

API GATE VALVES

EXPANDING GATE VALVE

The Great North Wellhead and Frac (GNWF) supplied gate valve uses a parallel split gate principle to produce a positive mechanical seal (both upstream and downstream) which isolates the pressure-containing and controlling components within the valve body from well bore fluids and sediments. The mechanical seating force is unaffected by vibration or line pressure fluctuations, under a wide range of pressure, temperature, and environmental conditions.

Every GNWF Gate Valve is hydrostatically tested to applicable API standards to ensure body, bonnet, and seat-seal integrity.

Features

- Available in flanged or threaded connections in sizes from 1 ¹³/₁₆" to 4 ¹/₁₆", rated up to 10000 PSI.
- The 7 ¹/₁₆" flanged connections are available in 2000 to 5000 PSI pressure rating.
- Standard temperature range is rated from -50° F to 250° F.
- Conforms to API 6A temperature, material and PSL specifications.
- Available in materials that conform to NACE MRO-01-75, water-flood, corrosion resistance, and high-temperature.
- Parallel expanding gate provides a positive seal across both seats.
- Easily serviced in the field.
- Seats are field replaceable.
- Opposing roller thrust bearings on the valve stem reduces torque required to operate under full-differential.
- Bonnet packing can be easily re-energised should a stem leak occur in the field.
- Full-bore conduit ensures smooth flow.

