

SALES BULLETIN

BIGGEST ATWOOD & MORRILL® Parallel Slide Valve EVER!

ATWOOD & MORRILL® Parallel Slide Valves are a proven solution for high temperature service. WVC Engineers designed a 36" ASME class SPL INT 705 valve relying on more than 30 years of experience with Parallel Slide Valves and modern techniques such as Finite Element Analysis. Special consideration was given to the high temperature and need for exceptional seat tightness. Production tests indicate that these valves have zero leakage. Four of these valves will be used to provide isolation for the Hot Reheat lines at Keyspan Energy's Ravenswood Power Plant on Long Island, New York. Design conditions are 725 psig at 1010°F.

Parallel Slide Gate Valves are the best solution for high temperature service. They are position seated and allow the discs to contact the valve seat without any wedging forces. The discs can move freely to accommodate the expansion and contraction of the valve body caused by temperature changes and pressure forces. The best designs like the ATWOOD & MORRILL® design allow the cool stem to freely expand when inserted into a hot valve body.

The A&M® Parallel Slide Gate Valve is position seated (not torque seated) with independent discs, features that eliminate the possibility of thermal binding. Thermal binding is a condition commonly associated with Wedge Gate Valves and occurs when the valve is closed when hot and subsequently cools and contracts, trapping the Wedge between the seats. Frequently, it is not possible to open a wedge valve without heating it with torches or dismantling it. Parallel Slide Gate Valves open easily under all conditions.

Parallel Slide Gate Valves are the best solution for high temperature service.



**36" Class 405 SPL INT
Parallel Slide Gate Valve
WT – 25,300 lbs.
15 ½ Ft. Tall**



Live Loaded Packing Prevents packing load loss due to:

- Thermal Expansion
- Packing Consolidation
- Bolt Creep