

Cordless Portable Valve Actuators

TorcbraIn cordless portable valve actuators were designed to exceed the industry requirements for a mobile, reliable and accurate valve actuation tool. A range of application-engineered accessories allows the tool to be used safely by a single operator on a number of different types of handwheels and applications.

Increased mobility

- Low weight due to the use of Li-Ion batteries and the elimination of electric cables or air supply hoses
- Drive unit can be swivelled, ideal for hard to reach valves
- Comfortable operation, excellent ergonomics and low weight

Higher productivity

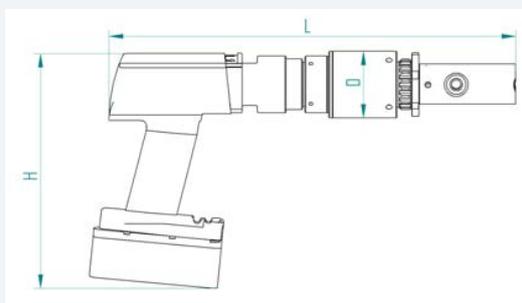
- Flexible and mobile due to cordless drive system
- Lightweight, fast, accurate and reliable
- Max. valve protection with adjustable torque control (4 speed gearbox with 48 torque settings) and up to 900 Nm
- Safe operation, auto shut-off once selected torque is reached
- Fingertip controls on, off, forward - reverse
- Easy one man setup and operation - no operating tools required
- Tool design allows for good operator-feedback on the valve, allowing repetitive back and forth motion required for proper valve cleaning
- Maintenance free, brushless EC-motor
- Made in Germany

Efficient and cost effective

TorcbraIn portable cordless valve actuators are an efficient and cost effective alternative to a dedicated valve actuator. Wherever there are manually operated valves that have high operating torques, hundreds of handwheel turns to open/close or are just difficult to operate then here is your solution.



| Type | reference | torque [Nm] | torque settings | max. speed [rpm] | dimension L mm | dimension D mm | dimension H mm | weight (incl. Bat) |
|----------------|-----------|-------------|-----------------|------------------|----------------|----------------|----------------|--------------------|
| EIT-TB70SD | 70SDsys | 70 | 12 | 160 | 340 | 42 | 250 | 3,2 |
| EIT-TB300SD | 300SDsys | 300 | 48 | 140 | 365 | 58 | 250 | 4 |
| EIT-TB900SD | 900SDsys | 900 | 48 | 52 | 400 | 68 | 250 | 5 |
| EIT-TB300SD-RC | 300SDZsys | 300 | 48 | 140 | 365 | 58 | 250 | 4 |
| EIT-TB900SD-RC | 900SDZsys | 900 | 48 | 52 | 400 | 68 | 250 | 5 |



Torcbrain cordless valve actuators

Torcbrain cordless valve actuators can be used where valve size, pressure rating or work environmental conditions would normally demand a permanent dedicated actuator or would require a work crew.

- Low cost alternative to permanent dedicated actuators
- No requirement for a permanent power supply
- Ideal for minimum facilities installations
- Wide band torque capability with variable torque adjustment
- Ideal for moving tight or partially-seized valves
- Adaptable to most sizes/types of valve
- Eliminates operator fatigue and greatly reduces the risk of injury
- Reduces work crew tasks to one-man operation

48 different torque settings

Each tool offers 48 different torque settings available through the high quality 4 speed mechanical gearbox and twelve available torque settings. Once the selected torque is achieved, an acoustic signal is given and the tool automatically shuts off. No clutch, no ratcheting, no variances.

Torcbrain Cordless Torque Wrenches in a set

All Torcbrain Cordless Valve actuators wrenches come fully calibrated and complete with:

- Torque Reaction arm
- Two 18V 5,2 Ah Li-Ion batteries
- Battery charger
- Operating manual
- Sturdy tool box

Accessories:

Vario telescope

The Vario-telescope is completely made of stainless steel. The telescope allows the ergonomic height adjustment of the drive to the position of the worker. The respective maximum torques can be transmitted: TB300 (VARIO300, #vario300tele) or TB900 (VARIO900, #vario900tele). The integrated quick-change system allows the height adjustment and the exchange of the nuts with only one hand and without additional.



Torque Reaction Arms - Side Handles

The torque reaction arms can be fitted to the tool to take up the torque transmitted from the tool to the valve. The torque reaction arm for the Model TB300SD is made from lightweight Aluminium, 1 x arm is suitable for the torque transmitted. The torque reaction arms for the Model TB900SD are made from steel and 2 x arms are required to take up the much higher torque for this model.

The side handles can be fitted easily and quickly to the adaptor on the tool.



hand wheel adaptor (#hara300sys, #hara900sys)

Allows the operation of handwheels (not rising). The quick-change driving pins can be changed for 3/5 spoked handwheels with just one hand and without additional tools (diameter adapter: 150mm).



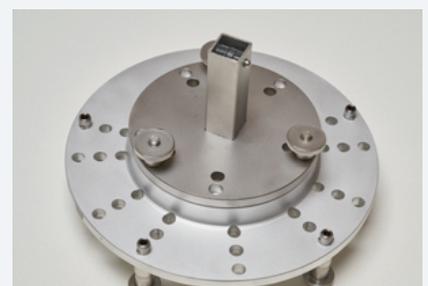
Hand wheel adaptor for rising spindles (#hara900sys650)

Allows the use on handwheels with rising spindles. The quick-change driving pins can be changed for 3/5 spoked handwheels with just one hand and without additional tools (diameter adapter: 150mm).



Extension for handwheels with large diameter (#hara250)

Increases the diameter of the standard handwheel adaptor (D150mm) to 250mm. This extension can be used with rising and non-rising spindles. The quick-change driving pins can be repositioned for 3/4/5 spoked handwheels with just one hand and without additional tools. The extension is plugged onto the standard handwheel adaptor and fixed with knurled screws.



Accessories:



Bidirectional revolution counter (upgrade: #zaehler300bikplt, #zaehler900bikplt)

Counts the number of revolutions contactless left- and right-rotating. Ideal for sliders with a larger number of revolutions.



12V inverter (#powerconv12230)

Robust and reliable, the inverter converts 12V DC voltage (car cigarette lighter) into 230V AC voltage. This allows the battery operated valve actuator to be operated. Ideal for outdoor work



Power unit (#powerunit230)

Converts your battery-powered valve actuator into a mains-operated actuator. Robust and reliable. Simply replace the battery with the mains adapter and turn it permanently wherever mains voltage (230V~) is available..

sockets

- small socket VAS 14/10mm (1)
- large socket KOS 27/32mm (2a/2b)
- Cardan joint (3)
- Small triangular socket
- large triangular socket
- Square socket 22mm (Suisse) (4)
- special sockets on request

