

Production and Midstream

Local Innovation. Global Impact.





Designed to perform in the extreme temperatures, high pressures, and sour service conditions common across the Middle East, our chokes deliver dependable flow and pressure control for oil and gas production. Built with proven materials and engineered for durability, they provide long service life with minimal maintenance.

Dammam Plant Capabilities

Backed by a fully vertically integrated plant operating since 2018, we bring raw materials to finished products under one roof, ensuring complete quality control at every stage. Our in-house robotic and semi-robotic clad stations deliver advanced weld fabrication and cladding services, meeting NOV's global quality standards.

We offer both manual and actuated chokes with multiple trim options, engineered to perform in the most challenging applications. Major offshore and onshore operators, including Eni, trust our chokes and closures for reliable performance in critical environments. We work alongside you to ensure every choke is optimized for your application, maximizing uptime and efficiency. From installation to ongoing support, we're your trusted partner throughout the full lifecycle of your choke.

- Trim sizes from 0.5 in. to 11.5 in. available. Pressure ratings up to API 20k.
- Experience with cladding and exotic metallurgy bodies in Inc 625/825, super duplex and hastelloy grades. Patented specialty choke trim designs available.

Our products are engineered and manufactured in compliance with the following industry standards:

- API 6A / ISO 10423
- PR1 and PR2
- ANSI B16.5
- NACE MR 0175
- ISO 9001/2008
- EN 10204
- Independent design certifications available upon request (DNV, ABS, Lloyd's, BV)
- CE marking available upon request

Extensive choke supply experience for:

- FPSO and offshore wellhead platforms
- Sandy high pressure drop production wells
- Water/Gas Injection wells
- High H2S wells
- Net zero design

Facility Capabilities

- Nondestructive testing
- CNC Machining
- Assembly and testing
- Blasting and painting
- Marking and stenciling
- Robotic welding
- Overlay cladding
- Quality control



Visit to learn more about our Damman facility capabilities.



We've expanded manufacturing of Sentry Quick Opening Closures to Dammam, Saudi Arabia, giving Eastern Hemisphere projects direct access to NOV engineering, fabrication, and final assembly capabilities in the region. With local production, dedicated regional support, and our global supply chain, we respond faster to keep your operations running.

Sentry & Sentry II Quick Opening Closures

- Available from 6 in. to 74 in.
- Satisfies design requirements in ASME Section VIII Division 1 & 2, ASME B31.3, ASME B31.4, ASME B31.8, NACE MR0175
- Designs offered in horizontal and vertical orientations.

Sentry

- Pressure-energized lip seal with a molded backup spring
- Designed for quick and easy installation
- Rated for up to 5,000 psi
- Available in ANSI/ASME Pressure Series 150 through 1500 Class

Sentry II

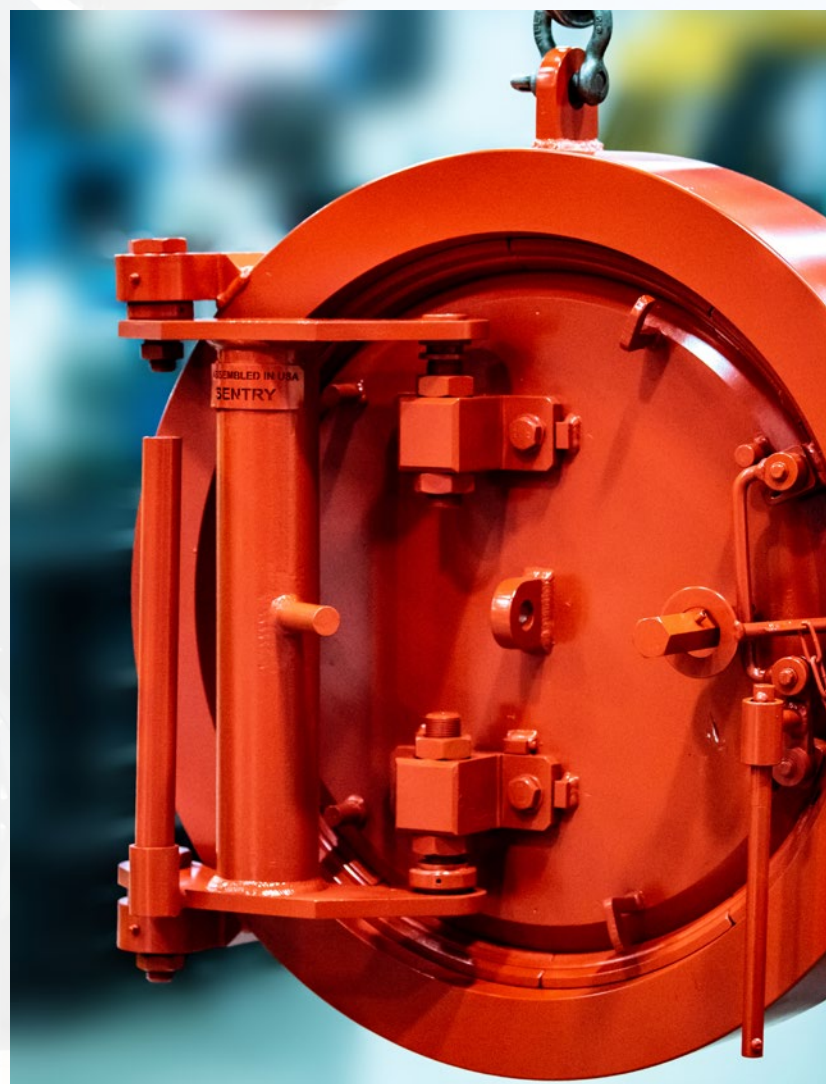
- O-ring seal design for low-pressure and vacuum service
- Patented Cam Assist technology simplifies operation
- Available in ANSI/ASME Pressure Series 150 through 600 Class

Manufacturing Capabilities

- Fully machined in-house up to 48 in.
- Sizes above 48 in. supported by qualified regional third-party machining, with final fabrication and assembly in our Dammam facility
- In-house weld overlay capability from 6 in. to 74 in.
- Assembly, testing, and quality control performed in house according to client and project specifications as required

Design Advantages

- Quick opening. One person can operate it in under 90 seconds
- Robust design with a 25-year track record of safe operation
- Interlock door retention system
- Integral pressure warning device with external lock verification
- Operating temperatures range from -50°F to 550°F (10°C to 288°C)
- Various elastomer compounds available for the Sentry molded seal and Sentry II O-ring
- Flanged connections available
- Available in various carbon steel and stainless steel grades



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