

Compact LX VMT

Valve Maintenance Trailer System

Valve Exercising Equipment		Yes	No	Specify
ERV-750 Patents: #9,523,443 #9,188,240 #9,038,667 #8,025,078	An articulating arm, automated valve operator, utilizing proprietary intelligent automation (VITALS) to control torque, direction, and turns. Dual arms (one telescoping) provide 13' [3.9 m] reach over 270 degrees of freedom while automatic hydraulic disk brakes safely secure equipment in any position during operations up to 750 ft/lbs [1016 Nm] of torque. Constructed of 3" [76 mm] square steel tube. Powder coated for long life. A lightweight, telescoping valve key is also provided.	X		
Valve Machine Intelligent Automation (VITALS) Patent: #5,937,373	Wachs valve exercisers utilize proprietary "no assumption" automation technology to safely and effectively turn valves using AWWA recommended procedures. This technology protects the operators by keeping their "hands off" the machine while exercising the valve and protects the valve by not assuming size, direction, or current position. Torque is applied until the device senses resistance, causing the programming and sensors to automatically stop the rotation and reverse in half-turn increments to flush calcification from the valve gate. This patented automation process always exercises valves at the minimum torque required to turn, then automatically lowers the preset threshold once rotation begins so the impact at end of valve travel is soft as possible.	X		
TC-100 Controller (#79-422-05)	Ruggedized Win10 Pro Tablet Controller to operate and collect data for either arm (ERV-750) or slide (TM-6 upgraded & TM-7) style valve exercisers. The TC-100 includes a built-in GPS and bright touch screen display. TC-100 is water resistant and meets IP68 and MIL-STD-810G military specifications. Trimble R2 GPS upgrade kit 79-412-02 (Submeter without subscription or down to Centimeter with subscription service) optionally available.	X		
Data Management	Fully compatible with the VITALS database, infraMap with VITALS, Unity with VITALS, or Sedaru with VITALS GIS software packages enabling full data logging and synchronization between the handheld and your ArcGIS database. Allows importing/exporting of existing data labels and categories with user-defined fields.	X		

Power Pack		Yes	No	Specify
Engine	Briggs & Stratton 16 HP [11.9 KW] gasoline, model 305447 Vanguard 16 HP V-Twin H/S (79-000-25)	X		
Controls	Digital tachometer, engine hour meter, ignition switch and throttle conveniently mounted on service side of equipment	X		
Hydraulic System	Direct coupled pump rated at 8 GPM [30 LPM] @ 1,800 PSI [124 BAR] continuous duty. 10 gallon [37 L] hydraulic reservoir with thermostatically-controlled fan-cooled heat exchanger. Instrumentation includes an oil level gauge, temperature gauge, pressure gauge, and selector valve switching to an HTMA class II auxiliary hydraulic circuit.	X		

Trailer		Yes	No	Specify
Frame	2,300 lbs [1043 Kg] GVWR trailer with single axle, independent torsion wheel suspension. Uni-frame design converts from fork truck skid to trailer with bolt on components. All steel construction with metal deck. Tongue weight is 200 lbs [90 Kg] dry.	X		
Lighting	DOT approved LED lighting with Weather Pack environmentally sealed connectors.	X		
Finish	Entire trailer is solvent washed and phosphoric etched. All seams are caulked then a two part urethane paint (color white/black) applied. A durable plastic bed lining product is then applied to trailer deck. Fenders are powder coated for durable, chip resistant finish.	X		
Pintle Hitch	Pintle with Safety Chains	X		
Safety Compliance	Member of the National Association of Trailer Manufacturers (NATM) and verified compliant with NATM Guidelines. Guidelines are a compilation of federal safety standards and regulations along with industry best practices that govern trailer construction. Compliant manufacturers have had a third-party expert verify their processes are designed to produce trailers which meet Federal Motor Vehicle Safety Standards and recommended industry practices. It signifies a commitment to safety.	X		



LX Package		Yes	No	Specify
Storage Bin	Heavy duty steel storage bin	X		
Service Lighting	Programmable eight-function arrow board light bar features six lighting sections, dual-mounted swiveling halogen work lights, and a control box.	X		
Bluetooth Tether	Wireless control of your valve exercising machine via a secure Bluetooth connection.	X		
Hydraulic Hose Reel	50' [15.2 m] spring rewind hose reel with quick disconnects for auxiliary hydraulic power.	X		