

M-Type Gate Valves

SWECO's M gate valves feature a non-rising stem with an expanding gate design for safe and dependable service in any environment. They are available in flanged or threaded ends in standard bore sizes.

Features

Full-Bore Thru-Conduit Design

- Maximizes valve service life
- Eliminates the collection of destructive particles

Expanding Gate

- Produces a positive mechanical seal across the seats
- Isolates the body cavity from bore pressure in both the open and closed position

Press Fit Seats

- Press fit seats allow the seats to be wedged into the seat pockets in the open or closed position

Metal to Metal Seals

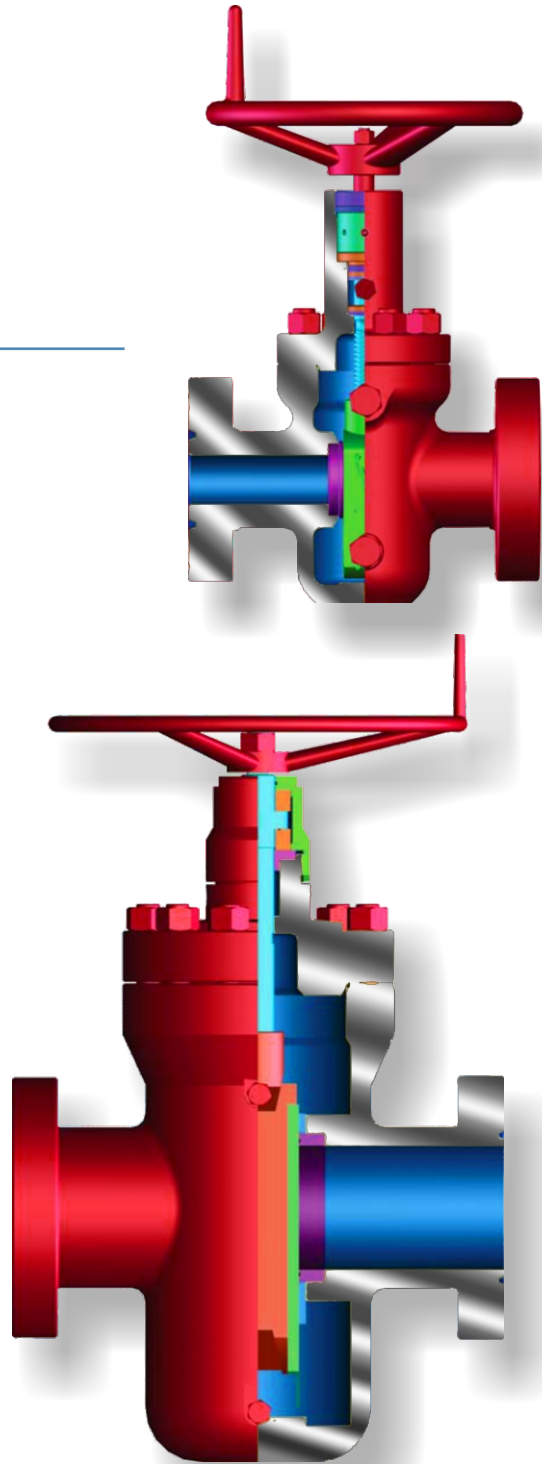
- Body/bonnet interface, and gate/seat interface

In-line Repairability

- Stem packing is re-energized while the valve is under pressure

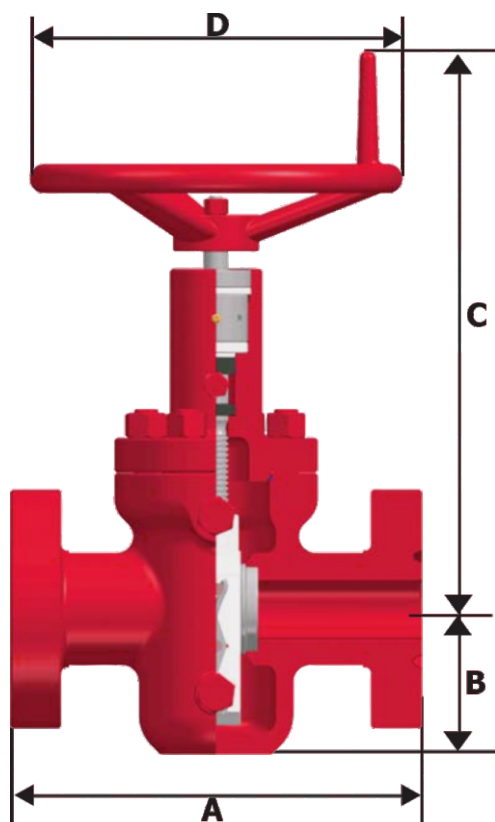
Long Life, Low Maintenance

- Simple routine maintenance program limits repairs, eases operation, protects against corrosion, and extends service life



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Specifications



5,000 psi

Flange Size	A	B	C	D
2-1/16"	14.62"	5.25"	19.62"	13"
2-9/16"	16.62"	6.12"	20.62"	13"
3-1/8"	18.62"	7.62"	22.75"	16"
4-1/16"	21.62"	9.44"	25.88"	16"

Trim Chart

Service Condition	Trim	Body	Bonnet	Gate	Seat	Stem
General, Non-Corrosive	AA	Alloy	Alloy	Alloy	Alloy	Alloy
General, Slightly Corrosive	BB	Alloy	Alloy	410 SS Hardface	410 SS Hardface	17-4 PH
General, Moderately Corrosive	CC	410 SS	410 SS	410 SS Hardface	410 SS Hardface	17-4 PH
Sour, Non-Corrosive	DD	Alloy	Alloy	Alloy	Alloy	17-4 PH
Sour, Slightly Corrosive	EE	Alloy	Alloy	410 SS Hardface	410 SS Hardface	17-4 PH
Sour, Moderately Corrosive	FF	410 SS	410 SS	410 SS Hardface	410 SS Hardface	17-4 PH