

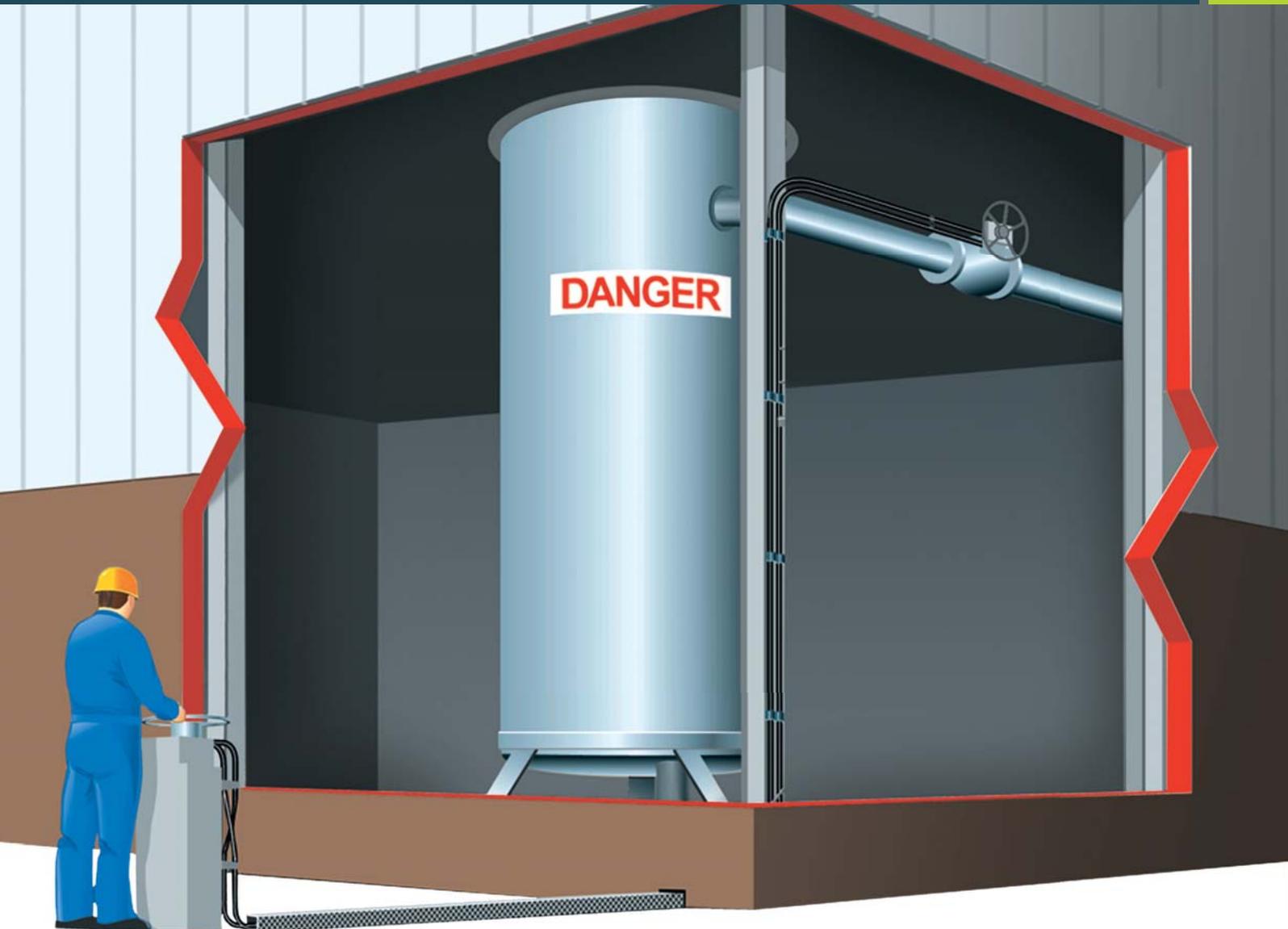
# FLEXIDRIVE

If your valve is:

- In a hazardous area, below water, in a confined space, in a pit, where noxious fugitive emissions prevail.
- Or where valves are just simply out of reach – FlexiDrive is the answer.



# REMOTE CABLE DRIVE VALVE OPERATORS



The cable system can be passed through walls, bulkheads, floors and any other obstacles to reach the valve.

## DESCRIPTION

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FlexiDrive is a very versatile product consisting of two stations, joined by a unique patented linear drive cable. This equipment enables valves and other wheel operated devices in remote, hard-to-reach or hazardous locations to be operated easily from a conveniently located handwheel.

Developed to operate valves in inaccessible locations, FlexiDrive can be applied to any conventional wheel-operated valve/device, in oil, gas and chemical processing plants, or any other industrial application. It is suitable for underwater use and will function reliably in all climatic conditions.

The cable system can deliver adequate torque output for most manual valve situations and can transmit drive to a valve up to 60 metres from the operator station. The flexible cable system facilitates up to 540° of bends in the cable run.

FlexiDrive is available in two sizes: LV for large valves and SV for small valves. SFC will select the most appropriate system for your application.

# FLEXIDRIVE – REMOTE VALVE DRIVE SYSTEM

**SFC systems comprise of four basic elements:**

- 1 Operator Station Actuator.
- 2 SV System Position Indicator.
- 3 Valve Station Actuator.
- 4 Valve Drive Coupling (designed to suit the host equipment).

## 2 SV SYSTEM POSITION INDICATOR



## 1 OPERATOR STATION ACTUATOR



Operator stations are available in a variety of different gear ratios, providing a wide range of torque capabilities. A helically wound steel cable has a pitch the same as that of the cable gear. The precision gear-cable interface provides a positive force to the helix cable, which travels through the flexible conduit to the valve station actuator.

## BASIC MATERIAL SPEC

316 Body Castings  
PBI Bronze Bearings  
IP65 Rating  
Capability Over 30 Metres  
Can Accommodate 540° Bends  
Min Cable Bend Radius 300mm  
High Torque Capacity  
Totally Maintenance Free  
Adaptable To Any Conventional Valve

## 3 VALVE STATION ACTUATOR



## 4 VALVE COUPLING REACTION DEVICE



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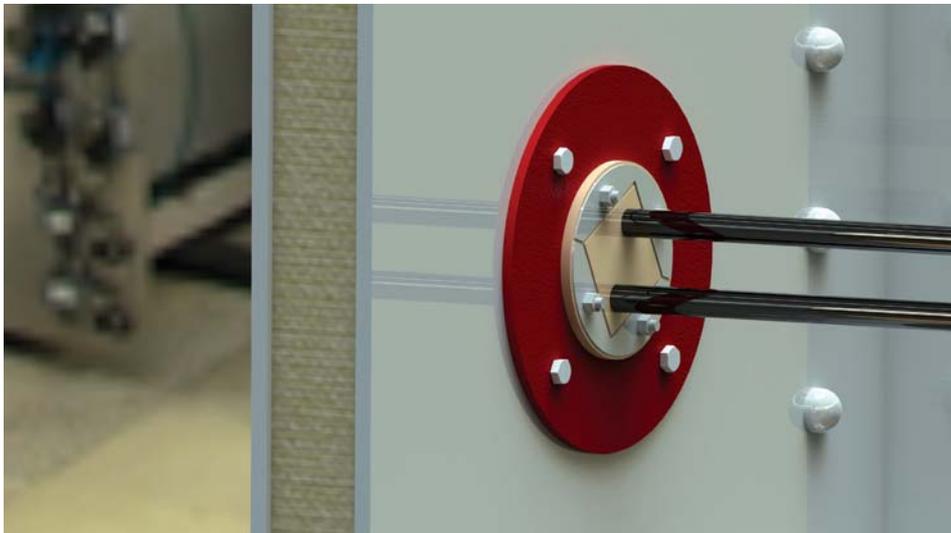
## WHAT INDUSTRY?

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Practically any industry where valves are used would benefit from the FlexiDrive System. SFC can design and install FlexiDrive to meet strict safety guidelines and regulatory body requirements. Additional details of all products illustrated are available on our website at [www.smithflowcontrol.com](http://www.smithflowcontrol.com)



Wall/floor & bulk head penetrations are available subject to applications and or industry e.g. Oil & Gas, Nuclear, Industrial and Marine.



\* Installing Bulkhead and wall penetration systems may require final assembly and approval by qualified SFC engineers.