

Flexi-Drive



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 – **Flexi**Drive™ is the answer.

Remote Cable Drive Valve Operators

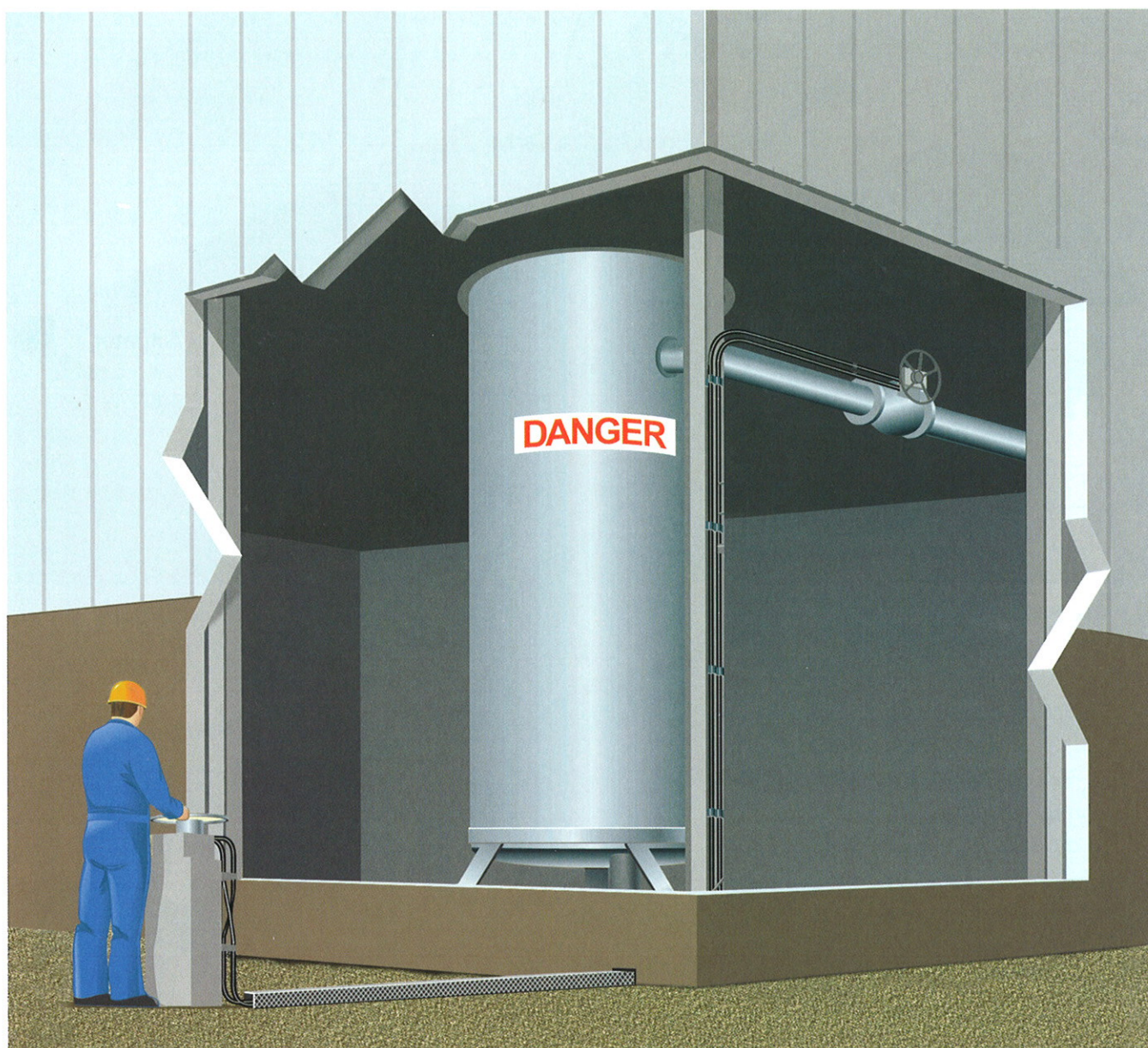
■ Description

FlexDrive™ 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, **FlexDrive™** 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.

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



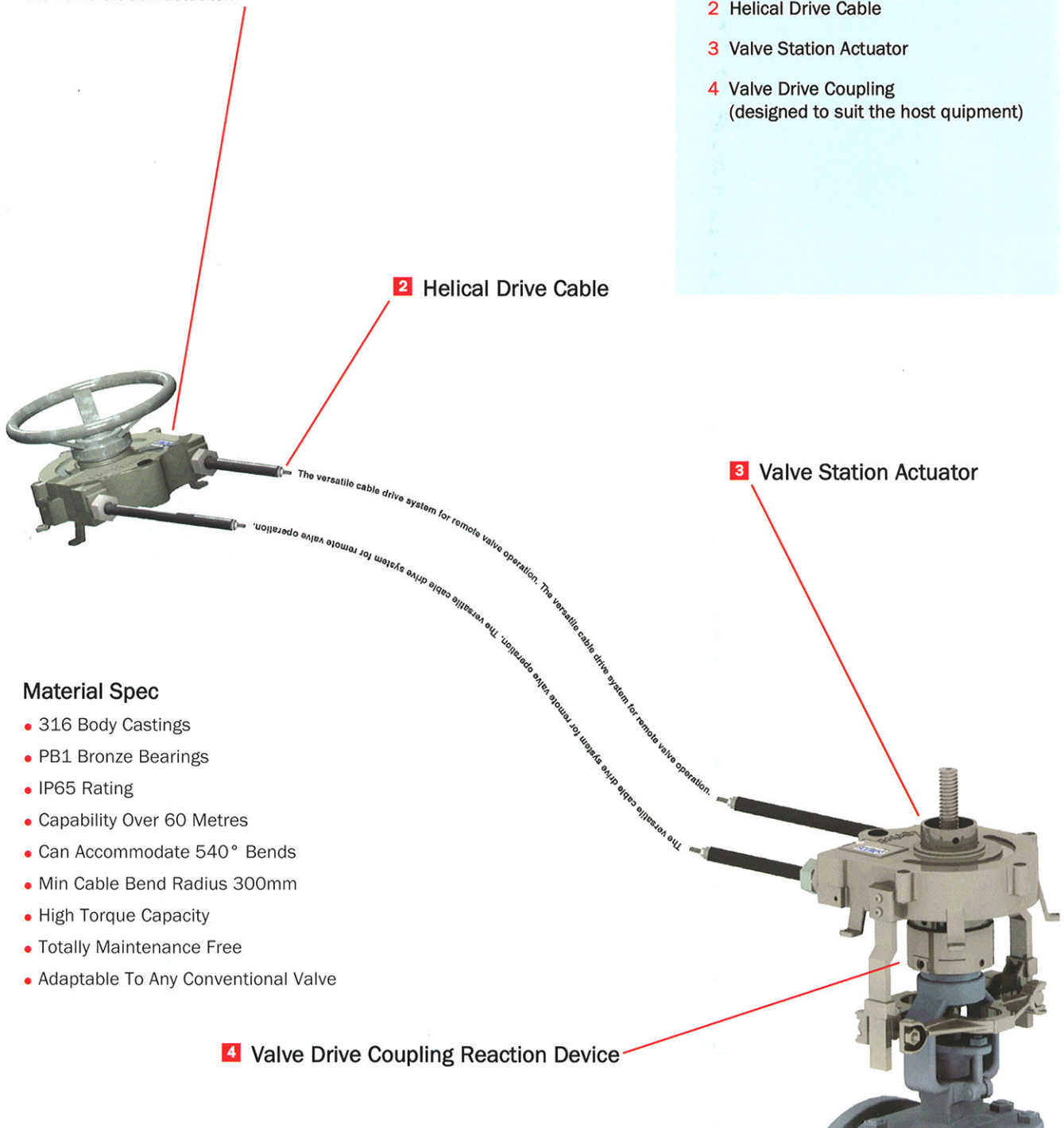
Operation

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.

SFC **Flexi-Drive™** systems comprise of four basic elements:

- 1 Operator Station Actuator
- 2 Helical Drive Cable
- 3 Valve Station Actuator
- 4 Valve Drive Coupling (designed to suit the host quipment)



Material Spec

- 316 Body Castings
- PB1 Bronze Bearings
- IP65 Rating
- Capability Over 60 Metres
- Can Accommodate 540° Bends
- Min Cable Bend Radius 300mm
- High Torque Capacity
- Totally Maintenance Free
- Adaptable To Any Conventional Valve

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■ What Industry?

Practically any industry where valves are used would benefit from the Flexi-Drive System. SFC can design and install Flexi-Drive to meet strict safety guidelines and regulatory body requirements.

Additional details of all products illustrated are available on our web site at www.smithflowcontrol.com

