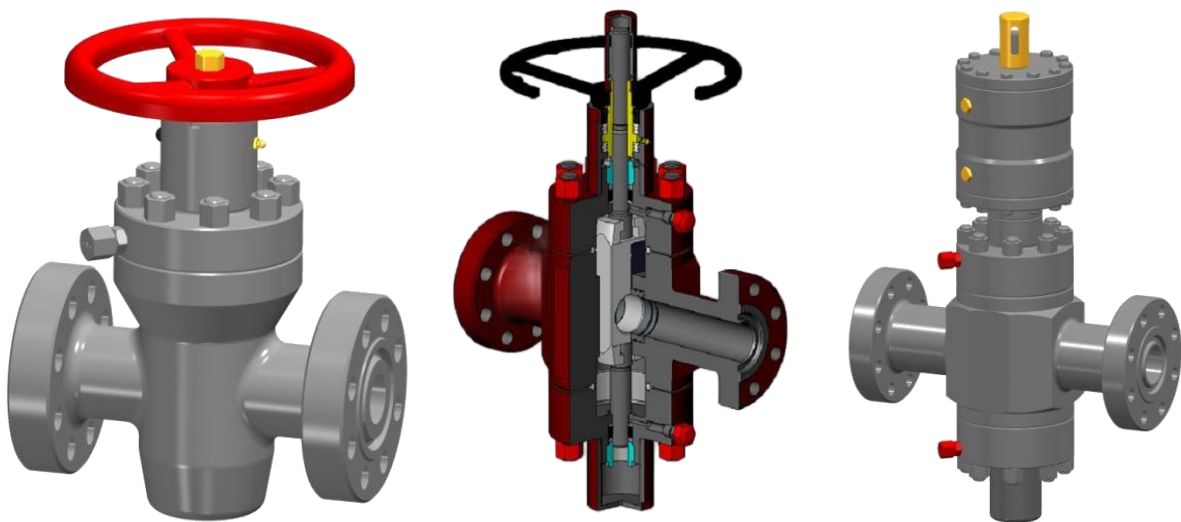


High-Pressure Slab Gate Valves



CDI full range API Spec 6A flat gate valves and surface safety valves are designed and manufactured in strict accordance with API Spec 6A wellhead equipment standards, covering four categories: manual flat gate valves, hydraulic flat gate valves, fracturing-specific flat gate valves and surface safety shutoff valves. The product line satisfies full working conditions including conventional oil & gas production, high-pressure fracturing and well control emergency shutoff. With complete coverage of working pressure, nominal size, material and temperature ratings, the valves are compatible with onshore and offshore wellheads, and support multiple actuation modes including manual, hydraulic and pneumatic.



Core Advantage

1. API Standard Compliance: The full product line complies with API Spec 6A international wellhead equipment specification, with certification available for all PSL1~4 product specification levels.
2. Wide Operating Envelope: Temperature rating K.X covers -60°C to 180°C for high & low temperature oil & gas media; material grades AA~HH are available to match sour, corrosive, crude oil and natural gas service.
3. Complete Performance Ratings: PR1 and PR2 product performance grades are optional to meet sealing requirements from regular to severe well control service.
4. Universal Flange Connection: Standard flange ends for seamless fitting with mainstream wellheads and Christmas trees.

Technical Specifications

Parameter Item	CDI-FGV-M Manual Flat Gate Valve	CDI-FGV-H Hydraulic Flat Gate Valve	CDI-SSV Surface Safety Valve	CDI-FGV-F Fracturing Flat Gate Valve
Working Pressure	2000~25000PSI (13.8~172.5MPa)			5000~25000PSI (34.5~172.5MPa)
Nominal Size	1-13/16"(46mm), 2-1/16"(52mm), 2-9/16"(65mm), 3-1/16"(78mm), 3-1/8"(80mm), 4-1/16"(103mm), 5-1/8"(80mm), 7-1/16"(180mm)			
Product Specification Level	PSL1~PSL4			
Material Class	AA~HH			
Product Performance Level	PR1 / PR2			
Temperature Class	K.X (-60°C ~ 180°C)			
Actuation Type	Handwheel Manual	Bidirectional Hydraulic	Hydraulic / Pneumatic	Manual / Hydraulic

Application

1. Conventional Onshore Oil & Gas Wells: CDI-FGV-M manual flat gate valves are mainly matched with Christmas trees for daily fluid switching.
2. Intelligent Automated Well Sites: CDI-FGV-H hydraulic flat gate valves integrated into well control hydraulic manifolds for centralized remote operation.
3. Wellhead Safety Protection System: CDI-SSV surface safety valve as standard safety equipment to automatically shut in wells under overpressure or pressure loss, preventing blowout risks.
4. Shale Oil & Tight Gas Fracturing Operations: CDI-FGV-F high-pressure fracturing flat gate valves resist erosion from high-pressure sand-laden fluid for large-scale reservoir stimulation.
5. Offshore Platform Wellheads: Full series supports marine anti-corrosion coating for offshore Christmas tree and manifold assembly.
6. Sour & Corrosive Oil & Gas Wells: HH-grade corrosion-resistant material configuration is available for formations containing H_2S and CO_2 corrosive media.

Product show

