



### Design Features and Benefits

- WCS-10 API valves offers a full range of valves for drilling and production operations
- Gate valves are designed and manufactured in accordance with API 6A latest edition PSL 1-4
- Robust, simple and reliable gate and seat design promotes ease of service with in-line maintenance
- Positive metal-to-metal sealing (gate-to-seat and seat-to-body)
- Stem packing is chemically inert, using spring energizing rings which require no adjustment or plastic injection
- Stem packing can be replaced whilst the valve is under pressure
- Available in API Material Classes AA through HH
- Material for H<sub>2</sub>S and CO<sub>2</sub> service is in accordance with NACE MR-01-175 latest edition
- Performance tested to PR2, temperature ratings K through X up to 350°F (177°C)

### Advantages

- Bi-directional slab gate, metal-to-metal sealing technology and stem backseating capability
- Ideally suited for drilling manifolds, christmas trees and severe service
- Simple in-line field replacement of internal components

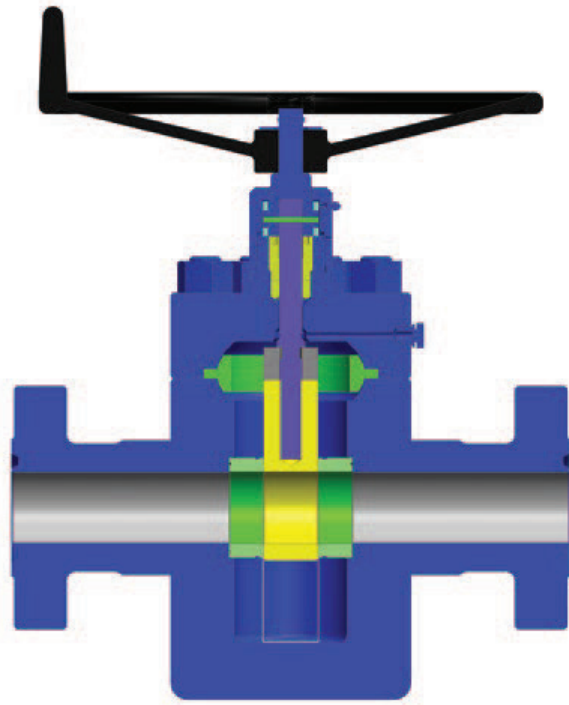
### Trim

Service conditions	Trim	Body	Bonnet	Gate	Seat	Stem
General/non-corrosive	AA	4130	4130	4130	4130	4140
General/slightly corrosive	BB	4130	4130	410SS	410SS	410SS
General, moderately corrosive	CC	410SS	410SS	410SS	410SS	410SS
Sour, non-corrosive	DD-NL	4130	4130	4130QPO	4130QPO	4130QPO
Sour, highly corrosive, CO <sub>2</sub> and high abrasive	EE-NL	4130	4130	410SS	410SS	INCONEL 718
Sour, highly corrosive, CO <sub>2</sub> and H <sub>2</sub> S	FF-NL	410SS	410SS	410SS	410SS	INCONEL 718
High corrosion extreme service	HH-NL	4130 w/625 Inlay	4130 w/625 Inlay	INCONEL 718	INCONEL 718	INCONEL 718



### Design Parts

1. Hand wheel
2. Bearing assembly
3. Bonnet
4. Stem
5. Gate
6. Seat
7. Body



WCS-10 API valve cut away

### Weir Oil & Gas Services Middle East

PO Box 11419 Jebel Ali Free Zone  
Dubai  
United Arab Emirates

T +9 714 808 0000  
F +9 714 883 8595

[services@weiroilandgas.com](mailto:services@weiroilandgas.com)

[www.global.weir](http://www.global.weir)