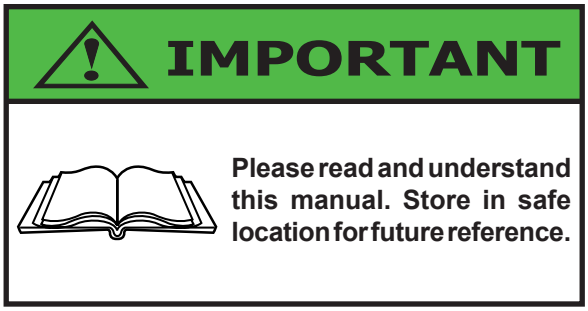
Presoak & Tire/Engine Cleaner Systems (Air Pump)

DUTC_A & DUPS_A



Owner's Manual #0795	
Customer Number:	**Serial Number:**
Model Number:	**Installation Date:**



Everyone who operates this unit should understand basic operations and safety precautions! The time you take to fully understand the proper installation, maintenance and use of the machine will prolong its service life, and assure you of trouble free operation.

When unpacking, check to make sure all the parts shown on the Parts Breakdown near the end of this manual are included. If any parts are missing or broken, please call Dultmeier Sales as soon as possible.

Consumers should notice that this manual may differ slightly from the actual product as more improvements are made to our products. Some of the pictures in this manual may differ slightly from the actual product as well. Dultmeier Sales reserves the right to update designs and / or change the specifications at any time without incurring any obligation to install them on units previously sold.

If you have any questions or suggestions about this manual, please contact us at:

800-228-9666
dultmeier@dultmeier.com
www.dultmeier.com

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To avoid serious or fatal personal injury or major property damage, read and follow all safety and operation instructions in the manual.

This is a **Safety Alert Symbol** -
When you see this symbol in the manual, look for the following signal words & be alert to the potential for personal injury or property damage.

DANGER Warns of potential hazards that **WILL** cause serious personal injury, death or property damage.

WARNING Warns of potential hazards that **CAN** cause serious personal injury, death or property damage.

CAUTION Warns of potential hazards that **WILL** or **CAN** cause minor personal injury, death or property damage.

IMPORTANT Indicates special instructions that **MUST** be followed but not related to hazards.

This manual is intended to assist in the installation and operation of this unit.
Do not attempt to operate this unit without reading and understanding this manual.

General Safety

To avoid the risk of serious bodily injury and property damage, read safety instructions carefully before installing this system. Follow all local and/or national plumbing and electrical codes when installing.

IMPORTANT

Do Not Allow System or Components to Freeze.
To do so may damage the system and will void the warranty.

WARNING

Never Run the System Dry.
Running the unit dry (without fluid) can damage internal parts, overheat pump (which can cause burns to people handling or servicing the pump), and will void the warranty.

WARNING



Hazardous voltage can shock, burn or cause death.

Risk of Electric Shock.
Keep the unit dry at all times -
Do not wash the motor or electrical panel or allow the unit to sit in standing water.

Use only Ground Fault Circuit Interrupter (GFCI) protected grounded outlet for the cord plug.
If you must use an extension cord, use only UL approved indoor/outdoor, 3-wire, grounding type cords. The cord must be rated to support amp draw. Do not allow any part of cord or receptacle ends to sit in water.

To avoid fatal shocks, proceed as follows if service is needed:

A. Turn off water to the system.
B. Disconnect the power at main electrical service before unplugging the unit.
C. Ground the electrical outlet box.
D. Take extreme care when changing fuses.



Do not run the unit with discharge shut off, as hose may burst or damage may occur.

Setup Instructions

1. Mount Board on wall.

2. Mount Hydrominder valve on tank. Tank lid is already fitted for mounting. Read enclosed Hydrominder information. Connect soft water supply line to Hydrominder with ball valve in line so tank and Hydrominder can be serviced. Determine which orifice will be used for metering. Presoak chemical will have metering information on the label. Final mixture will require experimentation.

3. Run air supply line to air inlet on board.

4. Connect pump suction hose (provided) to inlet of pump. Suction hose must have foot valve assembly with strainer and weight. Drop hose into bottom of tank. Fill tank to 2/3 capacity. Level is set by changing weight of chain for float ball.

5. Manifolds (provided) should be plumbed on discharge of pump station after the balanced relief valve. High pressure check valve in manifold prevents main pump station pressure from backing up into presoak/tire cleaner system. Low pressure tubing is provided to run from discharge of chemical solenoids on board to manifold on pump station using speed fittings.

6. Run 2 wire 18 gauge cable from board to main panel for each bay. Terminal block in panel has position of common and presoak/tire cleaner solenoid.

7. Open air line to board. Pump should prime and stop running. This pump is demand style and will pump when any one of the chemical solenoids is activated. System is set and tested but may require some adjustment. Pump pressure is set by regulating incoming air pressure. Maximum allowed for pump is 80 PSI. Recommended running pressure is 60 PSI. Each chemical solenoid has a metering screw.

8. Turn rotary switch in first bay to Presoak (or Tire/Engine Cleaner) position. Insure that pump is running and desired pressure and chemical constitency appears in bay. Repeat in each bay.

Feel free to call if you have any questions on installation or operation of this system.
Car Wash Technical Sales and Service can be reached by calling 1-800-228-9666 & selecting option #3.

Parts Breakdown: DUTC_A



Item	Part Number	Description
1	PAP31EA92EGM	Air Filter/Regulator with Gauge
2	FJ5100-040	Flojet Air Diaphragm Pump
3	AA7450	High Pressure Check Valve (on In-Bay Manifold)
4	GC9-211-21	Rebuild Kit; tube, plunger, spring, tube o-ring
4	GCS091.1150	Replacement Plunger w/ Spring
4	GCC987	Replacement Coil, 24 VAC
	FCUP44-100N	1/4’ Run Tubing
	HR506	Hydrominder
	HR102	Foot Valve
	HR113	Ceramic Weight
	HR6655K	*Hydrominder Repair Kit*

Notice Regarding Manufacturer's Limited Warranty

Dultmeier Sales Limited Liability Company (hereinafter Dultmeier), notifies you that component part(s) carry a manufacturer's limited warranty provided by the manufacturer of said component part(s). These warranties do not pertain to normal wear of component part(s) that may occur within any specified period. While Dultmeier is not the manufacturer of any of the component part(s), Dultmeier will assist you in processing any and all manufacturer's warranty claim if applicable and available. Any and all manufacturer's claims must be submitted in writing to the manufacturer within the warranty periods provided by the manufacturer.

Defective component part(s) that are to be considered for manufacturer's limited warranty must be returned to the manufacturer by prepaid shipment with the applicable manufacturer's limited warranty period. If the component part(s) are deemed to be defective under the manufacturer's warranty, Dultmeier will assist in obtaining a replacement or repair of the component part(s). Said component part(s) will be returned F.O.B. Omaha, Nebraska. Replacement or repair shall be the exclusive remedy for any breach of warranty. Labor for installation, either with respect to original or replacement part or components, is not covered under the manufacturer's limited warranty.

Neither the manufacturer nor Dultmeier warrants loss of income or consequential damages for injury or commercial loss resulting from any breach of warranty or warranties stated above.

The manufacturer's limited warranty as stated does not apply to component part(s) which have been improperly installed, misused, altered, neglected, abused or not installed, adjusted, maintained, or used in accordance with applicable codes and ordinances and in accordance with the manufacturer's specifications as to such factors.

Notwithstanding Dultmeier's willingness to assist in the processing of the manufacturer's limited warranty, Dultmeier makes no warranty against infringement of the like, makes no warranty of merchantability, makes no warranty of fitness for a particular purpose, and makes no other warranty, express or implied, including implied warranty arising from the course of dealing or usage of trade.

Compliance with all local, state and federal codes regarding the installation and operation of said equipment, parts and components shall be the responsibility of the purchaser. The rights and obligations of the parties shall be governed by the laws of the State of Nebraska.

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