

## Enhancing Mining Equipment Efficiency with Red Valve Slurry Knife Gate Valves

Red Valve's Slurry Knife Gate Valves are often used as isolation valves on many different types of equipment such as hydrocyclones, pumps, mills, dewatering presses, grinders, bins and tanks. To remain profitable, processing equipment must remain operational. The harsh demands placed on this type of equipment by mining operations requires valves that are rugged and reliable.

Regardless of the type of ore being processed, the machinery must deal with a high amount of solids, abrasive materials, corrosive chemicals and variables such as velocity, temperature and viscosity. Mine operators need complete control over the process by being able to reliably divert flow, open hoppers and isolate machinery for maintenance. Knife Gate Valves are required to operate for long periods of time without clogging or jamming. Maintenance must be able to be performed quickly and easily to minimize downtime.

Red Valve Slurry Knife Gate Valves meet the needs of processing equipment because they are designed specifically for the most rugged mining operations. They have excellent abrasion resistance and are ideal for high solids applications. These reliable Knife Gate Valves are engineered for operator dependability, low maintenance and low downtime.

When the Slurry Knife Gate Valve is open, its full-port ensures unobstructed flow through the line. Upon closure, the valve delivers drop-tight, bi-directional shutoff. A heavy-duty stainless steel gate passes through two rugged elastomer slurry seats, purging the valve body clean and enabling prompt closure as needed. The slurry seats offer exceptional wear resistance and can be easily replaced. Standard flush ports prevent the accumulation of fine materials.

Red Valve Knife Gate Valves are ideal for on/off applications where frequent cycling of valves is not required. Issues such as valve corrosion or binding due to slurry dewatering in the valve seat and chest area are effectively eliminated.



*KDX - Series DX Slurry Knife Gate Valve*



*KFD - Series D Slurry Knife Gate Valve*