The Sup-R-Seal Model ES gate valve is entirely designed and manufactured here in the United States and offers improved durability and cost effectiveness.

The LVS Sup-R-Seal Model ES Gate Valves are through-conduit expanding gate style with a custom packing set design that will reduce long-term maintenance costs.

Applications for the Sup-R-Seal include:

- Liquid and Slurry Piping Systems
- Crude Oil
- Natural Gas Liquids Transport
- Refined Products
- Storage Tanks

The Sup-R-Seal Model ES valves are API 6D Certified No. 6D-1416 for application in pipeline systems of the petroleum and natural gas industries, and LVS maintains a Quality Program (API Q1).

**DESIGN ADVANTAGES**

**Block & Bleed Capability**

Reduces the number of potential leak paths within the double block and bleed section of the pipeline. Negligible pressure drop across the unit due to the full bore and uninterrupted flow orifice.

The OSHA Rules mention the double block and bleed technique as a valid method to isolate energy away from hot work. The LVS Sup-R-Seal meets these requirements.

**Protection of Seat Faces**

Seat faces are fully protected from contact with line flow by remaining in contact with the gate in both the open and closed positions. This allows for extended life of the seats.

When in the fully closed positions, it forms a tight seal on both seats. This allows for the body of the valve to be bled.
FEATURES

In-Line Repair
Due to its top entry design, the gate, seat and all other internal parts can be removed and replaced without having to remove the valve from line, allowing for shorter shutdown time.

Gate Centralizer
Valves 6 inches and larger contain a level lock arm which keeps the gate segment together when in neutral and position and while the gate assembly is traveling, all while allowing expansion at the moment of seating in the open and closed positions.

Through-Conduit Design
The full bore design makes it possible to run pigs and scrapers through without the danger of damaging the valve or its parts. The design minimizes turbulence and pressure drop, which allows the seat faces to be protected by keeping clear of the flow when in the open or closed position.

Customized Operating
Can be provided with manual operator (handwheel or gear); bare stem to have automated operator installed (electric, pneumatic or hydraulic). Extensions can be designed and installed per customer application requirements.

Internal Valve Trim
The gates of the LVS Sup-R-Seal are nickel plated. LVS Sup-R-Seal stems are 17-4 stainless steel. The seat assemblies are nickel plated with TFE inserts.

<table>
<thead>
<tr>
<th>Valve Type</th>
<th>Class 600</th>
<th>Class 900</th>
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<tbody>
<tr>
<td>3 &amp; 4 Inch</td>
<td>1480 PSI WP</td>
<td>2220 PSI WP</td>
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<td></td>
<td>2235 PSI TEST</td>
<td>3350 PSI TEST</td>
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<tr>
<td>6 - 12 Inch</td>
<td>1480 PSI WP</td>
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<td>2235 PSI TEST</td>
<td>3350 PSI TEST</td>
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<tr>
<td>16 - 20 Inch</td>
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Our Sup-R-Seal Gate Valve is originally designed and manufactured here in the U.S.A.
For more than 25 years, Louisiana Valve Source has repaired and remanufactured values of all types and we’ve learned what’s been done well and what can be done better. We started learning from problems we saw with how manufacturers design their packing and seats and used our experience of repairing and manufacturin...