



Hilton H-200-B Bonneted Knife Valves & H-110-B Wedge Gate Valves for Flare System Applications

Valve Application: Flare Systems in Petroleum Refining & Petrochemical Processing

Installations within the Flare System:

- Main trunk line isolation
- Unit isolation
- Flare tower isolation
- Full Bore Hot Tap Applications

Hilton H-200-B bonneted knife gate valves and Hilton H-110-B bonneted wedge gate valves are available with multiple body, gate, stem and hard-faced material options for process corrosion resistance. Material options include Stainless, A20, Monel, Inconel, and various grades of carbon steel with alloy trim.

HILTON Gate Valve Advantages in Flare System Applications

- 1) Valve bore sizes to 120"
- 2) Carbon steel and exotic alloy options
- 3) ASME B16.5 flanges, or custom flange connections
- 4) ASME, API, MSS, AWWA face-to-face standards available or custom
- 5) ASME and MSS compliant designs, or application specific
- 6) Full bore / through conduit designs for hot tap applications
- 7) Piping reduction flange options
- 8) Manual or automated



54" Flare Line Isolation Valve for a Midwest refinery.



24" Full-Port Flare Line Hot Tap Valve for a West Coast refinery.

Hilton H-200B Bonneted Knife Gate & H-110-B Wedge Gate Valves

- 1) **Fabricated.** Custom fabrication ensures your valve is compliant with all installation and performance requirements.
- 2) **Multiple Body Styles.** Hilton Valves can be fabricated with lug, double flange, extended flange, butt weld or custom end connections.
- 3) **Full Port** for hot tap flare system tie-ins.
- 4) **ASME, API, MSS** compliant designs.
- 5) **Electric, Hydraulic or Manual Gear** actuators.
- 6) **Multiple Alloys.** DeZURIK/HILTON fabricates in various carbon alloys as well as more exotic alloys. Monel, Inconel, Hastelloy C are just a few of the alloys available.
- 7) **Fast Delivery.** As these valves are 100% domestically manufactured in our Redmond, WA facility, delivery time is commonly much shorter than competitors requiring foreign casting.
- 8) **Large Bore.** DeZURIK/HILTON can provide bore diameters to 120". In flare applications, weight of large bore cast valves can present piping support challenges. Fabricated valves provide an option for lighter weight / low pressure flare piping.

