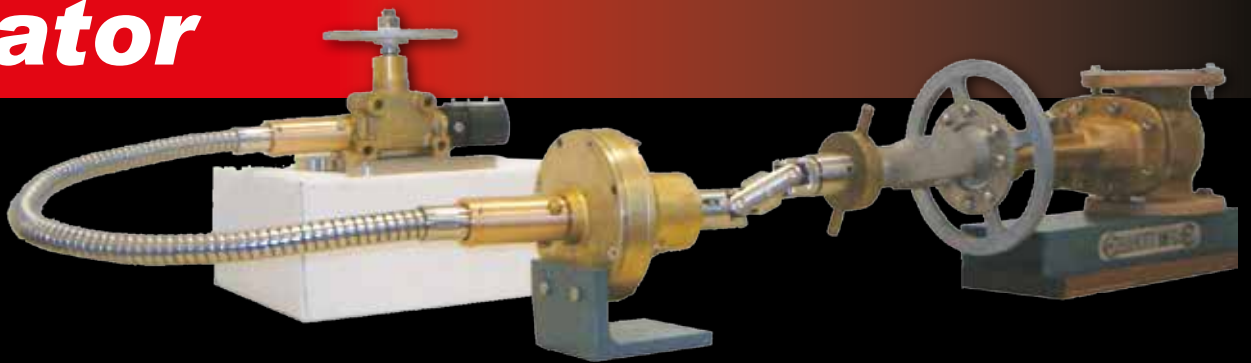


copamateTM
products

***Remote Mechanical Valve
Actuator***



The Solution in Remote Mechanical Valve Actuation

Elliots Uniflex system is the most versatile, reliable and proven approach to remote mechanical valve actuation available today. When a valve is in a hazardous or hard to reach position, and must be actuated, Uniflex solves the problem. It is a safe and reliable way to actuate almost any valve.

Flexible shaft systems are used when there are a large number of obstacles between the operating position and the valve to be operated. They can easily be routed around these obstacles making installation clean, efficient and simple.

No maintenance costs, the ability to operate in the most severe operating environments, cost effective initial installation procedures and outlay prove time and again the benefits of Uniflex remote mechanical valve actuation.

Applications

- Hard to reach
- Hazardous
- Extreme Temperatures
- Submerged in water
- Steam

Markets

- Mining
- Oil & Gas
- Water & Sewage
- Petrol/Chemical
- Marine
- Nuclear

Existing Methods

- Chains
- Dual cable systems
- Linear Systems
- Make-shift rod
- UJ systems

Features and Benefits

- No preventative maintenance cost
- Safe point of operation – no exposed moving parts
- Simple installation process
- Standard tools for install
- Designed for rotary power transmission
- Effective over short and long lengths
- Made with high quality non corrosive materials
- Lighter than traditional systems



Project Installations

- The Royal Australian Navy
 - Adelaide Class FFG Guided Missile Ships
 - ANZAC Frigates
- Eastern Treatment Plant - Bangholme Melbourne
- Lucas Heights Nuclear Reactor - NSW
- US Nuclear
- Fossil Fuelled Plants
- US Energy & Oil Companies



Technical Information

Specifications

Materials	Stainless Steel, Bronze
System Length	<i>Minimum: 1m Maximum: 46m</i>
System Output	<i>Minimum: 15:1 ratio: 450Nm Maximum output 1:1 ratio: 225Nm</i>
Maximum Number of Bends	540°
Minimum Bend Radius	12" (300mm)
Weight	30% < Dual linear cable systems 50% < Rigid rods

Tests Undertaken

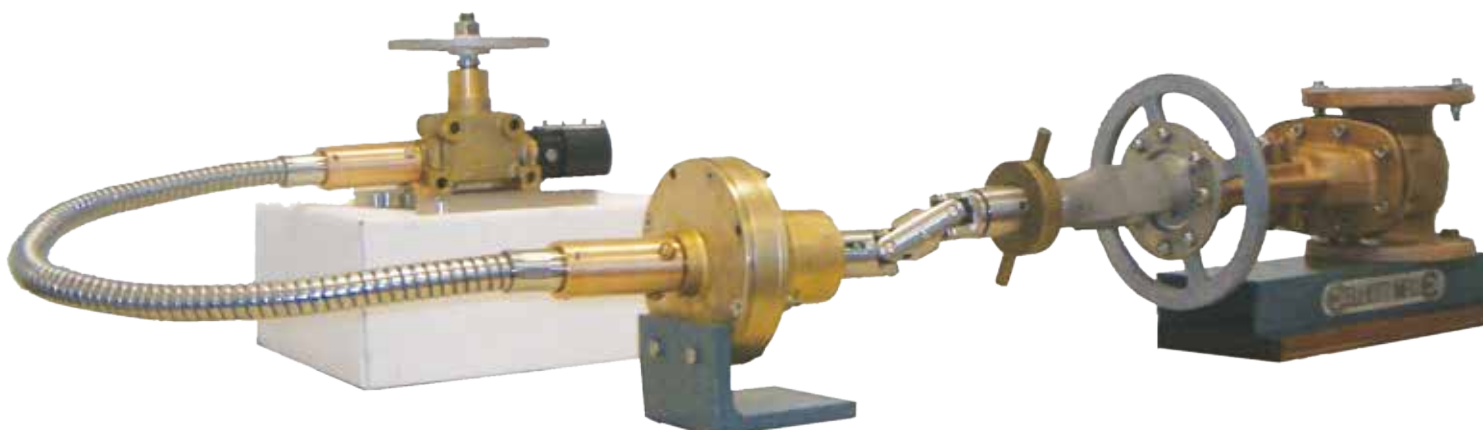
- Fire
- Immersion
- Pressure & salt fog
- Shock
- Vibration



Typical installation –
Hazardous or hard to reach areas

Flexible Shaft

Featuring a 16mm diameter, high tensile, S/S flexible shaft which is standard in the geared system. The flexible shaft is driven by a geared operator which transmits power to a reduction gear box at the valve. The system can be configured using a range of gear ratios allowing smooth operation in even the longest and most complex installations. A flexible shaft is designed for rotary power transmissions and ideally suited to remote and shaft actuation valves.



Remote Mechanical Valve Actuation

Manufactured by Copamate Products Pty Ltd
32-36 Mologa Road, West Heidelberg
Victoria, Australia, 3081

t: +613 9459 3644
f: +613 9459 2488
e: sales@copamate.com
w: www.copamate.com