

MAXimum Performance

PRODUCT

vMAX™ 2x2
vMAX™ 4x4



APPLICATION

Heavy Media Sumps Magnetite Sumps
Flotation Sumps



INDUSTRY

Mining
Potash



The Challenge

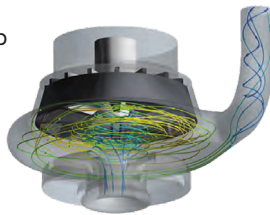
A Welco client required a pump with the ability to handle multiple applications with ranging densities – A pump that could go the distance.

The pump would be utilized for five variable applications, including: heavy media sumps, flotation sumps, and make up magnetite sumps along with two proprietary streams.

The Solution

Welco determined the FLSmidth vMAX™ 2x2 vertical cantilever pump would be perfect for heavy media and proprietary streams while the vMAX™ 4x4 would facilitate flotation and magnetite make up sump applications. Flow requirements were within 300 and 600 US gallons per minute (USGPM) for all.

The vMAX™ design incorporates a recessed impeller, a feature not offered by competitive products, allowing for passing of large solids and operation without the need for sump level control.



Modeling of vortex effect created by vMAX impeller

FLSMIDTH



vMAX™ Vertical Cantilever Pump

The Outcome

The pumps have been operating since 2019 with no recorded upsets or irregular events, providing reliable and continuous operation.

5 APPLICATIONS

2 STREAMS

2019 OPERATING RELIABLY SINCE

300
to
600
USGPM

vMAX™ KEY FEATURES

Large solids passing size

Extended wear life

No sump level control required

Easy to operate

Easy to maintain

No agitator required

Welco provides clients with industry-leading equipment and insight for industrial mixing, moving and pumping applications.

Our team is comprised of people who work with you and for you. They are a proactive group of technical experts with the knowledge and experience to provide you with smart, creative and cost-effective solutions.

