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Gate Valves

Leading the Way in Gate Valve Technology

Worldwide Expertise

Quality Systems

OUR CROWN GATE VALVE products feature a full bore/thru-conduit design, in-line repairability and protected long-life seats. They are designed for all types of applications including wellhead, christmas tree, emergency shut-down systems, and choke and kill manifold systems. Our models can be equipped with single or double-acting hydraulic or pneumatic actuators with manual override and fail-safe closed or open systems.

OUR R&D GROUP continuously develops new designs for efficient products. We are equipped with environmental and hyperbaric chambers for testing to ensure quality performance in the field.

PROPRIETARY CRA Our castable corrosion-resistant alloy SCR 6191 can be substituted for solid Inconel™ type material and/or alloy-type clad valves for extremely severe and corrosive environments.


ESD Gate Valve


Wellhead Gate Valve


HE Gate Valve


SCR 6191 Gate Valve


SAGD Gate Valve

BASIC SPECS

Gate Designs:
- solid slab
- parallel expanding
- split

Body Designs:
- cast
- forged
- composite
- recessed

Bore Sizes:
- $1^{13}/_{16}$″ to 11″

Pressure Ratings:
- 2000 to 15,000 psi

End Connections:
- API flanged
- threaded
- clamp-hub
- union

Temperature Range:
- -75°F to +650°F (-59°C to +343°C)

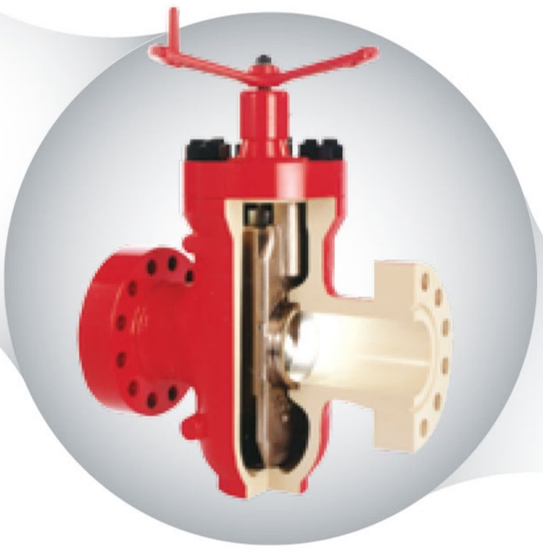
Global Strength

Gate Designs

PARALLEL EXPANDING This unidirectional expanding gate gives an extraordinarily high mechanical seating seal force which acts simultaneously against both seats. The seating force is not affected by line pressure fluctuations or vibrations.

SOLID SLAB This design is made for demanding applications such as high pressure critical service choke and kill manifolds, and as a safety shut-off valve operated by a hydraulic or pneumatic actuator. Its bidirectional design with a floating gate moves parallel to the seats and effects a tight seal under differential line pressure. The nonrising stem has a backseating feature which allows the stem bearings or packing to be replaced under pressure.

SPLIT This bidirectional valve features a metal-to-metal seal between gates and seats, and seats to body. Sealing is enhanced by an auto-seal system whereby internal body pressure transmits sealing compound from reservoirs in the seats to grooves around the seat bore, thus preventing leaks. The parallel nonwedging gates allow the stem to be left unstressed in either the open or closed position. The fully-skirted seats provide continuous protection of gate-sealing surfaces. A backseating feature allows replacement of stem bearings or packing under pressure.



Reliability Worldwide

SINCE Stream-Flo's inception in 1962, it has been a leader and innovator in the oilfield sector. Stream-Flo's first oilfield products were perfected and marketed in response to a need for high quality products made to perform and endure in the western Canadian environment.

Stream-Flo continues to be a world industry leader through continuous product development, backed by professional engineers, designers and technicians. Together, they develop, design and produce leading-edge solutions and quality products to make Stream-Flo an internationally recognized leader in the industry.

Trims:

- sweet/general service
- sour/NACE service
- steam service/ high temp
- CO_2
- water flood
- corrosion resistant alloys

Specification Compliances:

- ISO 9001
- API 6A / ISO 10423 & Q1
- NACE MR-01-75
- GOST & Gostgortechnadzor

Applications:

- sweet/sour oil and gas
- artificial lift wellhead systems
- injection
- SAGD
- electrical submersible pumps
- high temperatures
- custom designs
- surface safety valves
- firesafe designs available
- wireline cutting available

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Stream-Flo Group of Companies

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CANADIAN
WELLHEAD ISOLATION
A Division of Stream-Flo Industries Ltd.

ERC
INDUSTRIES
A Division of Stream-Flo Industries Ltd.

MASTER FLO
The leader in choke technology