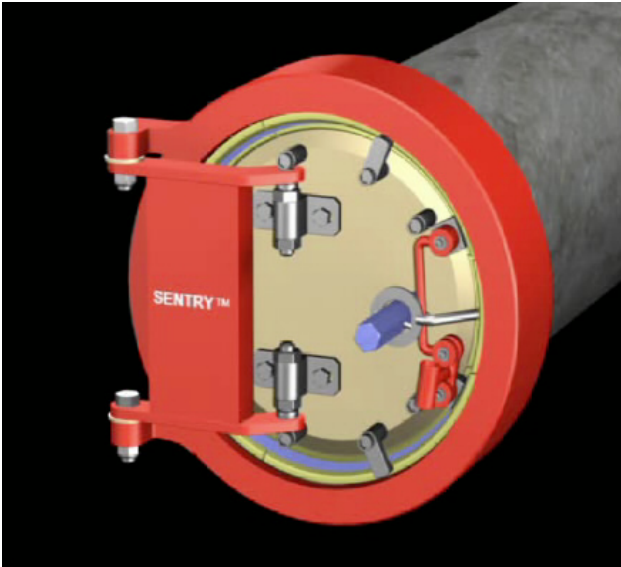


Sentry™ Quick Opening Closure Operating Procedure

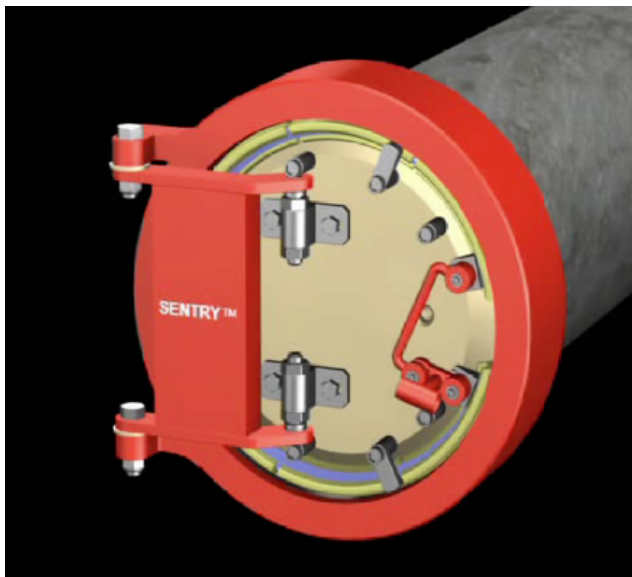
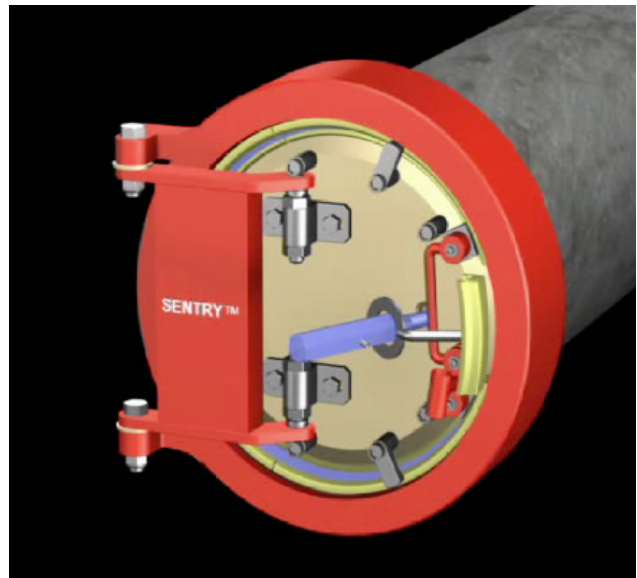


Step One

Sentry™ closure in secured closed position. Operator follows company guidelines to depressurize and fully drain vessel of handled product

Step Two

After the vessel is fully depressurized and drained, the operator loosens and removes the Pressure Alert Valve (PAV™) and Safety Segment from the Locking assembly.

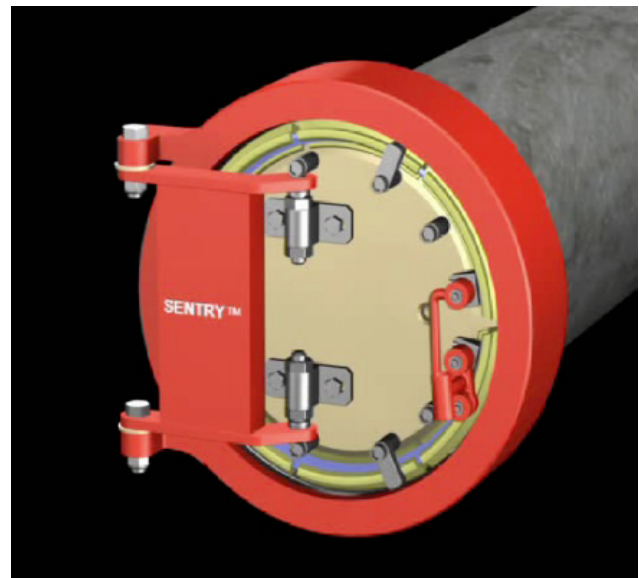


Step Three

With the PAV™ and Safety Segment assembly removed, the operator simply rotates the operating handle through 180 Degrees to open the closure. By virtue of design, it is impossible to contract Locking Segment assembly to the open position if any residual pressure exists within the vessel.

Step Four

During contraction to the open position the Locking Segment / Carrier Ring assembly contacts the fixed stops mounted around the periphery of the door insuring complete retraction from the Hub. The Actuator assembly operates on a simple 'over center' cam basis insuring the assembly becomes locked in the open position.



Step five

With the Locking Segment / Carrier Band assembly retracted to the full locked open position, the door can be simply pulled to the open position with minimal effort

Step six

Closing is the simple reversal of the opening sequence. Safety is insured as only when the Locking Segment / Carrier Band is expanded to the fully closed position can the PAV and Safety Segment assembly be re-installed. The Locking Segments are provided with a machined ledge that contacts the Hub surface providing visual verification that Locking Segments are in the full closed position.

