

ARVALV through-port knife-gate valves for abrasive, scaling applications

ARVALV through-port knife-gate valves have long been the product of choice for challenging abrasive and scaling applications at plants and facilities where extended service life is a must.

The ARVALV range is manufactured, stocked, and serviced by AR Controls, a leading importer and manufacturer of a comprehensive range of internationally-recognised valves and instrumentation. The company also boasts the largest product inventory of any similar company in Africa.

“The fact that we are a leader in the African valve industry means that we can back-up our ARVALV range with dependable service, in addition to offering competitive pricing and good lead times,” AR Controls Director Julien van Niekerk comments.

A particular design feature of the ARVALV range is that, unlike traditional push-through knife-gate valves, the partially-energised seats remain in their natural state when the gate is retracted. This is due to the unique through-port gate, which makes permanent contact with the seats, even when fully open.

Slurry knife-gate valves utilising fully-energised sleeves that need to expand sufficiently to form a seal with the gate retracted are prone to premature wear due to entrapped solids, which damage the seat the next time the gate is closed,” AR Controls Mechanical Engineer Sune Huyser explains. This problem is eliminated by featuring a through-port gate, which not only results in an extended service life, but increases plant availability as well.

The ARVALV range has been tried, tested, and proven to deliver superior performance in the following: dewatering slurries (such as ferrosilicon), cyclone suction/feed applications, dense media separation, concentrate transfer, booster and TSF tailings, pump isolation

applications, wet and dry hopper applications, pulp and paper feedstock, and pulp and paper liquor applications.

From concentric, double offset and triple offset butterfly valves to general and severe-service ball valves, non-return valves, linear knife gate valve products, and associated actuation and controls, AR Controls offers complete turnkey solutions for the African mining industry.

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