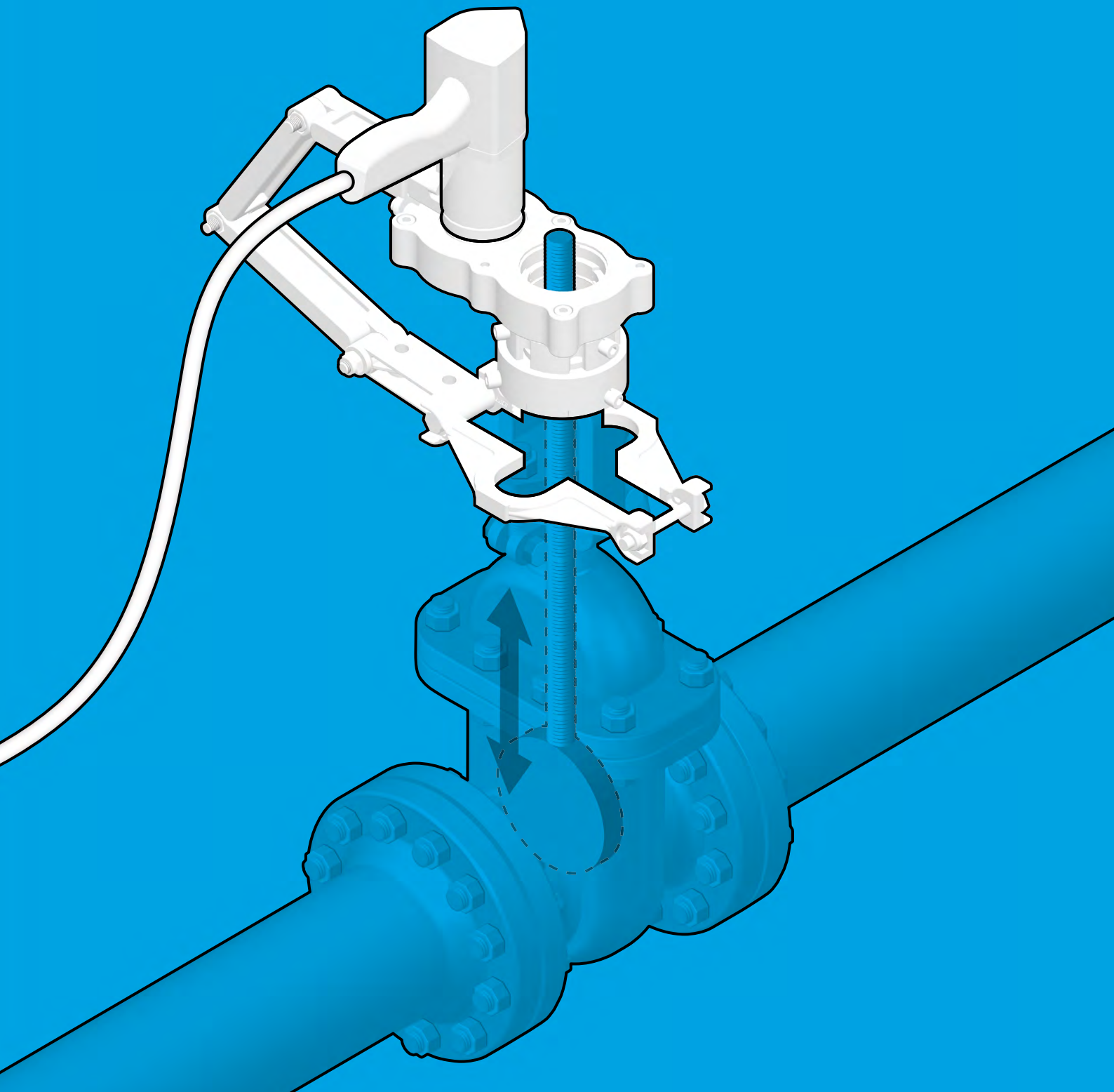




**sofis**

valve operation

## EasiDrive portable actuator system



# User-friendly actuation in the most cost-effective manner

The EasiDrive portable actuator system offers full actuation of all your hard to operate and time-consuming valves without the need for expensive, dedicated actuators.



Pre-install bespoke mounting and reaction kits to your valves...



...carry your portable drive tool in to the field...



...and operate your valves with ease.

## Reduce investment costs by saving on actuator capex

By fitting low-cost mounting and reaction kits to your manual valves, you can operate them all with a single EasiDrive torque tool. EasiDrive doesn't need a dedicated power supply or to be connected to your plant automation system, meaning it's a very cost-effective alternative to multiple stand-alone actuators.

## Easy to use, lowering fatigue and risk of injury

When using the EasiDrive system, you are protected from any potential reaction force. Any feedback is fully absorbed through its bespoke reaction kit. This reduces the risk of back strain and muscle damage. Also, by eliminating the high levels of physical exhaustion suffered by operating high-torque or high-rotation valves, general fatigue is limited, allowing you to maintain higher levels of concentration in your work.

## Maximise efficiency during valve operations

The EasiDrive torque tools are lightweight and can easily be carried into the field. They can be operated with minimum effort, allowing you to maximise your efficiency on site. With the EasiDrive system in place, you can open and close any type of multi-turn valve with ease and speed, even taking the pain out of operating tight or partially-seized valves.



**Chris Erza, Operations Manager, Oiltanking, Dubai**

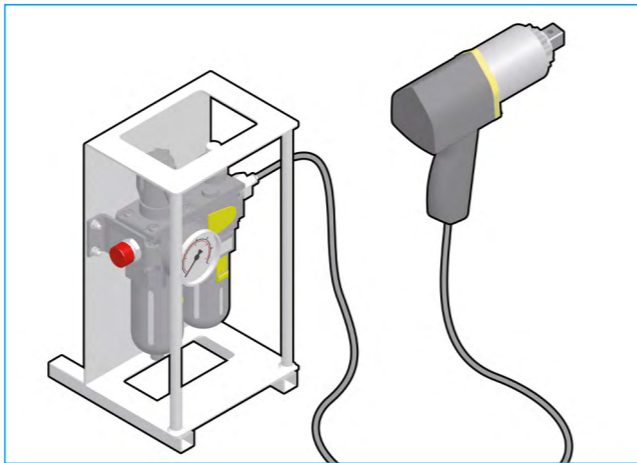
*'We have several big manual valves that are difficult to operate. It becomes a strain to operate valves manually, coupled with working in the extreme heat. We were looking for another way to operate these valves in less time, with less effort and lowering injury risk. EasiDrive was the solution to our issues.'*

# EasiDrive Torque Tool Models

After installing the custom-designed mounting and reaction kits, you can operate the valves with a selected series of professional torque tools from RAD Torque Systems. These tools allow the operator to adjust the torque setting manually and are available in pneumatic, electric and battery operated versions.

## Pneumatic models

The pneumatic torque tool is connected to a Filter Regulator Lubrication (FRL) Pack and operated by the compressed air system at your plant. The FRL preserves the torque tool and ensures that it operates at maximum efficiency. You can simply limit the torque output by adjusting the input air pressure at the FRL. The system is supplied with a standard hose length of 3 metres. A backpack to carry and store the torque tool and the FRL is available as accessory. For use in classified areas Zone 1, the pneumatic systems can be configured with an ATEX kit on request.

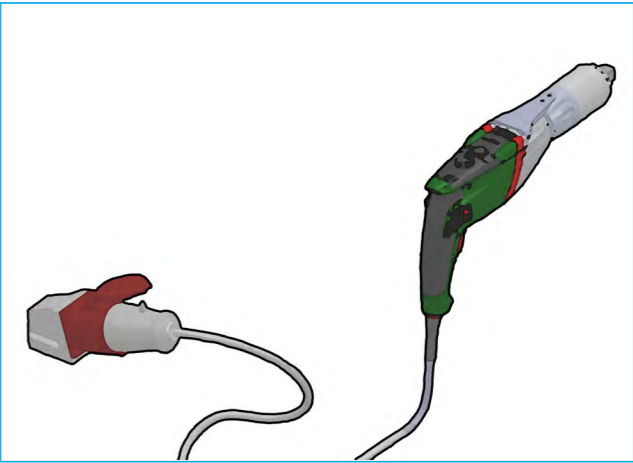


## Pneumatic tool specifications

	Air consumption	Maximum air pressure	Free-speed	Minimum torque	Maximum torque
ED1	792 l/min 28 cfm	7.2 bar 104 psi	275 RPM	35 Nm 26 ft-lb	100 Nm 74 ft-lb
ED5			65 RPM	70 Nm 52 ft-lb	475 Nm 350 ft-lb
ED10			30 RPM	150 Nm 111 ft-lb	950 Nm 701 ft-lb

## Electric model

The electric torque tool is supplied as a 120V AC or 220V AC unit (50/60Hz). Using the display on the tool, you can select the required output torque. The tool is connected to a local electric point for operation. The torque tool is supplied in a weatherproof storage and carrying case.

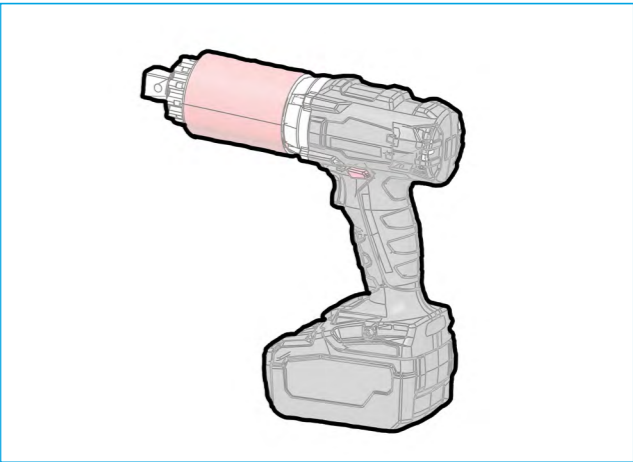


## Electric tool specifications

	Electric supply power	Free-speed	Minimum torque	Maximum torque
EDEMv6	220V or 120V AC 50/60Hz	220V version: 42 RPM 120V version: 31 RPM	65 Nm 48 ft-lb	650 Nm 480 ft-lb

## Battery model

The battery operated torque tool kit is supplied with two Lithium-Ion batteries and a weatherproof transport and storage case as standard. The tool allows the torque setting via an LED display.



## Battery tool specifications

	Battery specification	Free-speed	Minimum torque	Maximum torque
EDBS700	18V Li-ion 5.2Ah/93Wh	21 RPM	170 Nm 125 ft-lb	700 Nm 516 ft-lb

## Mounting and reaction kit configurations

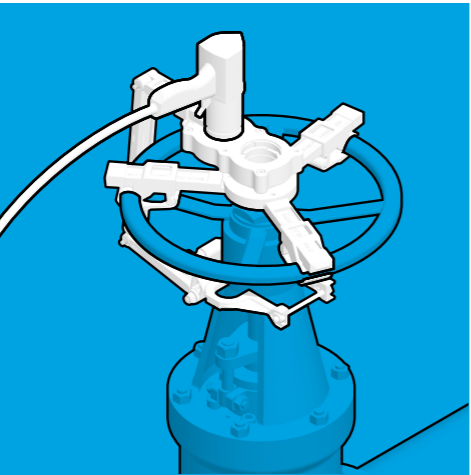
- To select your preferred kit:
1. Check whether your valve has a rising stem.
  2. Determine whether you want to retain the original handwheel for manual valve operation.

### Rising stem offset gearbox

- Without handwheel



- With handwheel

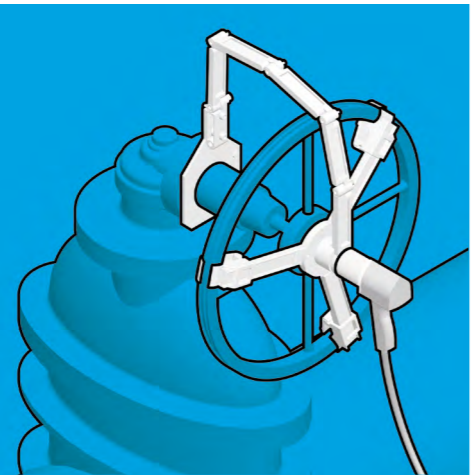


### Gearbox direct drive

- Without handwheel



- With handwheel



## Experience

The EasiDrive portable actuator is a cost effective alternative to dedicated valve actuation. It is used globally by major end users to protect their operators and to maximise efficiency during valve operations.



We are Sofis, the leading valve operation specialists. With our expertise we offer smart integrated solutions to optimise valve operation. Our products help create a safer and more efficient working environment and are often regarded as the industry standard. We work closely with our customers and provide simple and reliable solutions.



#### Contact

For support:  
[support@sofisglobal.com](mailto:support@sofisglobal.com)  
For enquiries:  
[www.sofisglobal.com/contact](http://www.sofisglobal.com/contact)

#### Online

[www.sofisglobal.com](http://www.sofisglobal.com)  
YouTube: Sofis valve operation  
Facebook: @Sofisglobal  
Twitter: @Sofisglobal

#### Locations

Alphen aan den Rijn, Netherlands  
+31 172 471 339

Maldon, United Kingdom  
+44 1621 220 001

Stockstadt, Germany  
+49 6027 405 12-0

Dubai, UAE  
+971 4359 1988

Houston, USA  
+1 281 547 7422

Vadodara, India  
+91 9879 559 345

Bengaluru, India  
+91 9879 559 345

Contact our nearest office for  
a distributor near you, or check  
[www.sofisglobal.com/contact](http://www.sofisglobal.com/contact).