

Stafsjö Sets New Benchmark for Maintenance-free KGVs at Recycled Paper Mill

Abrasive items, such as staples, glass, wires, and plastic, present a challenge in recycled pulp mills and, when trapped within a valve's interior, can cause jamming. A large mill in the northeast USA was refurbishing the isolation valves installed on their high density cyclone cleaners every six to eight months. Each time, they would have to fabricate new parts for the valves at a local machine shop and incur maintenance time and expense.

The RKO design prevents contaminants from causing valve jamming

The Staffsjö RKO Knife Gate Valve (KGV) is specifically designed for the rigours of cyclone cleaner isolation and reject service. A rectangular outlet with blade guide strips prevents debris from becoming trapped in the valve. The bottom of the blade never fully retracts into the valve chest, leaving little to no chance of foreign objects being pulled into the packing area. This helps to eliminate jamming and maintain the valve's packing seal integrity.

Mill personnel decided to test four Staffsjö RKO's in cyclone cleaner isolation and reject service. The valves remained in service for two full years before the seats had to be replaced. Rather than requiring refurbishment every



Staffsjö's RKO is reliable and particularly well suited for demanding reject and other abrasive media. The valve's circular inlet and square outlet, together with the gate, counteract clogging and blockages.

six to eight months, the RKO's only needed periodic packing adjustment, saving the mill time and money.

The RKO outperformed other cleaner isolation valves by 2-4x

The Maintenance Superintendent declared that the RKO's: "Established the record for being maintenance-free" in the mill. The RKO has proven that it outperforms others in severe services such as pulper isolation, scavenger and detrasher applications.