



600 Knightsbridge Parkway, Lincolnshire, Illinois 60069  
 (847) 537-8800 | Fax (847) 520-1147  
 turnvalves.com

# Quotation

Page 1 of 9

TO: **Melonie Perry**  
 Bid Administrator  
 Buyboard  
 7620 Guadalupe Street  
 PO Box 400  
 Austin, TX 78767-0400

Date: 4/24/2023  
 Quotation Number: KR195526  
 Payment Terms: Net 30  
 Shipping Terms: FOB Lincolnshire  
 Valid Through: 10/2/2023  
 Estimated Delivery: See Below

2023 Utility Products Pricelist - Buyboard Contract #684-22

Item Number	Description	Qty	U/M	Unit Price (USD)	Disc%	Line Total (USD)
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**\*\*\* Trailer - Valve Maintenance \*\*\***

\*\*\* Trailer - Valve Maintenance \*\*\*

1	77-000-55	1	EA	79,995.00	1.5%	78,795.07
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Standard LX (Gas) – VMS (RH): Single turner valve maintenance skid; includes Wachs 750 ft-lb (1020 Nm) Extended Reach Valve operator for those preventive maintenance activities, telescoping valve key and Wachs ruggedized TC-100 with GPS controller/datalogger. A 27 HP (20 kW) gasoline powered Kohler overhead cam air cooled engine provides ample power for all contained functions, including an auxiliary HTMA Class II circuit; 10 gallon (38 L) reservoir, fan cooled heat exchanger, continuous duty rated for 8 GPM (30.3 LPM) @ 2,000 PSI (140 bar). A positive displacement blower provides 500 CFM (14.2 cmm)-11" (280mm) Hg vacuum, with spoils containment provided by a 250 (950 L) gallon tank with power hydraulic dump (rear discharge) and latching rear door. Also driven from the common power train is a 2.5 gpm (9.5 LPM) @ 3000 PSI (210 bar) pressure washer system with 3 gallon (11.4 L) anti-freeze tank and 95 gallon (360 L) water tank. Includes 2-1/2" (63.5mm), 1-1/4" (31.75mm) & 7/8" (22mm) suction wands and one each short and long wash-down guns. The LX package bundles the service light bar with arrow board, 45' (14 M) auxiliary hydraulic hose reel for operation of hydraulic power tools & Bluetooth tethering module (installed in ERV-750) for wireless communication between the exerciser and Controller/Data Logger.

Available Options:

17-405-00 Grand Upgrade

The VMS skid is designed to accept a second valve operator; our top dog TM-7 HD Plus valve operator (up to 2,500 ft-lb of torque) with both automated and manual control ideal for larger, older, stubborn, or stuck valves, generating up to a massive 2,500 ft lbs [3,390 Nm] in a controlled, gradual manner to prevent breakage. Ships mounted in VMS at minimum width, consult manual for accommodating wider deck widths.

77-409-00 Job Box

Weather tight, locking aluminum job box measures 30" wide, 17" tall, 16" deep and comes with mounting trim to close off the surrounding cavity. This job box is only an option when not outfitting the VMS with TM-7 HD Plus (fits into cavity reserved for the 17-405-00)

77-414-02 Hot Water Heater

Alkota 385000 Btu, hydro insulated cold water wrap coil construction with 13 gallon diesel fuel tank, draft diverter, thermostat, high limit temp control and flow switch for on demand hot water.

79-412-02 Trimble R2

GNSS receiver provides capability of submeter to centimeter level positioning accuracy (highest accuracy in real-time with the use of correction sources) over the included navigation grade GPS.

2	77-400-00	1	EA	8,495.00	1.5%	8,367.57
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8,000 GVRW VMS Bunk Trailer manufactured by Karavan Trailers for Wachs. Perimeter frame deck area approximately 8' x 6' with three cross braces for installation of Wachs Standard VMS with provision to add Wachs TM-7 HD Plus. Single torsion flex, sure lube axle, 12" electric brakes running on ST255/85R16E radial tires rated to 4,080 pounds. The trailer is two coat, black wet painted to match the skid platform, utilizes a 2,500 jack and is interfaced with a standard 3" pintle ring. All lighting is LED and fully grounded.

3	17-405-00	1	EA	21,995.00	1.5%	21,665.07
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TM-7 HD Plus (only for LX or Builder installs) Automated Valve Operator, Exercisor and Rehabilitator with Bluetooth Kit for VMS systems, featuring Wachs industry leading automation. Heavy Duty 2,500 ft. lb. torque system with dual hybrid control functionality. Operate either fully automatic with Controller/Datalogger (part #79-422-01/02/05/06 not included), or manually through direction control toggle, digital revolution counter and torque output gauge (no Controller/Datalogger required). Mounting frame is indexable to VMS in 2-1/2" increments to adapt to different bed widths; shipping location is plum to skid frame (72" skid width) to 15" beyond (87" skid width). For wider truck decks the TM-7 needs to be mounted outside the VMS; if mounting in other than default location, longer hydraulic hoses may be required (not included). Kit includes TM-7 HD Plus, bluetooth adapter, 8" valve key, mounting hardware and interface plumbing. May require Ruggedized Controller/Datalogger (Part#79-422-01/02/05/06) if not already included in other options.

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Date: 4/24/2023  
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Item Number	Description	Qty	U/M	Unit Price (USD)	Disc%	Line Total (USD)
4	77-409-01 A-Frame Job Box for VMS Trailer. 66" Long, 15" deep and 18" Tall. Twin interconnected latches with lock on street side and dedicated storage pocket for manuals. Sturdy .100" thick, polished diamond plate aluminum, watertight with gas springs on full 90 degree lid.	1	EA	1,150.00	1.5%	1,132.75
5	77-000-54 Standard LX (Diesel) – VMS (RH): Single turner valve maintenance skid; includes Wachs 750 ft-lb (1020 Nm) Extended Reach Valve operator for those preventive maintenance activities, telescoping valve key and Wachs ruggedized TC-100 with GPS controller/datalogger. A Tier 4F compliant, Kubota 1.1L, I-3 4-stroke, liquid cooled, IDI diesel engine provides ample power for all contained functions, including an auxiliary HTMA Class II circuit; 10 gallon (38 L) reservoir, fan cooled heat exchanger, continuous duty rated for 8 GPM (30.3 LPM) @ 2,000 PSI (140 bar). A positive displacement blower provides 500 CFM (14.2 cmm)-11" (280mm) Hg vacuum, with spoils containment provided by a 250 (950 L) gallon tank with power hydraulic dump (rear discharge) and latching rear door. Also driven from the common power train is a 2.5 GPM (9.5 LPM) @ 3000 PSI (210 bar) pressure washer system with 3 gallon (11.4 L) anti-freeze tank and 95 gallon (360 L) water tank. Includes 2-1/2" (63.5mm), 1-1/4" (31.75mm) & 7/8" (22mm) suction wands and one each short and long wash-down guns. The LX package bundles the service light bar with arrow board, 45' (14 M) auxiliary hydraulic hose reel for operation of hydraulic power tools & Bluetooth tethering module (installed in ERV-750) for wireless communication between the exerciser and Controller/Data Logger.	1	EA	87,995.00	1.5%	86,675.07
<p>Available Options:</p> <p>-----</p> <p>17-405-00 Grand Upgrade The VMS skid is designed to accept a second valve operator; our top dog TM-7 HD Plus valve operator (up to 2,500 ft-lb of torque) with both automated and manual control ideal for larger, older, stubborn, or stuck valves, generating up to a massive 2,500 ft lbs [3,390 Nm] in a controlled, gradual manner to prevent breakage. Ships mounted in VMS at minimum width, consult manual for accommodating wider deck widths.</p> <p>77-409-00 Job Box Weather tight, locking aluminum job box measures 30" wide, 17" tall, 16" deep and comes with mounting trim to close off the surrounding cavity. This job box is only an option when not outfitting the VMS with TM-7 HD Plus (fits into cavity reserved for the 17-405-00)</p> <p>77-414-02 Hot Water Heater Alkota 385000 Btu, hydro insulated cold water wrap coil construction with 13 gallon diesel fuel tank, draft diverter, thermostat, high limit temp control and flow switch for on demand hot water.</p> <p>79-412-02 Trimble R2 GNSS receiver provides capability of submeter to centimeter level positioning accuracy (highest accuracy in real-time with the use of correction sources) over the included navigation grade GPS.</p>						
6	77-400-00 8,000 GVRW VMS Bunk Trailer manufactured by Karavan Trailers for Wachs. Perimeter frame deck area approximately 8' x 6' with three cross braces for installation of Wachs Standard VMS with provision to add Wachs TM-7 HD Plus. Single torsion flex, sure lube axle, 12" electric brakes running on ST255/85R16E radial tires rated to 4,080 pounds. The trailer is two coat, black wet painted to match the skid platform, utilizes a 2,500 jack and is interfaced with a standard 3" pintle ring. All lighting is LED and fully grounded.	1	EA	8,495.00	1.5%	8,367.57
7	77-409-01 A-Frame Job Box for VMS Trailer. 66" Long, 15" deep and 18" Tall. Twin interconnected latches with lock on street side and dedicated storage pocket for manuals. Sturdy .100" thick, polished diamond plate aluminum, watertight with gas springs on full 90 degree lid.	1	EA	1,150.00	1.5%	1,132.75

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Item Number	Description	Qty	U/M	Unit Price (USD)	Disc%	Line Total (USD)
8	17-405-00 TM-7 HD Plus (only for LX or Builder installs) Automated Valve Operator, Exercisor and Rehabilitator with Bluetooth Kit for VMS systems, featuring Wachs industry leading automation. Heavy Duty 2,500 ft. lb. torque system with dual hybrid control functionality. Operate either fully automatic with Controller/Datalogger (part #79-422-01/02/05/06 not included), or manually through direction control toggle, digital revolution counter and torque output guage (no Controller/Datalogger required). Mounting frame is indexable to VMS in 2-1/2" increments to adapt to different bed widths; shipping location is plum to skid frame (72" skid width) to 15" beyond (87" skid width). For wider truck decks the TM-7 needs to be mounted outside the VMS; if mounting in other than default location, longer hydraulic hoses may be required (not included). Kit includes TM-7 HD Plus, bluetooth adapter, 8' valve key, mounting hardware and interface plumbing. May require Ruggedized Controller/Datalogger (Part#79-422-01/02/05/06) if not already included in other options.	1	EA	21,995.00	1.5%	21,665.07
9	77-000-36 Standard LX (Gas) – VMT (RH): Single turner valve maintenance trailer; includes Wachs 750 Ft/lb (1020 Nm) Extended Reach Valve operator for those preventive maintenance activities, telescoping valve key and Wachs ruggedized TC-100 with GPS controller/datalogger. A 27 HP (20 kW) gasoline powered Kohler overhead cam air cooled engine provides ample power for all contained functions, including an auxiliary HTMA Class II circuit; 10 gallon (38 L) reservoir, fan cooled heat exchanger, continuous duty rated for 8 GPM (30.3 LPM) @ 2,000 PSI (140 bar). A positive displacement blower provides 500 CFM (14.2 cmm)-11" (280mm) Hg vacuum, with spoils containment provided by a 250 (950 L) gallon tank with power hydraulic dump (rear discharge) and latching rear door. Also driven from the common power train is a 2.5 GPM (9.5 LPM) @ 3000 PSI (210 bar) pressure washer system with 3 gallon (11.4 L) anti-freeze tank and 95 gallon (360 L) water tank. Includes 2-1/2" (63.5mm), 1-1/4" (31.75mm) & 7/8" (22mm) suction wands and one each short and long wash-down guns. The LX package bundles the service light bar with arrow board, 45' (14 M) auxiliary hydraulic hose reel for operation of hydraulic power tools & Bluetooth tethering module (installed in ERV-750) for wireless communication between the exerciser and Controller/Data Logger and 24" (61cm) X 18" (46cm) x 18" (46cm) aluminum job box.  Other options available include: Under deck mounted Spare Tire Kit (77-411-00), 2-5/16" Ball Tongue (77-215-01), 45lb Breaker, Mount and 14" Moil Point (08-000-10, 08-405-00 & 08-410-02) or already GPS enabled controller/datalogger, however adding Trimble R2 GNSS receiver (79-412-02) provides capability of submeter to centimeter level positioning accuracy (highest accuracy in real-time with the use of correction sources).	1	EA	81,995.00	1.5%	80,765.07
10	77-000-38 Standard LX (Diesel) – VMT (RH): Single turner valve maintenance trailer; includes Wachs 750 Ft/lb (1020 Nm) Extended Reach Valve operator for those preventive maintenance activities, telescoping valve key and Wachs ruggedized TC-100 with GPS controller/datalogger. A Tier 4F compliant, Kubota 1.1L, I-3 4-stroke, liquid cooled, IDI diesel engine provides ample power for all contained functions, including an auxiliary HTMA Class II circuit; 10 gallon (38 L) reservoir, fan cooled heat exchanger, continuous duty rated for 8 GPM (30.3 LPM) @ 2,000 PSI (140 bar). A positive displacement blower provides 500 CFM (14.2 cmm)-11" (280mm) Hg vacuum, with spoils containment provided by a 250 (950 L) gallon tank with power hydraulic dump (rear discharge) and latching rear door. Also driven from the common power train is a 2.5 GPM (9.5 LPM) @ 3000 PSI (210 bar) pressure washer system with 3 gallon (11.4 L) anti-freeze tank and 95 gallon (360 L) water tank. Includes 2-1/2" (63.5mm), 1-1/4" (31.75mm) & 7/8" (22mm) suction wands and one each short and long wash-down guns. The LX package bundles the service light bar with arrow board, 45' (14 M) auxiliary hydraulic hose reel for operation of hydraulic power tools & Bluetooth tethering module (installed in ERV-750) for wireless communication between the exerciser and Controller/Data Logger and 24" (61cm) X 18" (46cm) x 18" (46cm) aluminum job box.  Other options available include: Under deck mounted Spare Tire Kit (77-411-00), 2-5/16" Ball Tongue (77-215-01), 45lb Breaker, Mount and 14" Moil Point (08-000-10, 08-405-00 & 08-410-02) or already GPS enabled controller/datalogger, however adding Trimble R2 GNSS receiver (79-412-02) provides capability of submeter to centimeter level positioning accuracy (highest accuracy in real-time with the use of correction sources).	1	EA	89,995.00	1.5%	88,645.07

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11	79-000-25	1	EA	39,995.00	1.5%	39,395.07

Compact LX (Gas) – VMT: Single turner valve maintenance trailer; includes Wachs 750 Ft/lb (1020 Nm) Extended Reach Valve operator, telescoping valve key and Wachs ruggedized HC-100 with GPS controller/datalogger. A 16 H.P (12 kW) Briggs and Stratton V-Twin engine with hydraulic pump provides ample power for all contained functions, including an auxiliary HTMA Class II circuit; 10 gallon (38 L) reservoir, fan cooled heat exchanger, continuous duty rated for 8 GPM (30.3 LPM) @ 1,800 PSI (125 bar). The LX package bundles the light bar with arrow board, 45' (14 M) auxiliary hydraulic hose reel for operation of hydraulic power tools, Bluetooth tethering module (installed in ERV-750) for wireless communication between the exerciser and Controller/Data Logger and steel storage bin.

Already GPS enabled, however adding option 79-412-02 (Trimble R2 GNSS receiver) provides survey grade centimeter accuracy.

**\*\*\* Skid - Valve Maintenance \*\*\***

\*\*\* Skid - Valve Maintenance \*\*\*

12	77-000-54	1	EA	87,995.00	1.5%	86,675.07
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Standard LX (Diesel) – VMS (RH): Single turner valve maintenance skid; includes Wachs 750 Ft/lb (1020 Nm) Extended Reach Valve operator, telescoping valve key and Wachs ruggedized HC-100 with GPS controller/datalogger. A Tier 4F compliant, Kubota 1.1L, I-3 4-stroke, liquid cooled, IDI diesel engine provides ample power for all contained functions, including an auxiliary HTMA Class II circuit; 10 gallon (38 L) reservoir, fan cooled heat exchanger, continuous duty rated for 8 GPM (30.3 LPM) @ 1,800 PSI (125 bar). A positive displacement blower provides 500 CFM (14.2 cmm)-11" (280mm) Hg vacuum, with spoils containment provided by a 250 (950 L) gallon tank with power hydraulic dump (rear discharge) and latching rear door. Also driven from the common power train is a 2.5 gpm (9.5 LPM) @ 3000 PSI (210 bar) pressure washer system with 3 gallon (11.4 L) anti-freeze tank and 95 gallon (360 L) water tank. Includes 2-1/2" (63.5mm), 1-1/4" (31.75mm) & 7/8" (22mm) suction wands and one each short and long wash-down guns. The LX package bundles the service light bar with arrow board, 45' (14 M) auxiliary hydraulic hose reel for operation of hydraulic power tools & Bluetooth tethering module (installed in ERV-750) for wireless communication between the exerciser and Controller/Data Logger.

Already GPS enabled, however adding option 79-412-02 (Trimble R2 GNSS receiver) provides survey grade centimeter accuracy.

13	77-000-55	1	EA	79,995.00	1.5%	78,795.07
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Standard LX (Gas) – VMS (RH): Single turner valve maintenance skid; includes Wachs 750 Ft/lb (1020 Nm) Extended Reach Valve operator, telescoping valve key and Wachs ruggedized HC-100 with GPS controller/datalogger. A 27 HP (20 kW) gasoline powered Kohler overhead cam air cooled engine provides ample power for all contained functions, including an auxiliary HTMA Class II circuit; 10 gallon (38 L) reservoir, fan cooled heat exchanger, continuous duty rated for 8 GPM (30.3 LPM) @ 1,800 PSI (125 bar). A positive displacement blower provides 500 CFM (14.2 cmm)-11" (280mm) Hg vacuum, with spoils containment provided by a 250 (950 L) gallon tank with power hydraulic dump (rear discharge) and latching rear door. Also driven from the common power train is a 2.5 gpm (9.5 LPM) @ 3000 PSI (210 bar) pressure washer system with 3 gallon (11.4 L) anti-freeze tank and 95 gallon (360 L) water tank. Includes 2-1/2" (63.5mm), 1-1/4" (31.75mm) & 7/8" (22mm) suction wands and one each short and long wash-down guns. The LX package bundles the service light bar with arrow board, 45' (14 M) auxiliary hydraulic hose reel for operation of hydraulic power tools & Bluetooth tethering module (installed in ERV-750) for wireless communication between the exerciser and Controller/Data Logger.

Already GPS enabled, however adding option 79-412-02 (Trimble R2 GNSS receiver) provides survey grade centimeter accuracy.

14	17-405-00	1	EA	21,995.00	1.5%	21,665.07
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TM-7 HD Plus (only for LX or Builder installs) Automated Valve Operator, Exercisor and Rehabilitator with Bluetooth Kit for VMS systems, featuring Wachs industry leading automation. Heavy Duty 2,500 ft. lb. torque system with dual hybrid control functionality. Operate either fully automatic with Controller/Datalogger (part #79-422-01/02/05/06 not included), or manually through direction control toggle, digital revolution counter and torque output guage (no Controller/Datalogger required). Mounting frame is indexable to VMS in 2-1/2" increments to adapt to different bed widths; shipping location is plum to skid frame (72" skid width) to 15" beyond (87" skid width). For wider truck decks the TM-7 needs to be mounted outside the VMS; if mounting in other than default location, longer hydraulic hoses may be required (not included). Kit includes TM-7 HD Plus, bluetooth adapter, 8' valve key, mounting hardware and interface plumbing. May require Ruggedized Controller/Datalogger (Part#79-422-01/02/05/06) if not already included in other options.

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**\*\*\* Mounted Valve Exercisers \*\*\***

\*\*\* Mounted Valve Exercisers \*\*\*

15	79-000-01	1	EA	18,245.00	1.5%	17,971.32
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Wachs ERV-750 (without Datalogger) Automated Valve Operator, Exercisor and Rehabilitator. Featuring Wachs Patented Automation. Extendable arm produces a full 750 Ft lbs (1020 Nm) of torque. The system utilizes a dual pivot point to locate over any valve box/Hydrant. Locking disc brake holds the full torque of the machine while operating, 3" (76.2 mm) square steel tube construction and mechanical lock system for travel. Includes operation manual. Requires Ruggedized ERV-750 Controller/Datalogger (Part#79-422-01/02).

Installation Note: Failure to use an ASE Certified E1-E3 technician or Factory Authorized Servicer (FAS) will void warranty.

16	11-408-00	1	EA	595.00	1.5%	586.07
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Telescopic Valve Key - 2" AWWA (Colder Climate). Manufactured from high-strength steel, adjustable from 4ft (1.22 M) to 9ft (2.74 M) with spring loaded pin to eliminate loss. Rated to 800 lb-ft (1,085 Nm) of torque for use with the Wachs P/2 and RS/2 valve operators and ERV 750. Weighs only 24 lbs (10.9 kg). Add the Tee Handle adapter (11-408-10) for manual functionality when machine is not in use.

17	11-409-00	1	EA	645.00	1.5%	635.32
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Telescopic Valve Key - 2" AWWA (Warmer Climate). Manufactured from high-strength steel, adjustable from 3 ft (.91 M) to 8ft (2.44 M) with spring loaded pin to eliminate loss. Rated to 800 lb-ft (1,085 Nm) of torque for use with the Wachs P/2 and RS/2 valve operators and ERV 750. Weighs only 24 lbs (10.9 kg). Add the Tee Handle adapter (11-408-10) for manual functionality when machine is not in use.

18	17-000-29	1	EA	23,995.00	1.5%	23,635.07
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Wachs Standard Duty (up to 1,500 ft. lb.) TM-7 Plus for installations with dedicated reservoir; Valve Operator, Exercisor and Rehabilitator with dual operability functionality (Plus) and Bluetooth. This robust machine can operate and salvage the most difficult valves in your system simply and safely with Wach's industry leading Automation Computer Control (Vitals), which leverages over 50 years of valve exercising knowledge and AWWA best practices to electronically control output torque, turning direction and counting; without the user having to know anything about the valve, or preprogram the controller. The Plus interface also allows the TM-7 to operate 100% manually, should the Controller/Datalogger not be available; adding a mode selector switch (manual or automated), direction control toggle, digital revolution counter and torque output gauge. Includes 10 gallon hydraulic reservoir with temp controlled heat exchanger, electrical interface for auxiliary hydraulic tool circuits (hydraulic interconnection manifold at rear of reservoir), operating/installation manual.

Does not include ruggedized TM-7 Controller/Datalogger (Part #79-422-01/02/03/05/06) or valve key (part number 07-406-08 8' key & 07-408-00 SD socket).

Installation Note: 6 GPM for normal operation @ 2,000 PSI and 12 VDC (25A for heat exchanger fan & 7.5A for machine control). Failure to use an ASE Certified E1-E3 technician or Factory Authorized Servicer (FAS) could void warranty.

19	17-000-34	1	EA	25,495.00	1.5%	25,112.57
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Wachs Heavy Duty (up to 2,500 ft. lb.) TM-7 Plus for installations with dedicated reservoir; Valve Operator, Exercisor and Rehabilitator with dual operability functionality (Plus) and Bluetooth. This robust machine can operate and salvage the most difficult valves in your system simply and safely with Wach's industry leading Automation Computer Control (Vitals), which leverages over 50 years of valve exercising knowledge and AWWA best practices to electronically control output torque, turning direction and counting; without the user having to know anything about the valve, or preprogram the controller. The Plus interface also allows the TM-7 to operate 100% manually, should the Controller/Datalogger not be available; adding a mode selector switch (manual or automated), direction control toggle, digital revolution counter and torque output gauge. Includes 10 gallon hydraulic reservoir with temp controlled heat exchanger, electrical interface for auxiliary hydraulic tool circuits (hydraulic interconnection manifold at rear of reservoir), operating/installation manual.

Does not include ruggedized TM-7 Controller/Datalogger (Part #79-422-01/02/03/05/06) or valve key (part number 07-406-08 8' key & 07-508-20 HD socket).

Installation Note: 8 GPM for normal operation @ 2,000 PSI and 12 VDC (25A for heat exchanger fan & 7.5A for machine control). Failure to use an ASE Certified E1-E3 technician or Factory Authorized Servicer (FAS) could void warranty.

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**\*\*\* Controllers/Dataloggers & GPS \*\*\***

\*\*\* Controllers/Dataloggers & GPS \*\*\*

20	79-422-05	1	EA	3,995.00	1.5%	3,935.07
<p>Wachs TC-100 (North America) ruggedized Controller/Datalogger to operate and collect data (including GPS) during the operation of ERV-750, TM7 and TM-6 machine (includes 7" WVGA, Win10, Quad-Core, IP68 rated tablet style PC, 12v vehicle charger kit, AC charging kit, machine control cable &amp; preloaded with Vitals Mobile software). Already GPS enabled, however adding Trimble R2 GNSS receiver (79-412-02) provides capability of submeter to centimeter level positioning accuracy (highest accuracy in real-time with the use of correction sources).</p>						

Note: If upgrading from an HC-100, each machine to be controlled will also need the cradle kit (79-202-01).

21	79-412-02	1	EA	9,245.00	1.5%	9,106.32
<p>Trimble R2 GNSS GPS Receiver provides up to Centimeter" accuracy, benefit from the support of multiple satellite constellations and select from a range of correction sources (from SBAS and VRS networks to Trimble RTX correction services delivered by satellite and Internet) for accurate data at almost any location. This unit is a stand alone GPS receiver which includes the NEMA output option (required when utilizing Vitals or other third party software) that pairs via Bluetooth wireless communication to the HC-100, Recon or other supported data collector. Also included are Ram Mount interfaces for the TM-7 &amp; ERV-750 valve machines.</p>						

Restocking Note: This is a non-stocked item because of the speed at which this technology changes, so restocking fees are applied if returned.

Non-Stock item, expect longer delivery

**\*\*\* Power Units \*\*\***

\*\*\* Power Units \*\*\*

22	79-405-00	1	EA	9,495.00	1.5%	9,352.57
<p>Wachs Utility 16 H.P. Gas Engine Driven HTMA Class II Skid: Briggs &amp; Stratton electric start V-Twin engine (12 kW) with hydraulic pump, capable of 8 GPM (30.3 LPM) @ 1,800 PSI (125 bar). 10 gallon (38 L) hydraulic oil reservoir A + B auxiliary power port and relief valve. Electric fan driven oil cooler. Designed for mobile installations where port A is hard plumbed to an open center device as port B operated the front panel quick disconnects.</p>						
23	14-000-18	1	EA	9,500.00	1.5%	9,357.50
<p>Wachs Model Utility 18 H.P. CE Compliant, Gas Engine Driven hydraulic Cart. Powered by an 18 HP (13.25 kW) Briggs &amp; Stratton V-Twin engine with electric start, it is designed to power both HTMA Class I &amp; Class II tools. A selector valve on the control panel sets the pump to deliver either 8 GPM (30 LPM) @ 2,000 PSI (140 bar) or 5 GPM (20 LPM) @ 2,000 PSI (140 bar). Ships without fuel, hydraulic oil, and battery. Estimated Shipping Weight &amp; Dimensions (343# - 42"x 37"x 23") w/o Accessories.</p>						
24	03-404-00	1	EA	1,300.00	1.5%	1,280.50
<p>45' X 1/2" Hydraulic Hose Set W/Quick Disconnects</p>						
25	79-405-02	1	EA	545.00	1.5%	536.82
<p>Hose Kit, HPU-750 to ERV-750 11-1/2 ft</p>						



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 turnvalves.com

# Quotation

Page 7 of 9

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**\*\*\* Trav-L-Vac 300 \*\*\***

\*\*\* Trav-L-Vac 300 \*\*\*

26	59-000-01	1	EA	22,495.00	1.5%	22,157.57
<p>Wachs Skid Mounted Gas Engine Driven Trav-L-Vac 300 designed specially for valve and buffalo box cleanout. Complete with Kohler 20 H.P. Gas Engine with Tach/Hour Meter, 345 CFM at 14" HG Heavy Duty Positive Displacement Blower with Discharge Silencer, 90 Gallon Spoils Tank with Manually Activated Dump Gate, Washable/Reusable 3 Stage Filtration System, Vacuum Relief Valve, High Liquid Level Shut Off Switch, 2-1/2" x 15' Flexible Suction Hose with Cam Lock Quick Disconnects, 2" X 6-1/2' Wand.</p>						
27	59-401-01	1	EA	4,245.00	1.5%	4,181.32
<p>Wachs Trav-L-Vac 300 2" Ball Trailer Kit. Complete with Tongue, 2" Ball Coupler, Swing Away Jack, Trailer Lights, Wiring Harness, Fenders, Axle, Independent Torsion Suspension, 14" Radial Tires, Dexter Mod Wheels, Chrome Center Caps and Chrome Lug Nuts. Some assembly required.</p>						
28	59-401-02	1	EA	4,245.00	1.5%	4,181.32
<p>Wachs Trav-L-Vac 300 Pintle Trailer Kit. Complete with Tongue, Pintle Hook Coupler, Swing Away Jack, Trailer Lights, Wiring Harness, Fenders, Axle, Independent Torsion Suspension, 14" Radial Tires, Dexter Mod Wheels, Chrome Center Caps and Chrome Lug Nuts. Some assembly required.</p>						
29	59-403-00	1	EA	645.00	1.5%	635.32
<p>Wachs Model Trav-L-Vac 300 Light Package adds a bright flashing yellow caution light.</p>						
30	59-407-00	1	EA	1,370.00	1.5%	1,349.45
<p>The Rear Mount Engine Control accessory for the Trav-L-Vac 300 puts the throttle, choke, key switch and tach/hour meter at the rear of the unit. This feature is extremely convenient on service box installations saving the operator from climbing inside the truck box to start and operate.</p>						

**\*\*\* Pipe Cutters \*\*\***

\*\*\* Pipe Cutters \*\*\*

31	29-000-08	1	EA	8,995.00	1.5%	8,860.07
<p>208 Diamond Wire Hydraulic Guillotine Package for 2"-8" pipe (9.6" maximum outside diameter). Includes (1) Cutting Wire, Storage Carrier &amp; Water Delivery System. This is the new form factor with colapsable arms, high pressure motor seal and advanced tensioning system for consistant wire performance.</p>						
32	29-000-16	1	EA	12,995.00	1.5%	12,800.07
<p>416 Diamond Wire Hydraulic Guillotine Package for 4"-16" pipe (18.2" maximum outside diameter). Includes (1) Cutting Wire, Storage Carrier &amp; Water Delivery System. This is the new form factor with collapsable arms, high pressure motor seal and advanced tensioning system for consistant wire performance.</p>						
33	14-402-00	1	EA	1,620.00	1.5%	1,595.70
<p>Hydraulic flow Adapter: The Wachs Hydraulic Flow Adapter Valve allows for smooth, quiet operation of any DW Guillotine powered from other hydraulic equipment on the jobsite such as a skid loader or backhoe. Use with high-capacity power supplies up to 20 GPM (76 lpm) and up to 3,000 psi (172.5 bar).</p>						

Note: 20 GPM rating is based on unrestricted tank return line; reducing or the use of quick disconnects reduces flow rating and risks damage to motor seal.

TO: **Melonie Perry**

 Date: 4/24/2023  
 Quotation Number: KR195526

Item Number	Description	Qty	U/M	Unit Price (USD)	Disc%	Line Total (USD)
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### \*\*\*Handheld Valve Exercisers\*\*\*

#### \*\*\*Handheld Valve Exercisers\*\*\*

34	11-000-02	1	EA	7,495.00	1.5%	7,382.57
Wachs High Torque 110 Volt Electric (no torque control) P2 Portable Reversible Valve Operator. 0 - 10 RPM with a max torque of 800 Ft/lbs, complete with 110 Volt Electric Drive, LCD Revolution Counter w/push button reset, Torque Arm Extension, Steel Storage Case and Manual. Est. Shipping Wt. /Dims (120# - 11"x 41"x 9") w/o Acc. (Add part #11-138-00 for U.K version).						
35	11-000-04	1	EA	8,745.00	1.5%	8,613.82
Wachs High Torque Hydraulic Handheld Valve Exerciser P2 Portable Reversible Valve Operator. 0 - 12 RPM with a max torque of 800 Ft/Lbs. complete with Hydraulic Drive, Gauge, LCD Revolution Counter, Torque Arm Extension, Steel Storage Case and Manual. Est. Shipping Wt. /Dims (120# - 11"x 41"x 9") w/o Acc.  Non-Stock item, price and delivery subject to change; consider standard item 11-000-12 (110V Vitals, Torque Controlled)						
36	11-000-07	1	EA	7,495.00	1.5%	7,382.57
Wachs Standard 110 Volt Electric (no torque control) P2 Portable Reversible Valve Operator, 0 - 20 RPM with a max torque of 500 Ft/lbs, complete with 110 Volt Electric Drive, LCD Revolution Counter w/push button reset, Torque Arm Extension, Steel Storage Case and Manual. Est. Shipping Wt. /Dims (120# - 11"x 41"x 9") w/o Acc. (Add part #11-138-00 plug for U.K version).						
37	11-000-09	1	EA	8,745.00	1.5%	8,613.82
Wachs Standard Hydraulic Handheld Valve Exerciser P2 Portable Reversible Valve Operator. 0 - 24 RPM with a max torque of 500 Ft/lbs, complete with Hydraulic Drive, Gauge, LCD Revolution Counter, Torque Arm Extension, Steel Storage Case and Manual. Est. Shipping Wt. /Dims (120# - 11"x 41"x 9") w/o Acc.  Non-Stock item, price and delivery subject to change; consider standard item 11-000-17 (110V Vitals, Torque Controlled)						
38	11-000-12	1	EA	9,495.00	1.5%	9,352.57
Wachs High Torque 110 Volt Electric (torque controlled) "VITALS™-Ready" Handheld Valve Exerciser. 0 - 10 RPM with a max torque of 800 Ft/Lbs. Complete with 110 V 60 Hz (U.S.) electric drive with electronic torque control, torque/revolution readout, push-button reset, over-torque indicator, and storage of rotation and torque data. Includes torque arm extension, steel storage case, and manual.( Does not included Data Logger).						
39	11-000-17	1	EA	9,495.00	1.5%	9,352.57
Wachs Standard 110 Volt Electric (torque controlled) "VITALS™-Ready" Handheld Valve Exerciser. 0 - 20 RPM with a Max torque of 500 Ft/Lbs. Complete with 110 V 60 Hz (U.S.) electric drive with electronic torque control, torque/revolution readout, push-button reset, over-torque indicator, and storage of rotation and torque data. Includes torque arm extension, steel storage case, and manual.( Does not included Data Logger).						

### \*\*\*Valve Nut Rx\*\*\*

#### \*\*\*Valve Nut Rx\*\*\*

40	08-000-15	1	EA	8,745.00	1.5%	8,613.82
Valve Nut Rx Kit - Includes 7' Nut Extracting Tool and 7' Installation Tool, Toolbox, (10) Stainless Steel Emergency Nuts, (1) each sizes 1-10 with Template. (1) Professional Battery Operated Drill to operate drill and tap kit included, (1) Set of extracting sockets, (1) Set of Deep Well 6 Piece Sockets with sleeves, (1) Chaser Kit - 3/4", 5/8", 1/2", 9/16", 3lb. Sledge Hammer with Soft Sledge, Allen Wrench Set, Grease Tube, (1) Each 1/4" and 11/32" Drill Bits. Kit also to includes 6" File, Flashlight, Adjustable Magnet, Roll of Fixing Tape and all necessary hardware to reinstall operating nuts.						
41	08-404-00	1	EA	1,620.00	1.5%	1,595.70
Extension Kit for Valve Nut Rx to convert a 7' kit to 11' capability, includes all necessary components to convert kit.						





600 Knightsbridge Parkway, Lincolnshire, Illinois 60069  
(847) 537-8800 | Fax (847) 520-1147  
turnvalves.com

# Quotation

Page 9 of 9

TO: **Melonie Perry**

Date: 4/24/2023  
Quotation Number: KR195526

Item Number	Description	Qty	U/M	Unit Price (USD)	Disc%	Line Total (USD)
42 08-403-00		1	EA	995.00	1.5%	980.07

Stainless 2" AWWA Nut Set - Standard with Flange - Includes (10) Operating Nuts - (1) Each 1-10 Standard with Plastic Gauge Plate to size operating nuts. Items installed on Lower Gauge Plate in Specialized Tool Box.

We will prepay and add shipping charges to your order, or we can ship collect via your choice of carrier service. If you have any questions please feel free to call Jeff Swiatowy at 815-943-4785 or call me at 847-484-2773.

If you are tax exempt, please supply your identification number and certificate with your order. If your exempt number is not on file, tax will be added to your invoice.

Please reference this quote number when placing your order. Thank you.

Ken Redding  
Technical Service Rep  
847-484-2773  
ken.redding@ehwachs.com

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