

One Source

# Krebs® vMAX™ vertical cantilever pump



**Extreme duty vertical cantilever pump  
for sump and process duties**

**FLSMIDTH**  
**KREBS**

# vMAX™ Metal Vertical Pump

## vMAX™ Product Applications

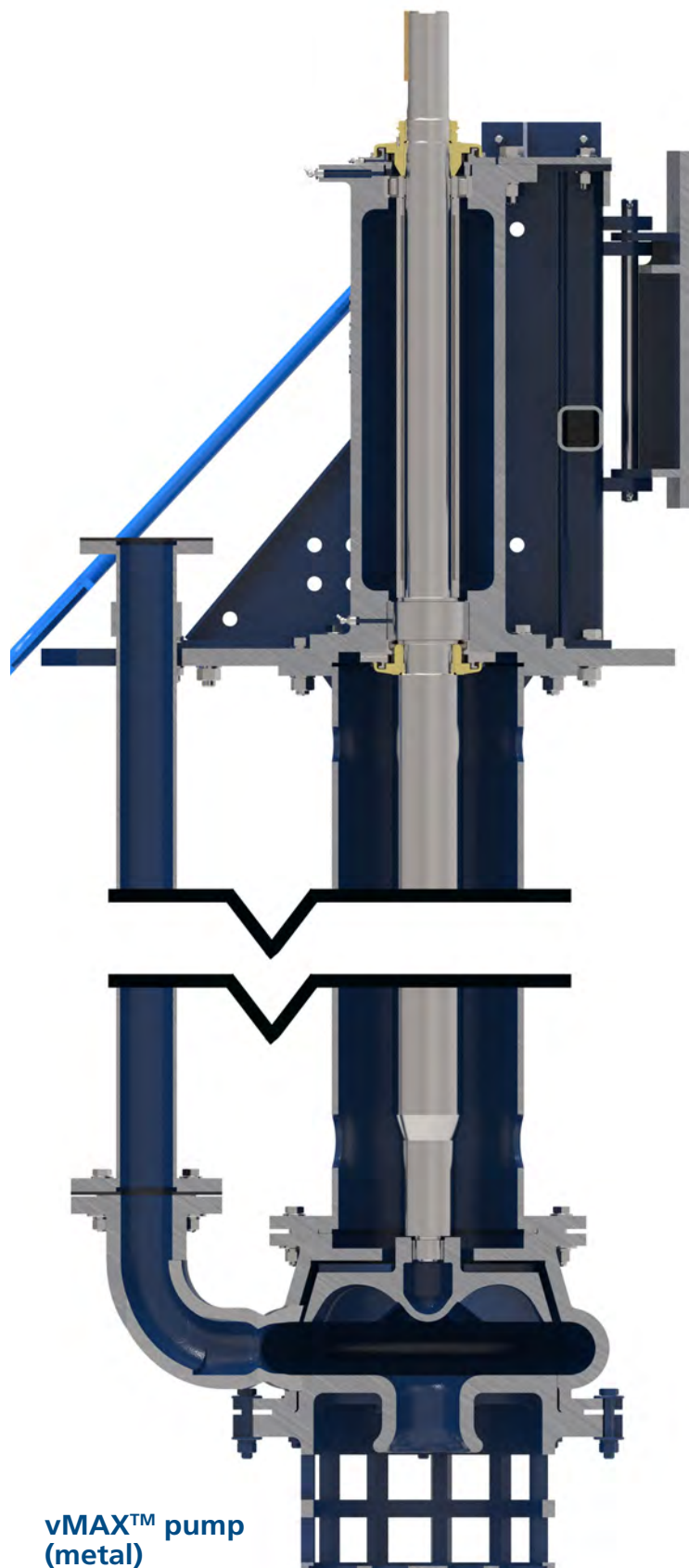
- Mining and mineral processing
- Carbon transfer
- Industrial processing
- Heavy-duty abrasive slurries
- Power Plants
- Dewatering
- Plant floor cleanup
- Low ph applications

### vMAX™ pump (standard metal)

The vMAX vertical cantilever hard metal pump has been developed for plant cleanup duties with tramp materials that can block conventional impellers. The cupped open impeller is recessed in the casing to pass large solids at 50% of the suction diameter. When the sump has been emptied of slurry, the vMAX's fully recessed impeller design allows the solids to return down the discharge pipe without choking the pump. As the sump level rises, the vMAX will discharge the slurry until the level is below the suction pipe, at which point the slurry in the discharge pipe can return safely to the sump. In conventional sump pumps, the returning solids impact the impeller and cause violent vibrations which can lead to catastrophic failure. The vMAX has been specifically designed to eliminate the need for level control.

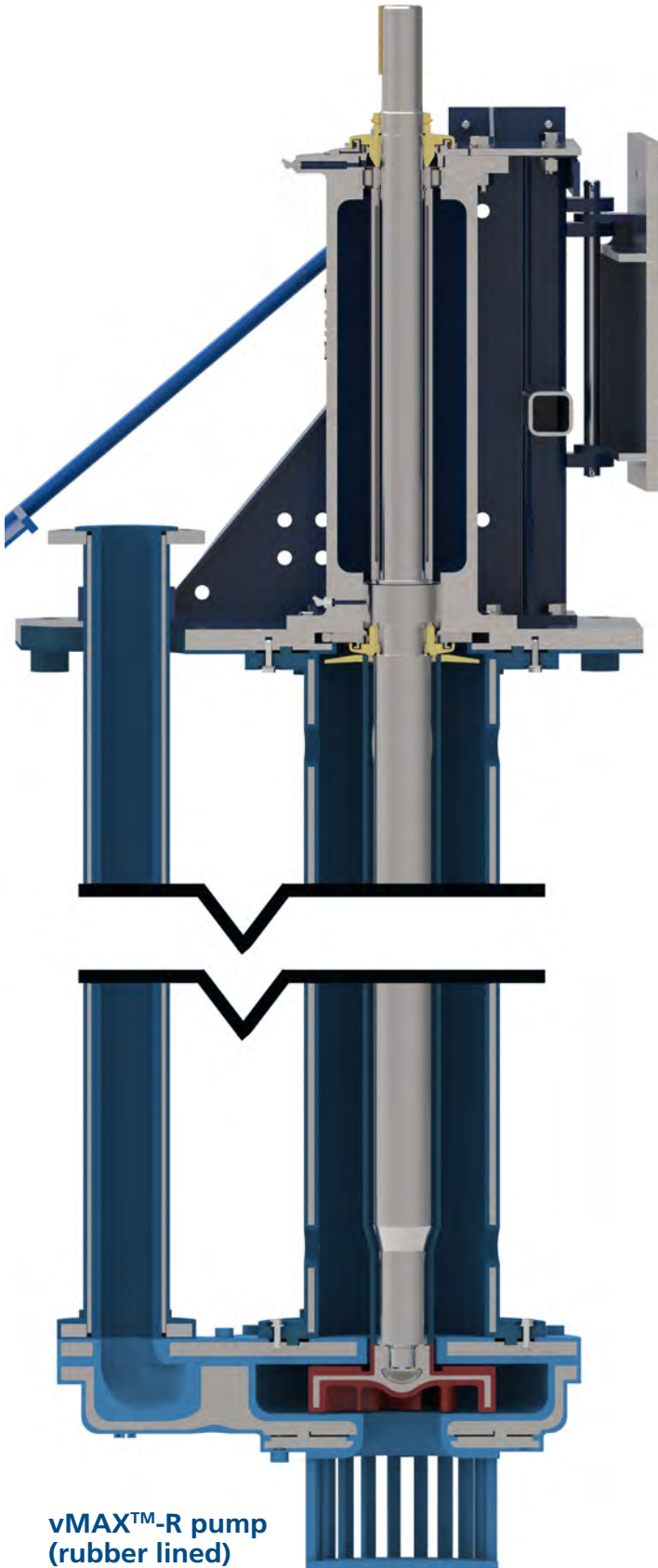
The casing is configured for bottom suction only to prevent the buildup of solids in the sump. Leakage from the back of the casing is prevented by the high-performance expelling vanes on the back shroud of the impeller.

Product Size Range	Metric
2x2	50
3x3	80
4x4	100
6x6	150
8x8	200





# vMAX™-R: Rubber Lined Vertical Pump



## vMAX™ Product Benefits

- Large solids passing size
- Long wear life
- Corrosion resistance
- Fine solids abrasion resistance
- No sump level control required
- Prevents solids settling at the bottom of the sump

## vMAX™-R pump (rubber lined)

The vMAX-R rubber lined cantilever vertical pump has been developed for the most difficult corrosive slurries with finer solids. Every part that could come into contact with the slurry is elastomer lined to ensure reliability. With multiple material options such as neoprene or chlorobutyl, the vMAX-R is adaptable to many different acid and slurry temperature combinations.



vMAX™ installation with a standard motor mount configuration. Other configurations are available.

# vMAX™ for sump and process duties

[www.flsmidthkrebs.com](http://www.flsmidthkrebs.com)



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