Polymer Handling Valves for Petrochemical Polymer Manufacturing

DeZURIK has provided dry material handling valves for over 50 years. Today, our diversified line up of knife gate valves delivers on the demanding performance requirements in petrochemical, post-process dry polymer material handling.

Drawing on years of knife gate valve experience, DeZURIK can provide all the valves in your dry polymer handling systems from basic shutoff, lock hopper isolation, standing column to the more exotic Y patterns and complete manifolds. Our expertise in these systems allows us to custom match our valves to your exact dry material and flow control needs, from powders to pellets, DeZURIK has the experience and the right valve for your application.

Application: Post-process finished product handling, powders, pellets.

Valve Applications:

Block isolation, blower isolation, lock hopper standing column isolation, Y-Pattern, manifold systems, air conveyed, Rail car loading systems, fluff vessels, batch and color contamination control.

Material Handling Knife Gate Valves

1) DeZURIK KGC Cast Stainless Steel Knife Gate Valves: metal seated, multiple alloy options, Rounded-machined packing stuffing box, rounded edge gate, live loaded packing systems (2-36").
2) DeZURIK KGC-BD Bi-Directional Cast Stainless Steel Knife Gate Valves: soft seated, bi-directional, rounded edge gate, round-machined packing stuffing box, live loaded packing systems (2-36").
3) DeZURIK KGY Mixing & Diverting Knife Gate Valves: Y-pattern integrated manifold piping systems.
4) HILTON H-290-B Material Handling Knife Gate Valves: fabricated standing column closed bonnet designs. Piping, square or rectangular hopper matched flanges, multiple alloy options (4-120").

Automation Options

1) Lock-out hardware
2) Pneumatic and hydraulic cylinders, electric motor operated
3) Fail open, fail close, fail last
4) Integrated proximity position indication feedback pickups
5) Solenoids, 12/24VDC, 120/240/460VAC triggered
6) DCS compatible positioners

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