

## 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 drawbar
- 15-inch wheel with AT tyres and spare
- Painted finish
- All LED lighting
- 1400KG ATM

#### ENGINE

22 HP Kubota Diesel 3 cylinder liquid cooled

#### 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

#### HYDRAULIC SYSTEM

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

#### AUXILIARY HYDRAULICS

- Auxiliary hydraulic outlet with quick disconnects

#### CONTROLS

- Key start with Emergency stop
- Engine hour meter

#### FUEL TANK

40L with sight glass

#### TOOL BOX

500mmx450mmx1200mm aluminium checker plate, lockable with gas struts.

#### WACHS ERV-750 MOUNTED VALVE EXERCISER

Articulating arm, automated valve operator utilizing industry exclusive intelligent automation to control torque, direction and turns. Twin arms (one telescoping) provide 3.9 m reach over 270 degrees of freedom while hydraulic disk brakes safely secure 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 HC-100



Ruggedized PDA style handheld controller to operate and collect data for either arm (ERV-750) or slide (TM-6 upgraded & TM-7) style valve exercisers. Rugged handheld controller with built in GPS, the bright touch screen is water resistant and meets military specifications. Submeter GPS options available.

#### 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 utilize 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.

