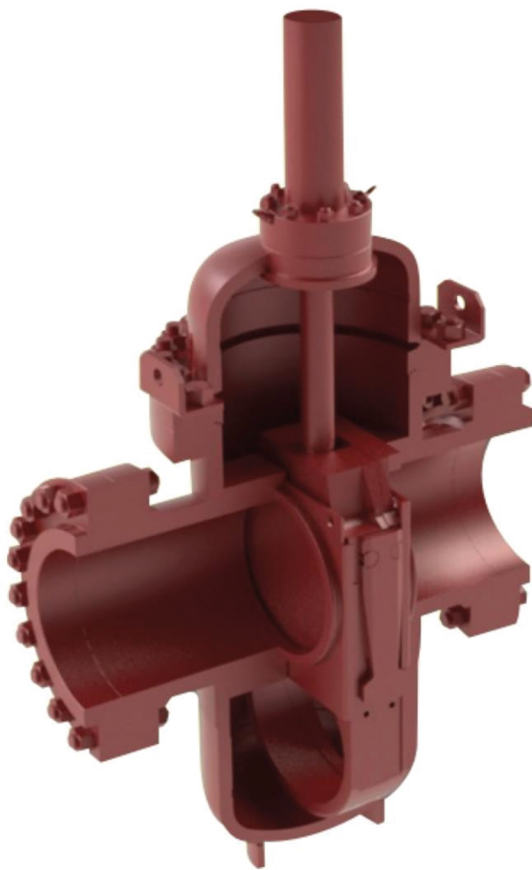




SUP-R-SEAL ES EXPANDING GATE VALVE

The Sup-R-Seal™ Model ES, Expanding Style, Gate Valve is a full-bore, piggable, through-conduit expanding gate valve designed to provide reliable double isolation for liquid and gas pipeline service. The expanding gate segments offer superior sealing while under pressure fluctuations, and combined with the custom-engineered packing system, users experience reduced maintenance requirements and lower long-term operating costs.

The Sup-R-Seal™ gate valve is purpose-built for critical isolation, delivering dependable sealing, unrestricted flow, and efficient pigging capability. API 6D Certified and manufactured under an API Q1-certified Quality Management System (by Valsource, 9509 New Century Dr. St 1, Pasadena Tx, 77507), the Sup-R-Seal™ gate valve provides the reliability and performance demanded by today's pipeline operators, at the lowest long term cost.

Applications:

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

Key Features:

- Expanding Gate Sealing Design
- In-line Repair
- Gate Centralizer
- Through-Conduit Design
- Customized Actuation

SPECIFICATIONS

DESIGN

● Double Block and Bleed

Minimizes potential leak paths in the double block and bleed section while providing negligible pressure drop through a full-bore, uninterrupted flow path.

● Differential Thermal Relief (DTR)

Automatically protects against cavity overpressure caused by thermal expansion.

● Protected Seat Faces

Seat faces remain in contact with the gate in both open and closed positions, protecting them from line-flow exposure and extending seat life.

STANDARD TEMPERATURE RATING

- -20°F to 250°F

AVAILABLE SIZES

- NPS 3” through 30”

BODY PRESSURE RATING

- Class 600 and 900 standard
● Other pressure classes available

PACKING

- Dual-stage, low-emission
● Certified to ISO 15848-1:2015
● Fire tested to API 6FA, 3rd edition
● True dual-stage design

First stage: Self-adjusting, spring-energized floating packing.

Second stage: FKM V-ring packing with injection ports for emergency shutoff.



Part Description	Material
Cast Body	A216 WCC
Bonnet	A516-70 A216 WCC*
Gate and Segment	A516-70, 2 mil ENP A216 WCC, 2 mil ENP**
Seat	A-36 with 2 MIL ENP, PTFE insert
Stem	17-4 PH HH1150
Stem Vee-Ring Packing	FKM
O-rings	VITON
Bolting	A193 B7
Fittings	Stainless Steel

* Only 30” 600 use A216 WCC Bonnet

** Only 30” 600 use A216 WCC Gate and Segment