our website at www.vogelsangusa.com, to locate a local distributor, or contact Vogelsang direct at 800-984-9400.

Sludge Pumping, Macerating & Distributing Products

800 984 9400
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