



## **DeZURIK Bi-Directional Knife Gate Valves For Wet Gas Scrubber Applications**

**Valve Application:** Petroleum Refining

**Unit Application:** Wet gas scrubber systems associated with flue gas discharge from FCCU, CCR, Platformer and Reformer units.

**Valve Applications Within the Units:** Quench, spray and recirculation water isolation valves. Purge treatment unit and clarifier isolation and drains.

**DeZURIK Valve Model:** KGC-BD with Hardened gate treatment, AFLAS (live loaded) packing system. Bevel gear with lock out device.

### **Materials of Construction Options Include:**

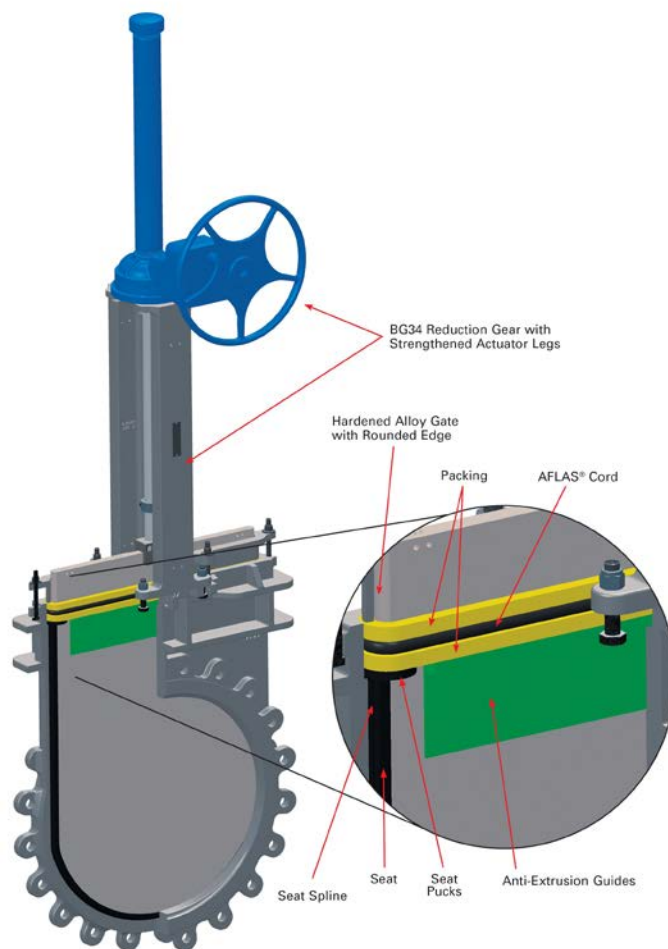
**BODY:** 304 Stainless Steel, 316 Stainless Steel, 317 Stainless Steel, 254-SMO Stainless Steel, 2205 Duplex Stainless Steel, Hastelloy C

**GATE:** 304 Stainless Steel, 316 Stainless Steel, 317 Stainless Steel, 17-4 Stainless Steel, 254-SMO Stainless Steel, 410 Stainless Steel, 2205 Duplex Stainless Steel, Hastelloy C



## DeZURIK Advantages in Wet Gas Scrubber Applications

1. BG34 reduction gear reduces operator effort for ease of manual valve cycling.
2. Hardened gate treatment reduces erosion from entrained, circulating spent catalyst fines.
3. Heavy duty gate with full reverse flow capability.
4. AFLAS live loaded packing system reduces gate and packing gland leakage over multiple cycles.
5. Patented perimeter seal.
6. Alloy body and gate for corrosion resistance (multiple alloy options).
7. EPDM alloy reinforced seat for hydrocarbon resistance.
8. Machined, rounded packing chamber for enhanced gate seal.
9. Rounded gate edge for enhanced gate seal.
10. Anti-extrusion guides.
11. Integrated open & closed mechanical "Lock-out / Tag-out" devices.
12. Optional proximity switches and/or mounting locations.
13. Replaceable seat seal.
14. Pneumatic and electric automation options.



**Ordering Example:** KGC,24,BD,F1,S2,ASP,S2-EPDM\*MNB-HD16-CS\*YYY084

**Includes:** BG34 Bevel Gear, hardened gate and strengthened actuator legs

### SALES AND SERVICE

For more information, contact DeZURIK

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