



REMOTE **VALVE CONTROL** SYSTEMS

Our flexible shaft systems are the most versatile, reliable and proven approach to remote mechanical valve actuation available today.



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SafeOperator™ Remote Valve Control Systems

Elliott Manufacturing's SafeOperator Remote Valve Control Systems provide a safe, reliable and cost-effective method of valve actuation. Primarily an alternative to rigid-shaft and powered solutions, the proven SafeOperator Remote Valve Control System transmits torque and offers a unique solution to operating valves located in hazardous or hard-to-reach locations. The SafeOperator system allows you to route around obstructions and place your operator in a safe and convenient position. Ideal for operating valves in confined spaces, vaults, or anywhere that valve actuation poses a serious risk of injury, every SafeOperator product is custom matched to your valve and environment, assuring you safe and reliable valve operation for years to come.

*Water & Waste | Marine | Chemical Processing | Pulp & Paper |
Petroleum Refining | Power Generation*



Uniflex-Stow™ Remote Valve Control Systems

Built to support the most critical applications, Elliott's Uniflex-Stow system is the most versatile, reliable and proven approach to remote mechanical valve actuation available today. For Naval and Nuclear customers, the Uniflex-Stow system is a unique answer to hard-to-reach valves located in hazardous settings that must be actuated.

Uniflex-Stow remote valve actuation systems can replace chains, dual cable or other makeshift options with a proven solution that is low-maintenance and easy to specify and install.

Naval | Nuclear



Elliott Manufacturing's SafeOperator remote valve control systems are available in two configurations to meet your application needs: **Standard Flexible Shaft (non-g geared)** and **Flexible Shaft with Integrated Gearing**.



Standard Flexible Shaft Systems (FS)

FS remote valve operating systems can be configured in multiple ways from a simple panel mount hand wheel with no valve position indicator and a valve connection via a handwheel coupling or direct to the valve stem, or with a valve position indicator and connection to the stem of a gear box. FS systems can be connected to third party gear boxes to provide a low cost solution for larger torque valves.

The FS system provides versatile installation options including operators, remote operating stations, valve connection options, and other accessories. Elliott Manufacturing has a wide array of modular components to build your remote valve operation system to meet your specifications. Our Standard Flexible Shaft System is available in both smaller (FS1) and a larger diameter shaft (FS2) options.

- Maximum input torque ranges from 30-80 foot-lbs. (40.7 Nm to 108.5 Nm)
- System length is a minimum of 3 feet (0.9 m) and up to 80 feet (24.4 m)
- Maximum degrees of bend is 720°
- Operating environments can range from -30°F to 350°F (-35°C to 177°C)



Integrated Gearing Flexible Shaft Systems (IG)

The IG system is available with either our small diameter flexible shaft (IG1) or with a larger diameter flexible shaft (IG2). Both include a compact gearbox sized to meet system torque needs. The efficient cycloidal gearbox design can withstand shock loads of up to 500% of their rating and will provide the performance and reliability needed in the most severe environments.

Configuration options for the geared system include a remote operator with valve position indicator and a gearbox rigid mounted either on a separate structure, or directly to the valve. A valve handwheel or double universal joint can be connected to the valve. There are multiple options for configuring a unique system. Installation options include remote operators with valve position indicators, handwheels, floor stands, and valve couplings.

- Maximum valve torque from 53 to 250 foot-lbs. (71.9 Nm to 339.0 Nm)
- System length is a minimum of 5 feet (1.5 m) and a maximum of 125 feet (38.1 m)
- Maximum degrees of bend is 720°
- Operating environment can range from -30°F to 350°F (-35°C to 177°C)



Elliott Manufacturing Co. has been manufacturing flexible shaft power transmission products since 1932. Our flexible shaft systems transfer rotational power in the most challenging and rugged locations. Elliott flexible shaft products can be found in many markets, including the agriculture, aerospace, lawn & garden, industrial, medical, construction, and military markets.



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