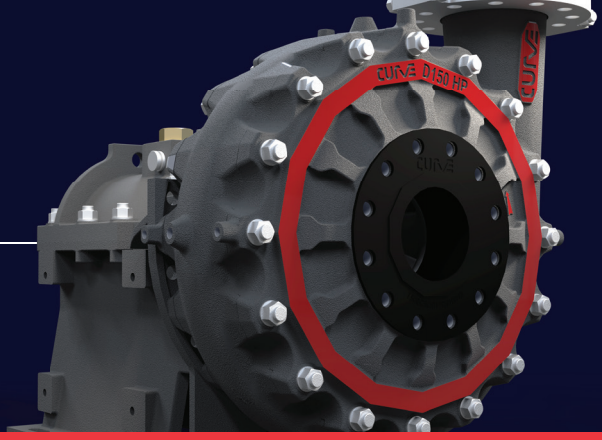
pump & abrasion TECHNOLOGIES

CURVE® D150 Dewatering Pump

Reducing Impact & Improving Performance



Increased Efficiency | Longer Wear Life | Improved Head | Improved Sealing Arrangement | Ease Of Maintenance

Water management is a persistent issue in mining that can have a significant impact on efficiency, safety, and profitability. To address issues such as water buildup and flooding, effective dewatering strategies are crucial.

A dewatering pump is a centrifugal pump that is specifically designed to remove water. It uses centrifugal force to pump water out of the location and away from the site. They are durable, efficient, and can handle large volumes of water, making them ideal for removing excess water and preventing flooding. Dewatering pumps can be installed in a variety of places, such as construction sites, mines, tunnels, and buildings where the groundwater level is above the structure. The specific type of dewatering pump used depends on the type of media being pumped and the location where it is being used.

Pump & Abrasion Technologies is dedicated to reducing the costs associated with dewatering pumps and their maintenance. We achieve this by employing smart pump selection strategies, using advanced material compositions, and implementing innovative designs. By partnering with us, engineers can confidently allocate more of their budget towards other critical projects.

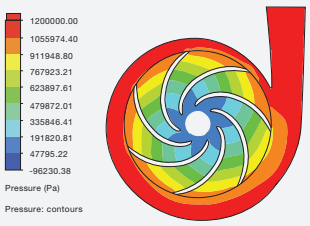
CURVE D150 DEWATERING PUMP

Features & Benefits

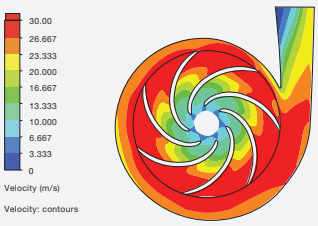
Experience The Difference With Optimized Flow Profile Designs For Increased Head & Improved Efficiency.

Our innovative approach to the internal flow profile design has significantly improved the performance of Curve® Dewatering pumps. By reducing the change in flow direction, we have achieved a substantial increase in total head and efficiency.

This solution provides the flexibility to pump at higher heads or, alternatively, to reduce operational speed and decrease power consumption while extending wear life.



Optimized Pressure Contour Distribution



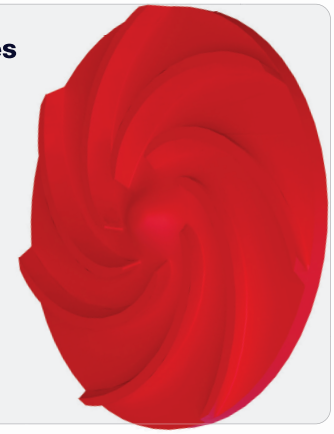
Optimised Velocity Contour Distribution

Dual Axial & Vertical Sealing Surfaces To Reduce Recirculation

Wear and tear in the eye of the impeller is a significant challenge faced by many. At Pump & Abrasion Technologies, we understand the importance of effective sealing between the impeller and the suction liner. By incorporating a vertical and horizontal (axial) seal, we significantly reduce recirculation in the pump. The result is a drastic improvement in efficiency and a decrease in wear life, ensuring the longevity and reliability of your pumps.

Fully Profiled Vane Profiles (Incidence Angled Vanes)

Pump & Abrasion Technologies used modern design techniques to fully profile the vanes of the impeller. This optimally directs the flow entering the eye of the impeller onto the vanes, resulting in even wear distribution of the impeller.



Low-Pressure Option

The low-pressure version allows clients the opportunity to receive all the benefits of the Curve® dewatering pump, at a lower cost.

High-Pressure Option

The high-pressure pump, which is more expensive, can handle larger pressures and can be connected in series when more total head is required.

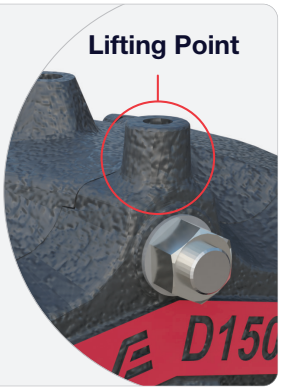
Features & Benefits Continued

Effortless Integration With The Curve Dewatering Pump

Upgrading your system should not require extensive modifications & headaches. Pump & Abrasion Technologies understands this & has designed the Curve® dewatering pump to be fully compatible with the most common high-pressure dewatering mechanical ends.

Additional Lifting Points To Aid In Pump Assembly

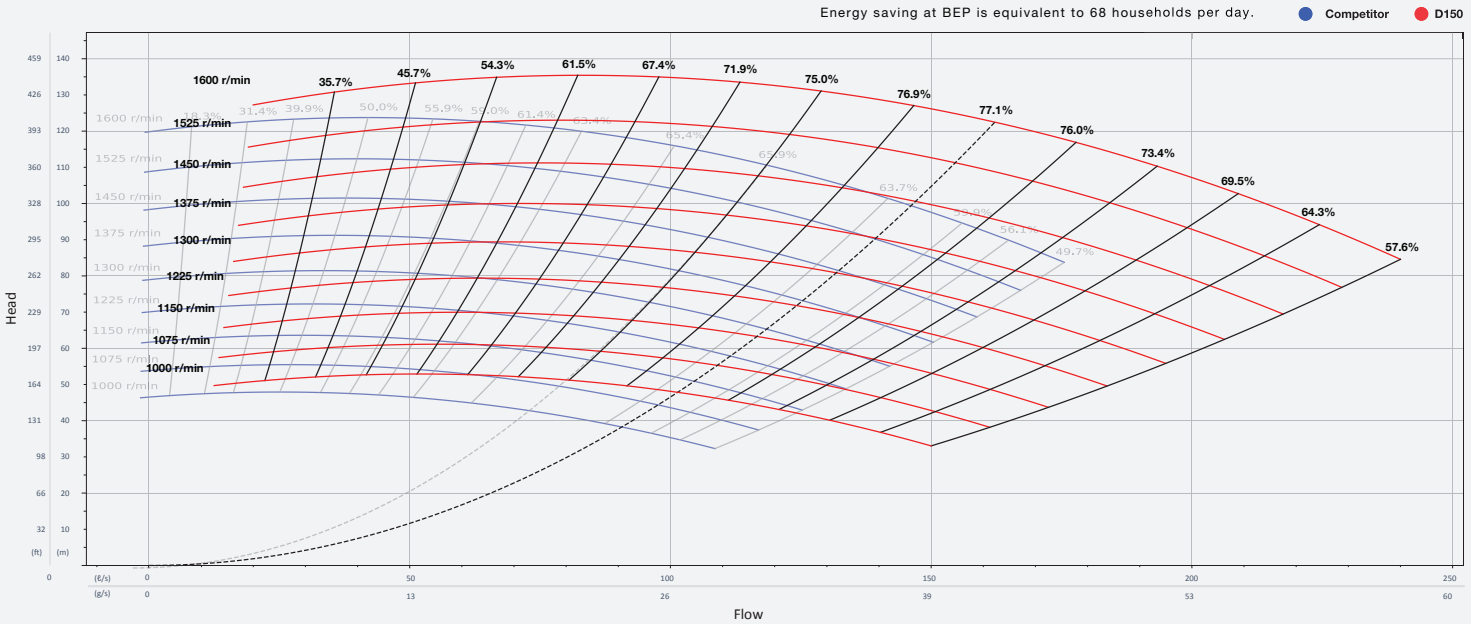
We are dedicated to simplifying and improving the pump assembly process. The D150 dewatering pump features additional lifting points on the frame plate, cover plate, and volute, reducing assembly time, making maintenance easier, and enhancing safety by reducing the risk of handling.



Hardened Shaft Sleeve For Use Of High-Spec Packing

Heat treatment improves the hardness of the shaft sleeve, enabling the use of high-spec packing. This significantly prolongs the life of the sealing arrangement, extending maintenance intervals.

Performance Curve



CURVE® D150

For More Information Visit Our Website Or Scan The QR Code.

Use your phone's camera & scan the QR code to view more information on the Curve® D150

Speak To A Pump System Specialist Today

Our business is built on the foundation of decades of earning our valued clients' and partners' trust, only made possible by consistently delivering unparalleled service excellence. This includes all of our exclusive service offerings, and our 24hrs a day, 7 days a week, 365 days a year after sales support. Available no matter where you are in the world.

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