Power Chokes

SCL Choke

Power Chokes has designed and manufactured pressure and flow control equipment since 1988. Our line of chokes has a reputation synonymous with reliability, quality, and performance. After years of continuous improvement, Power Chokes has taken its core field-proven design and developed a new generation of chokes to meet the challenges of today's market.

Applications

- **Pressure & Flow Control**
- **Sand Dumping**
- **H2s, Corrosive and erosive options**
- **Remote (cloud) monitoring and control**
- **Hazardous Areas**
- **Sealing application**
- **Standpipe Bleed Off**

Features and Benefits

- Intelligent Design for consumables and spares
    - The new design of replaceable wear components reduces OPEX costs significantly.
    - Designed for quick and simple trim change out by a single person.
    - Reversible seat doubles lifetime.
    - Design optimized and backed by 30 years of Power Chokes Engineering Solutions.
- Reduced NPT
    - Full bore clearance prevents choke from plugging off.
    - Reliability, serviceability, and erosive resistant properties reduce maintenance and service time.
    - Power Chokes patented Choke design has 30 years of extensive field use, internationally in some of the most challenging environments and is known as the most reliable on the market today.
- Design
    - Providing a full gas-tight seal removing the need for additional valves.
    - The extended stroke provides additional flow capacity causing its overall flow capacity to perform similarly to that of 3" chokes on the market today.
    - Increased pressure control capability reduces operator errors and increases operational performance.
    - A large body cavity reduces velocity decreasing wear downstream.
    - The pressure port inside of the valve removes the need for upstream pressure connections.
    - Electric choke can be powered by solar panels and requires no maintenance of electric controls and motor.
- Maintenance
    - Threaded actuator decreases actuator change out time in comparison to bolted designs.
    - Wear components reduce maintenance requirements and major component replacement or rework
    - International repair facilities, field COC's and maintenance technicians allow us to support all customer's needs. (5 years in operation has 90% pass rate in current choke designs)

For further questions or quotations, requests contact PowerChokes-Sales@adsmpd.com or visit www.powerchokes.co to see further chokes, controls, and PRV solutions. Also, consider visiting adsmpd.com for RCD's and MPD solutions

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Power Chokes develop the next generation of chokes designed for automation and longevity allowing for minimal human intervention.

Power Chokes packages Chokes and control systems for applications across the oil and gas industry. Our Packages are specialized for remote locations where automation, control from the office, and power are critical. Designing chokes with minimal maintenance and excellent reliability and the ability to seal allows these to run for extended periods requiring minimal maintenance.

These chokes can be changed between multiple actuation powering options, trim sizes, styles of actuators and actuator types allow a lot of flexibility in your fleet to use the same choke across multiple applications.

TECHNICAL SPECIFICATIONS

API Pressure Rating (PSI)	2,000, 3,000, 5,000, 10,000 & 15,000
Inlet / Outlet Connections	API Flanged, ANSI, 1502 in 1", 2"
Trim Sizes	1". 1.5" & 2" or 4/64th to 128/64th beans
Designed to	API 6A & API 16C all NACE MR-0175
PSL	1 standard up to 3 or 3G
Temperature Range	PX (-20°F to 350°F)
Material Class	DD up to EE-NL
Trim options	Gate & Seat (cage and sleeve etc. available)
Actuator Options	Manual Hydraulic Worm Gear (1,500PSI) with Manual override Hydraulic Piston Electric 220VAC single phase Electric 24VDC Electric 230VAC 3 Phase Electric 460VAC 3 Phase Positive
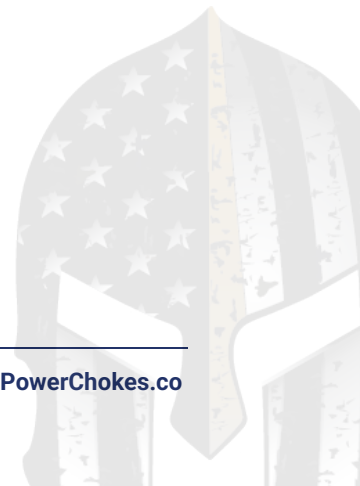
Position Indicator	Visual, Digital, 4-20mA, Hart others on request
Sealing	Gas Tight
Hazardous area rating	IECEx, ATEx zone 1 and/or US/Canada Class 1 Division 1
Standard X & Y	9" x 9" custom available