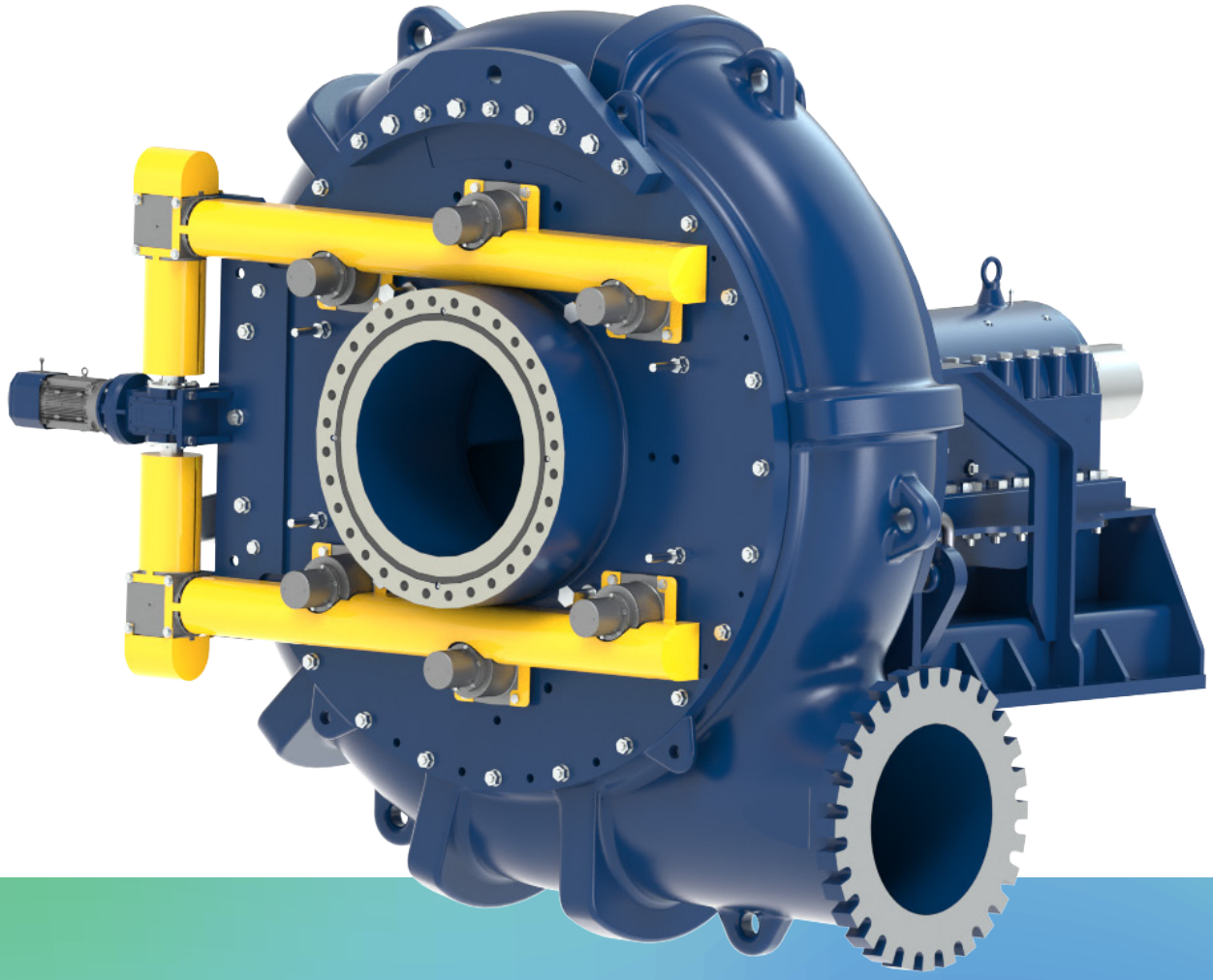
KSB

Solutions. For Life.

GIW® MDX



Mill Duty Extra Heavy Pump for Severe Duty Applications

*GIW® MDX shown with GIW® RAMSL technology, available on GIW® MDX-400 L series and larger.

Reduced Downtime by Matching Life Cycles

Select the GIW® MDX pump for your next mill circuit application to help ensure cost-effective and continuous operations. The GIW® MDX pump maximizes productivity and minimizes cost by matching operating cycle times with scheduled mill outages.

Features

Lower Specific Speed Design Impeller

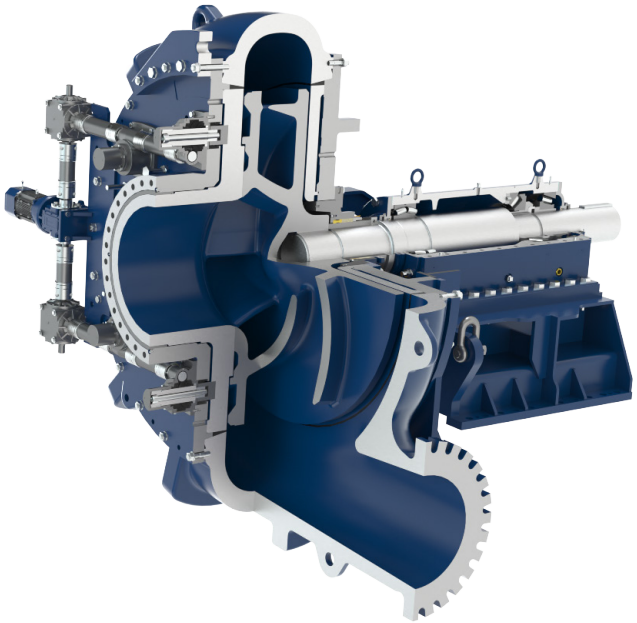
The large diameter impeller results in a slower pump rotational speed in comparison to competing designs, leading to extended wear life. This design allows the pump to better meet the variable flow conditions encountered in mill circuits.

Impeller

Designed to efficiently transport aggressive slurries while maximizing pump performance and wear life, and minimize vibration.

Longer-Wearing Materials

KSB offers a wide range of white iron materials designed specifically to resist the abrasive nature of aggressive slurries processed by GIW® Slurry Pumps. These materials result in long and reliable pump service life.



*RAMSL guards hidden for clarity.

Deep Base Circle

Minimizes aggressive particle impingement and encourages “sliding” wear. Typical abrasive wear drops dramatically.

Slurry Diverter

Innovative technology that dramatically increases suction liner life by reducing particle recirculation between the impeller and liner.

Oversize Shrouds

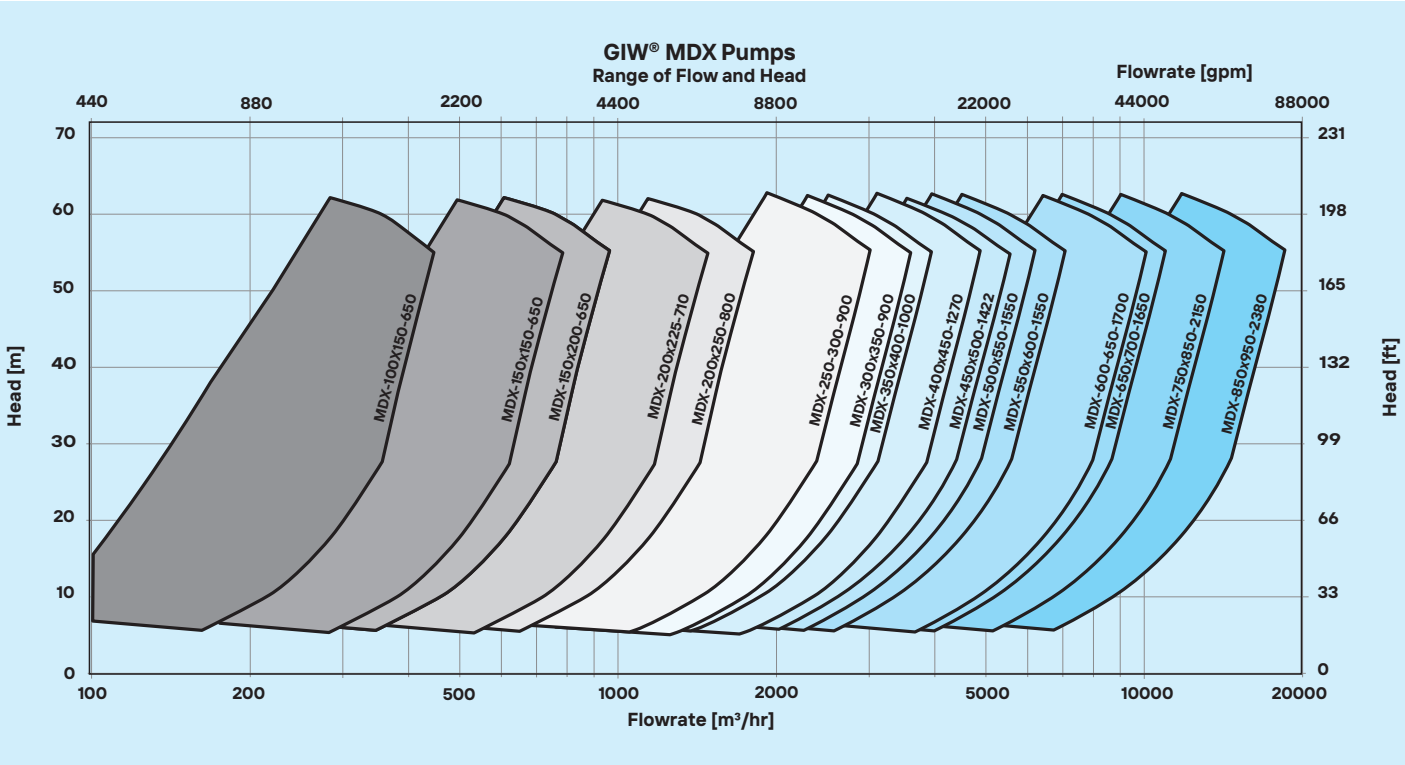
Larger shrouds and extended vanes work in conjunction with the slurry diverter to provide additional clearing action, further reducing recirculation and grinding wear between the impeller and suction liner.

Adjustable Suction Liner

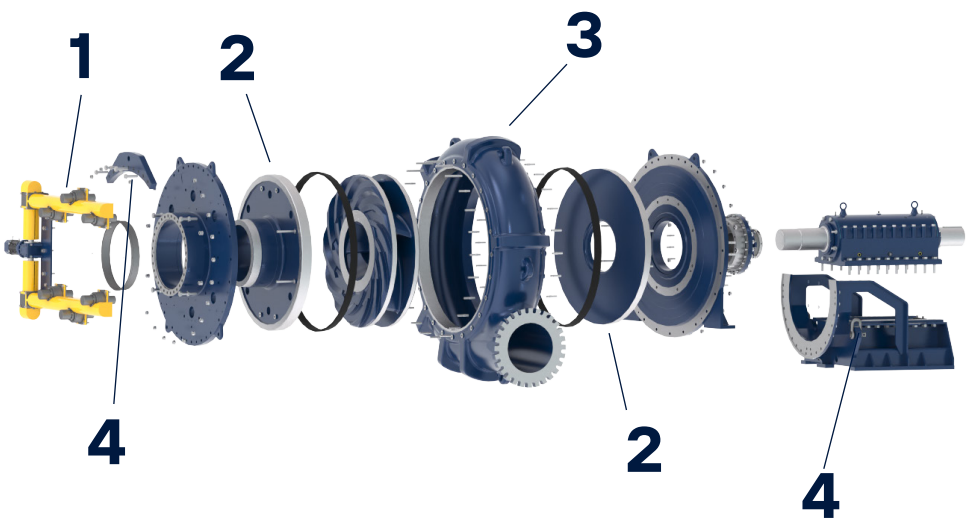
Features outstanding adjustment capabilties. Nose gap adjustments can be on the wetend side instead of the mechanical end side, reducing downtime and extending wear life.

Technical Data		Applications
Discharge	100-860 mm	- SAG, Ball and Rod Mill Discharge - Cyclone and Screen Feed
Flow rates	up to 18,500 m^3/h (up to 81,454 gpm)	
Total head	up to 55 m (up to 180 ft)	
Pressure rating	up to 10.3 bar (up to 150 psi)	

Range of Flow and Head



Custom Options



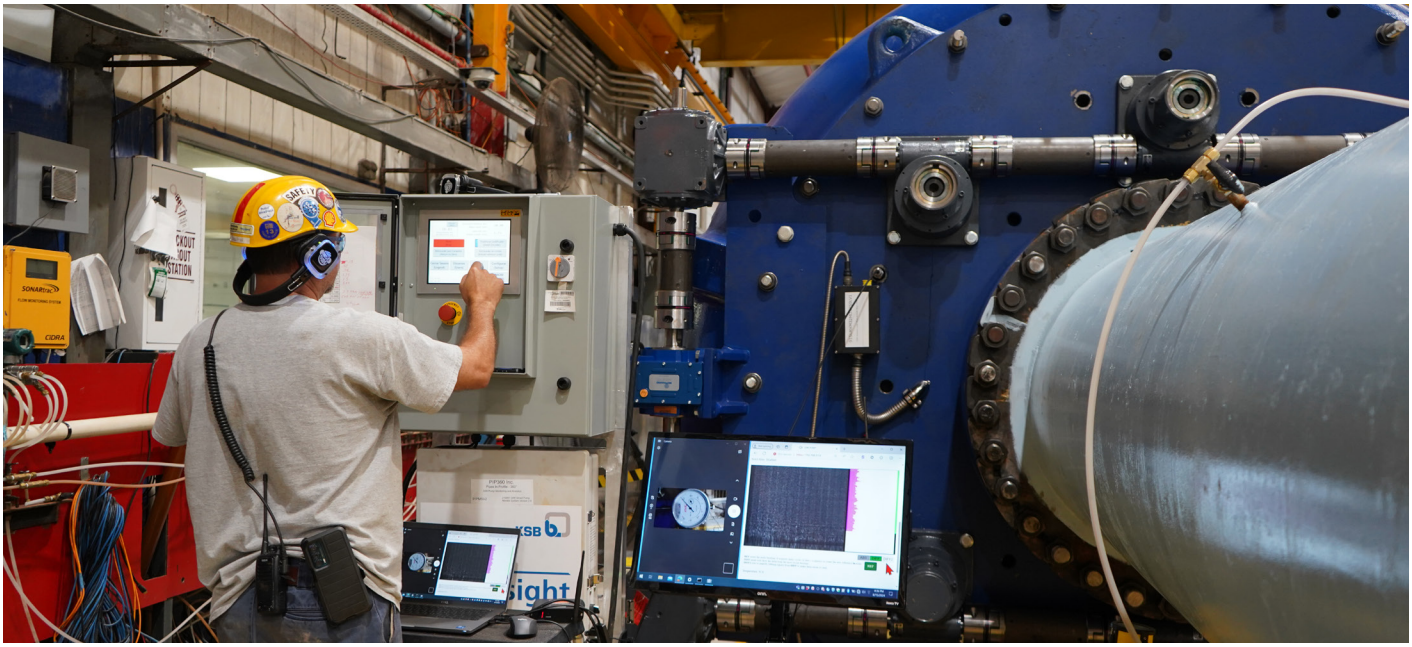
AVAILABLE OPTIONS

1 IoT Solutions, GIW® RAMSL and GIW® SLYsight, can be added to improve performance and reduce wear

2 Suction liners are available in a wide variety of white irons; features reduced suction eye diameters and custom inlet geometries

3 Open back casing offered on larger sizes for right or left hand pumping applications

4 Full pump lift options are available



GIW® SLYsight and GIW® RAMSL installed on GIW® MDX Pump.

The Future of Pump Technology

KSB is committed to pushing the boundaries of pump technology. GIW® SLYsight and GIW® RAMSL represent our dedication to innovation, providing our customers with the tools they need to maintain their equipment more effectively and efficiently. By embracing these advanced technologies, we are helping to shape the future of pump monitoring and maintenance.

GIW® RAMSL

A mechanized system designed to simplify the adjustment of the impeller nose clearance, vital for optimal wear performance. Traditionally, this adjustment required a team with hydraulic wrenches, making it time-consuming and labor-intensive. GIW® RAMSL now allows this adjustment with the push of a button, using computer automation to track and actuate changes. This saves time and reduces physical labor, making maintenance more efficient and less burdensome.

GIW® SLYsight

Monitoring slurry pumps is challenging, as operators typically observe them only when new or worn out, leaving a gap filled with guesswork. GIW® SLYsight offers daily insights into pump conditions, allowing operators to monitor critical aspects like internal clearances, crucial for managing wear. This real-time visibility helps KSB and its customers understand pump performance better, leading to more informed maintenance decisions and improved pump longevity.

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