ServoChoke® ELECTRIC CHOKE VALVE ACTUATOR

Tolomatic™ EXCELLENCE IN MOTION ...MAXIMUM DURABILITY

ENDURANCE TECHNOLOGY℠
A Tolomatic Design Principle

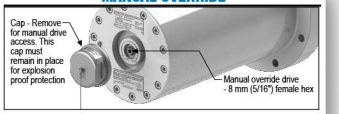
Endurance Technology features are designed for maximum durability to provide extended service life.

ServoChoke is a high performance linear integrated actuator designed to meet the rigorous needs of the oil and gas industry. With global certifications, an all steel NACE MR0175 compliant body and a temperature range of -40°C to +60°C, ServoChoke is capable of providing reliable, fast, and precise positioning. The brushless servo motor, absolute encoder, and roller screw drivetrain ensure the availability and reliability needed. Below are some of the unique design aspects of the SVC that make it the ideal solution for every choke valve application.

HIGH POSITIONAL REPEATABILITY
± 0.00075"; ±0.0191 mm

GROUNDING LUG
Conveniently located, stainless steel for corrosion resistance

SIMPLE TO CONNECT
MOTOR & FEEDBACK
- 1.2m (48") Flying leads with 3/4 NPT threads for conduit connections

MANUAL OVERRIDE


Provides mechanical method to extend and retract the thrust rod in power off situations

LIFTING RING
Conveniently located for use with lift equipment

ALL STEEL BODY DESIGN
- Conforms to NACE MR0175
- Zinc plated or painted

HIGH RESOLUTION FEEDBACK
- Multi-turn absolute encoder
- Hiperface & SSI Sin/Cos protocols available

INTEGRAL MOUNTING
- Provides ease of integration with the valve
- ISO F16 and ISO F25 mounts for added flexibility
- Through holes for face mounting options

ROLLER SCREW TECHNOLOGY
- Long life
- High repeatability
- Compact design

REPLACEABLE WIPER/ SCRAPER
Prevents contaminants from entering the housing for extended life of the actuator

SMOOTH BODY DESIGN
Eliminates potential contaminant collection points

THRUST TUBE
- High strength stainless steel thrust tube supports extremely high force capabilities
- Excellent corrosion resistance and surface hardness

HAZARDOUS LOCATION RATED
CE Ⓔx II 2 G Ex db IIB T4 Gb
Ex db IIB T4 Gb
Class I, Division 1, Groups C and D, T4
Class I, Zone 1, AEx db IIB T4 Gb
Class I, Zone 1, Ex db IIB T4 Gb
-40°C≤T_{AMB}≤+60°C, IP6X TYPE 3R

OPTIONAL JUNCTION BOX
Additional wiring option if needed

THREADED ROD END
Allows for custom rod connections for the valve stem