200 Series choke valves

Choke valves that succeed for every need
Choke 200 Series

TechnipFMC’s 200 Series Choke Valves are a high-performance family of choke valves expertly designed for a broad range of applications, including production, injection and manifolds.

The 200 Series choke valves are the result of our continued commitment to product research and development in the oil and gas industry. We have a proven track record of delivering technical solutions for our customer base stretching back decades. The 200 Series has evolved from years of product experience and incorporates the latest in material and manufacturing techniques. Each choke valve is designed, manufactured and tested in accordance with API 6A and can be fabricated to various material classes and product specification level.

We support our customers with dedicated choke valve services to maximize assets and cover any performance or operational need. From pre-sales technical support to preventative and corrective maintenance, we are with you every step of the way.

A wide variety of product configurations are available to meet your needs:

Applications
- Production
- Injection (water/gas)
- Line heaters and separators
- Drilling Manifolds
- Well testing and clean-up
- Gas lift
- Pumps recirculation loop

Technology and benefits
- Patented non-elastomeric UV stem packing
- Qualified to API 6A Appendix F PR2
- Robust field proven technology
- Choke sizing tool for optimal configuration selection
- Extensive testing program including erosion, sand slurry and Cv testing
- Metal-to-metal seal technology
- Global service infrastructure
- Optimised supply chain and manufacturing
- Asset integrity management

The 200 Series Choke Valves
- 200P positive choke
- 200N needle and seat choke
- 200C cage choke

Other choke products
- Actuated chokes
- Actuated with control systems
- Choke manifolds
- Weco® 1502 choke
Choke products

200C cage choke valve
The 200C cage choke valve shares trim design with its subsea counterpart while being adapted to surface business needs. This robust design offers superior flow management with its equal percentage flow characteristic trim. The cage and plug design uses solid tungsten carbide inserts which makes it capable of meeting the most demanding applications. The 200C choke valve body flow gallery and trim has been optimised through extensive engineering and testing to maximise choke valve flow capacity. Choke valve cage or body end connection can be tailored to specific application needs. A wide range of actuation options are available.

Benefits
- Metal-to-metal sealing technology
- Superior erosion resistance and controllability
- Exceptional service life and operating reliability
- Suitable for actuation and remote control
- Patented UV stem seal packing
- Maximized flow capacity

200P positive choke valve
The simple design uses an angle body outfitted with a threaded replaceable bean with an orifice and capped by a blanking bonnet. The 200P positive choke valve is available in all standard sizes. It features an integral body, interchangeable beans and optional bonnet removal safety bracket.

Benefits
- Cost effective
- Minimal field maintenance
- Easy bean replacement and field repair
- Easy conversion to adjustable configuration

200N needle and seat choke valve
The 200N needle and seat choke valve is the adjustable version of the 200P positive choke valve. A rising and rotating stem operated through an handwheel will allow user to easily adjust the choke to the required setting. The 200N choke valve is available in all standard sizes and with various trims. Reduced operating torque and interchangeable seats are standard. The 200N features an integral body bleeder valve.

Benefits
- Cost effective
- Easy field repair
- Low-torque design
- Easy conversion from adjustable to positive configuration

200C specifications
- Maximum Cv from 18 to 256
- Pressure rating: Up to 10,000 PSI
- Temperature: -50°F to 350°F / -46°C to 177°C
- PSL: PSL-2/PSL-3/PSL-3G
- Material class: BB to HH

200P specifications
- Nominal size: 2” to 4”
- Working pressure: Up to 10,000 PSI
- Temperature: 0°F to 250°F / -18°C to 121°C
- PSL: PSL1 to PSL3
- Material class: BB to EE

200N specifications
- Nominal size: 2” to 4”
- Working pressure: Up to 10,000 PSI
- Temperature: 0°F to 250°F / -18°C to 121°C
- PSL: PSL1 to PSL3
- Material class: AA/BB/EE

200 Series choke valves
Other choke products

- Actuated choke valves with control system
- Choke manifolds
- Weco® 1502 choke

Actuated chokes can also be supplied with associated control panels to allow either basic or sophisticated control schemes to be employed.
Panels can be configured to control single or multiple chokes, supplied with HMI functionality and also provide the capability to provide smart metering, smart control and further advanced software features to enhance performance.
TechnipFMC’s choke solutions range from individual chokes to integrated systems incorporating choke valves with our digital and automation control technologies.
Contact a TechnipFMC representative for product configurations not listed here.

Asset management and operational support

Our global service footprint means we are where you need us, when you need us. We support our customers with a range of services dedicated to maximizing the performance and operations of your choke valves.

Service Overview
Onsite services
- Installation
- Preventative maintenance
- Corrective maintenance
- Performance enhancement solutions

Offsite services
- Pre-sales technical support
- In-shop valve refurbishment
- Customer property management

Training and education
Service has long been a key differentiator for TechnipFMC, supporting our clients around the world with a full range of services on a 24/7 basis. We support your operations from our strategically located field bases by providing responsive service, quality equipment and local expertise. Our commitment to HSE, quality and service excellence ensures our clients’ success with no surprises.