

## COMPACT

### VALVE MAINTENANCE TRAILER

The Compact Mobile Valve Exerciser is an entry-level solution for small councils and water boards who understand the importance of a valve exercising and maintenance program.

Safe, efficient and smart, the Compact unit is simple to operate with manual start and easy to operate hydraulic arm.



#### TRAILER

- 7x4 single axle
- 50mm ball hitch
- Cable override brakes with park and electrical brakes
- 1800mm draw-bar
- 15-inch wheel with AT tyres and spare
- Painted finish
- All LED lighting
- 1400KG ATM
- Skid 440Kg

#### ENGINE

14.5 HP diesel 2 cylinder water-cooled Isuzu

#### HYDRAULIC SYSTEM

- Direct coupled fixed displacement gear pump rated at 30 LPM @ 2000 PSI continuous duty
- 25 litre reservoir, controlled fan-cooled heat exchanger, with oil level sight glass

#### HYDRAULIC RAISE AND LOW

(Optional) Hydraulic powered raise and lowering of the ERV exercising arm that allows the arm an extra 500mm height to reach over valve surrounds and above ground mounted valves.

#### 90 DEGREE ROTATION

(Optional) Rotating flange in the ERV arm allows the valve exercising head to be rotated 90 degrees to access horizontally mounted valves.

#### AUXILIARY HYDRAULICS

- Auxiliary hydraulic outlet with quick disconnects

#### CONTROLS

- Key start with emergency stop
- Engine hour meter

#### FUEL TANK

- 25L Diesel with sight glass

#### TOOL BOX

500mm x 450mm x 1200mm aluminium checker plate, lockable with gas struts.

#### WACHS ERV-750 MOUNTED VALVE EXERCISER

Articulating arm, automated valve operator utilising industry exclusive intelligent automation to control torque, direction and turns.

Twin arms (one telescoping) provide 3.9m reach and 270 degrees of freedom. Hydraulic disk brakes safely secure the exerciser capable of 750 Ft-Lb [1016 Nm] of torque. Constructed of 76 mm square steel tube and powder coated for long life. A light weight, telescoping valve key is also provided.

#### WACHS TC-110



This new controller operates on Windows 11 Pro, and comes preloaded with the latest version of VITALS Mobile software. When combined with VITALS Desktop software (available as a free download on [turnvalves.com](http://turnvalves.com)), it represents the most sophisticated method of controlling your Wachs valve maintenance equipment while simultaneously recording data.

#### DATA MANAGEMENT

Fully compatible with either VITALS or infraMap with VITALS software packages which enable full data logging and synchronization between the handheld device and your desktop. Allows importing of existing data labels and categories with user defined fields.

#### BLUETOOTH TETHER

Wireless control of your valve exercising machine(s) via a secure Bluetooth connection

#### VALVE MACHINE INTELLIGENT AUTOMATION

Wachs valve exercisers utilise industry exclusive "no assumption" automation technology to safely and effectively turn valves.

This technology protects the operators by keeping "hands off" the machine while exercising the valve and protects the valve by not assuming size, direction or current position. Allowing the machine to follow the path of least resistance, the programming and sensors automatically stop the rotation and reverse in half turn increments as to flush calcification from valve gate.

This automation always exercises valve at the minimum torque required to turn, then automatically lowers preset threshold once rotation begins so impact at end of valve travel is soft as possible.

